

NCUR

UNIVERSITY OF CENTRAL OKLAHOMA

NATIONAL
CONFERENCE ON
UNDERGRADUATE
RESEARCH

April 4-7
2018



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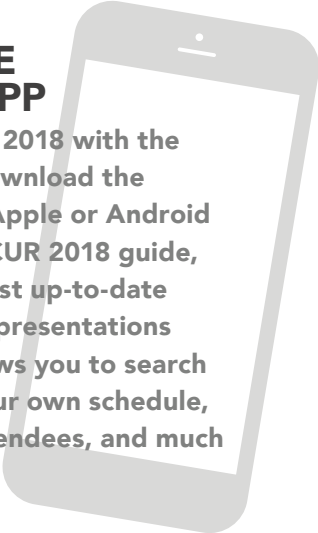
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DOWNLOAD THE CONFERENCE APP

Stay up to date at NCUR 2018 with the Guidebook app. First, download the Guidebook app to your Apple or Android device. Then, find the NCUR 2018 guide, and you will have the most up-to-date schedule for conference presentations and events. The app allows you to search presentations, create your own schedule, chat with conference attendees, and much more.



SCHEDULE

WEDNESDAY, APRIL 4, 2018

10 a.m. – 6:30 p.m.

REGISTRATION

2nd Floor in front of Legends, Nigh University Center

1 – 7 p.m.

PRE-CONFERENCE WORKSHOPS (CONCURRENT)

Forensic Science, American Indian Studies, Business Energy Sector, Early Childhood Education through an International Lens, and Interdisciplinary Arts

THURSDAY, APRIL 5, 2018

7 a.m. – 5 p.m.

REGISTRATION

Food Court, Nigh University Center

7 – 9 a.m.

BREAKFAST

- Ballrooms, Nigh University Center
- Buddy's Cafeteria

8:45 – 10:30 a.m.

WELCOME AND OPENING CEREMONY

Plenary Speaker – Hamilton Field House

- Claudia San Pedro, President, SONIC®, America's Drive-In®
- Ramu Damodaran, Deputy Director for Partnerships and Public Engagement, United Nations Department of Public Information Outreach Division and Chief of the Academic Impact Initiative, United Nations

10:45 a.m. – 5 p.m.

PROFESSIONAL PREPARATION FAIR

Wellness Center

10:45 – 11:45 a.m.

SESSION 1: ORAL/PERFORMING ARTS/ POSTER

Various Locations

11:30 a.m. – 2 p.m.

LUNCH

- Ballrooms – Nigh University Center
- Buddy's Cafeteria
- Food Tent – Wellness Center

Noon – 12:50 p.m.

FACULTY AND ADMINISTRATOR NETWORK (FAN)

SESSION 1

Old North

1 – 2 p.m.

SESSION 2: ORAL/PERFORMING ARTS/ POSTER

Various Locations

1 – 1:50 p.m.

SPECIAL INTEREST SESSIONS

Classrooms

2 – 2:50 p.m.

SPECIAL INTEREST SESSIONS

Classrooms

2:20 – 3:20 p.m.

SESSION 3: ORAL/PERFORMING ARTS/ POSTER

Various Locations

3 – 6 p.m.

FUN @ PLUNKETT PARK (SNACKS PROVIDED)

3:40 – 4:40 p.m.

SESSION 4: ORAL/PERFORMING ARTS/ POSTER

Various Locations

SCHEDULE

4 – 6 p.m.

GALLERY EXHIBITION OPENING, VISUAL ART

Melton Gallery

4 – 6 p.m.

TOUR OF CAMPUS FACILITIES AND LABS

FRIDAY, APRIL 6, 2018

7 a.m. – 5 p.m.

REGISTRATION

2nd Floor in front of Legends, Nigh University Center

7 – 9 a.m.

BREAKFAST

- Ballrooms, Nigh University Center
- Buddy's Cafeteria
- Food Tent – Wellness Center

7:40 – 8:30 a.m.

FACULTY AND ADMINISTRATOR NETWORK (FAN)

SESSION 2

Old North

8:30 a.m. – 5 p.m.

GALLERY EXHIBITION, VISUAL ART

Melton Gallery

8:30 – 9:30 a.m.

SESSION 5: ORAL/VISUAL/PERFORMING ARTS/POSTER

Various Locations

8:30 a.m. – 5 p.m.

PROFESSIONAL PREPARATION FAIR

Wellness Center

9:45 – 10:45 a.m.

SESSION 6: ORAL/VISUAL/PERFORMING ARTS/POSTER

Various Locations

11 a.m. – 12:15 p.m.

PLENARY SPEAKER 2

Hamilton Field House

Kareem Abdul-Jabbar, retired professional basketball player, author and chairman, Skyhook Foundation

11:45 a.m. – 2 p.m.

LUNCH

- Ballrooms – Nigh University Center
- Buddy's Cafeteria
- Food Tent – Wellness Center

12:30 – 1:20 p.m.

FACULTY AND ADMINISTRATOR NETWORK (FAN)

SESSION 3

Old North

1 – 1:50 p.m.

SPECIAL INTEREST SESSIONS

Classrooms

1:30 – 4:30 p.m.

FUN @ PLUNKETT PARK

1:30 – 2:30 p.m.

SESSION 7: ORAL/VISUAL/PERFORMING ARTS/POSTER

Various Locations

2 – 2:50 p.m.

SPECIAL INTEREST SESSIONS

Classrooms

SCHEDULE

2:45 – 3:45 p.m.

SESSION 8: ORAL/VISUAL/PERFORMING ARTS/POSTER

Various Locations

3 – 3:50 p.m.

HOSTING A FUTURE NCUR EVENT

Room 111, Forensic Science Institute

4 – 5 p.m.

SESSION 9: ORAL/VISUAL/PERFORMING ARTS/POSTER

Various Locations

4 – 5 p.m.

CUR RECEPTION AND NCUR TRANSITION TO 2019 SIGNING CEREMONY/ RECEPTION

Forensic Science Institute

4:45 – 6 p.m.

SHUTTLES TO METRO MUSIC FESTIVAL

5:30 p.m. – 11 p.m.

METRO MUSIC FEST

Bricktown District, Oklahoma City

SATURDAY, APRIL 7, 2018

7 – 9 a.m.

REGISTRATION

2nd Floor in front of Legends, Nigh University Center

7 – 9 a.m.

BREAKFAST

- *Ballrooms, Nigh University Center*
- *Buddy's Cafeteria*

7 a.m. – 1 p.m.

LUGGAGE DROP-OFF/STORAGE

Cherokee Room, Room 213, Nigh University Center

7:40 – 8:30 a.m.

FACULTY AND ADMINISTRATOR NETWORK (FAN)

SESSION 4

Old North

8:30 – 9:30 a.m.

SESSION 10: ORAL/VISUAL/PERFORMING ARTS/POSTER

Various Locations

9:45 – 10:45 a.m.

SESSION 11: ORAL/VISUAL/PERFORMING ARTS/POSTER

Various Locations

11 a.m. – Noon

PLENARY SPEAKER 3

Hamilton Field House

TBD

Noon – 1 p.m.

LUNCH

2nd Floor in front of Legends

12:30 – 7 p.m.

SATURDAY AFTERNOON EXCURSIONS

WELCOME

WELCOME FROM THE UNIVERSITY OF CENTRAL OKLAHOMA

We are delighted to welcome you to the 2018 National Conference on Undergraduate Research at the University of Central Oklahoma. UCO is Oklahoma's Metropolitan University serving the citizens and the enterprises of the vibrant Oklahoma City Metro. We are an avid, collaborative partner in creating OKC's future.

Undergraduate research is a valued priority here and one of the Central Six Tenets which comprise our institutional and personal commitment to Transformative Learning. UCO was one of the founding universities for Oklahoma Research Day 20 years ago, which annually celebrates the accomplishments of students from across the state.

We are pleased to welcome the thousands of students, faculty mentors and administrators from throughout America and beyond to our campus, Edmond and OKC. We embrace the value of scholarly research across the broad spectrum of disciplines that define a university.

A key ingredient in this institutional priority is the relationships connecting our faculty to our students. The results continue to be encouraging and are helping us redefine the parameters of higher education.

UCO began as the original Territorial Normal School of Oklahoma 17 years prior to statehood. From that first class of 23 and our initial five graduates in the 1890s, UCO now serves the aspirations of 16,000 students by connecting with them to realize success and embrace opportunity. Here at Central, we strive to create a culture of learning, leading and serving.

Our university faculty, staff and students have been diligently preparing for your arrival. We look forward to meeting you at one of the pre-conference events, at our guest presenters' plenary sessions, and when you are presenting the results of your research, scholarly and creative efforts.

I encourage you to explore the numerous attractions in the metro, spend time in Bricktown and enjoy the Metro Music Fest produced by the Academy of Contemporary Music at UCO. OKC's Boathouse/ Whitewater Rafting District is a one-of-a-kind attraction and the eclectic food scene offers a wide variety of local and global cuisines.

I applaud your success in participating in NCUR 2018. Your institutions and mentors believe in you and your capacities to harvest valuable experiences during your time here at NCUR, UCO and in Oklahoma.

I hope you leave here invigorated in your passion for learning and connected to new friends and ideas.

We at the University of Central Oklahoma look forward to your return and to fresh possibilities for collaboration.

Don Betz
President
University of Central Oklahoma



WELCOME

WELCOME FROM THE UNIVERSITY OF CENTRAL OKLAHOMA

On behalf of the University of Central Oklahoma, it is our pleasure to welcome you to the 2018 National Conference on Undergraduate Research!

We are honored to co-host this annual event, now in its 32nd year, with the Council on Undergraduate Research: the world's largest undergraduate research conference.

The theme of this year's conference, "Connection to Place", is particularly meaningful in our state. Our dynamic state history has roots in the cultures of many people and a diverse geography of ancient mountains, rolling plains and desert mesas. We hope, through exploring the history and culture of Oklahoma, you will be inspired to examine your own connections to place and find meaning in the richness of the place you will explore with us April 4-7.

To enhance your experience, we have planned several excursions on Saturday, April 7, to some of our most well-known places of interest. Each of the excursions tells a particular story of the people of Oklahoma. The Chickasaw Cultural Center, for example, gives insight into the individuals and families who persevered amidst hardships, such as the Trail of Tears, held onto sacred customs and grew into the thriving community it is today. The Oklahoma City National Memorial and Museum marks a moment in our history when our sense of security was challenged and the strength of community was unmistakable in the aftermath of the Alfred P. Murrah Federal Building bombing. In addition, the Oklahoma City Museum of Art in the Arts District and RIVERSPORT Adventures in the Boathouse District, along the Oklahoma River, highlight the energy and vibrancy of Oklahomans in the 21st century. It is our hope you will take this time to ponder the ways a place reflects the people who call it home.

We congratulate you for being invited to present your research at NCUR 2018. We hope that you enjoy the conference, meet new friends and potential life-long colleagues and enjoy the local community and culture that Edmond, Oklahoma City and the state of Oklahoma have to offer. We welcome you to our campus. No matter where you call home, we hope you will leave Oklahoma with a deeper connection to this place we call our home.

John F. Barthell, Ph.D.
Provost and Vice President for Academic Affairs
University of Central Oklahoma



WELCOME

WELCOME FROM THE CUR EXECUTIVE OFFICER

Greetings,

The Council on Undergraduate Research (CUR) is pleased and honored to congratulate the more than 4,000 undergraduate researchers, faculty mentors and other supporters of undergraduate research achievement who are participating in the 32nd National Conference on Undergraduate Research (NCUR). Hosted by the University of Central Oklahoma, supported strongly by Oklahoma's higher education and business sectors, and featuring exciting pre-conference sessions, the 32nd NCUR promises to be an exuberant celebration of scholarship in its varied expressions. As an NCUR 2018 participant, you are part of a long cherished tradition, one that annually celebrates and commemorates outstanding research, scholarship and creative inquiry undertaken by undergraduate students and their faculty mentors.

"Connection to Place" is the resonant title for this year's NCUR, and it also speaks to CUR's engagement as the voice of undergraduate research for diverse institutions that apply their undergraduate research programs to serve communities and regions. CUR serves its members by providing valued services and programs to more than 13,000 individual members at close to 1,000 affiliated colleges, universities and associations. If you are not yet familiar with all that CUR has to offer, we invite you to learn more about our organization. We particularly encourage all undergraduate students interested in progressing to graduate study to sign up for CUR's registry on our website at www.cur.org.

As attendees have found with past conferences, I predict that NCUR 2018 will be an incredibly powerful, moving and highly memorable experience for all participants. It is with sincere gratitude that CUR thanks University of Central Oklahoma and the greater Oklahoma education and business community for hosting this year's conference and for rolling out a warm and inclusive welcome to all involved.

Elizabeth Ambos
CUR Executive Officer
Washington, D.C.



WELCOME FROM THE CUR PRESIDENT

Welcome to the National Conference on Undergraduate Research. The University of Central Oklahoma has done an incredible job preparing for NCUR with an all-star lineup of plenary speakers, the Professional Preparation Fair and the addition of pre-conference workshops. I would like to congratulate all of the students selected to present at NCUR and thank their mentors for the support and guidance they have provided. NCUR is unlike any other conference I have attended, as you have the opportunity to experience research, scholarship, and creative activities from all disciplines, to network with students and faculty from institutions across the country and world, and to explore unique community-based activities and venues. I encourage all attendees to make the most of this opportunity by attending a diversity of sessions, both within and outside of your field, gaining new perspective on the meaning of mentorship from our plenary speakers, and exploring Edmond, Oklahoma City and the Metro Music Festival.



I would like to thank the teams at University of Central Oklahoma, Council on Undergraduate Research National Office and the CUR-NCUR Oversight Committee for all of their work on the conference.

Have a great time at UCO, Edmond and the surrounding area!

Anne Boettcher
President, Council on Undergraduate Research
Director, Undergraduate Research Institute and Honors Program
Embry-Riddle Aeronautical University, Prescott, Arizona

WELCOME FROM THE NCUR OVERSIGHT COMMITTEE

Greetings NCUR 2018 Participants,

On behalf of the NCUR Oversight Committee, it is with great excitement that I welcome you to Central Oklahoma and to the 32nd Annual National Conference on Undergraduate Research. Researchers, artists, performers—we come together to celebrate your intellectual work with pride in what you have accomplished and high expectations for what you will go on to do with the skills you have gained.

By coming to share what you have learned and created, you take on a new role in the community of scholars—a community that is nurtured by many institutions but is not bound by any individual institutional walls, one that is eager to welcome you to what we hope is a lifetime of engagement in your field in many ways. We hope your presentation at this conference represents a first step in a long career of finding joy in intellectual discovery and sharing your discoveries with the rest of us. Consider sharing your work even further by publishing in the NCUR 2018 Proceedings.

We thank your home institutions for nurturing and supporting you, and we thank the University of Central Oklahoma for hosting us all. Over the next three days, may you find renewed excitement for your own work, admiration for and connection to discoveries across many disciplines as you attend your peers' presentations, and an even greater enthusiasm for the world of intellectual scholarship to carry forward with you.

Sarah Johnson
Chair, NCUR Oversight Committee
Associate Professor of Psychology and Neuroscience, Moravian College
Bethlehem, Pennsylvania

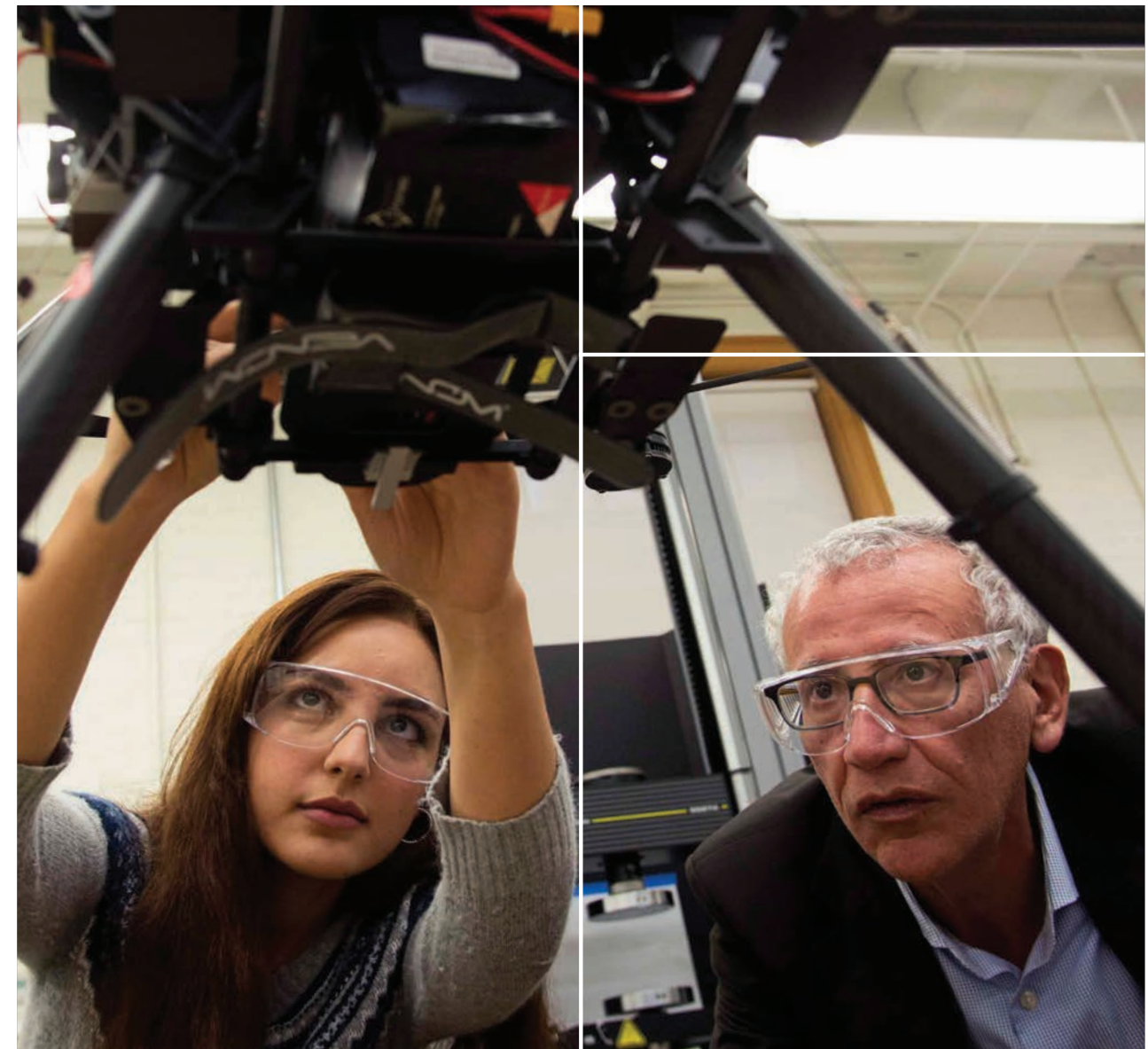




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During the past 26 years, the Roundtable has supported hundreds of state, national and global business promotion activities – resulting in thousands of jobs and millions of dollars in corporate investment throughout Oklahoma. Our members are committed to the growth and diversification of our state's economy.

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The Oklahoma State Regents for Higher Education and our public colleges and universities, in collaboration with OneNet and Oklahoma EPSCoR, engage in groundbreaking research in a wide variety of disciplines. This important work is made possible through partnerships with entities across Oklahoma and the nation. Our 25 state system colleges and universities are projected to bring more than \$650 million in sponsored and federal funding into our state in FY 2018.

We thank our state and federal partners for their support of research in Oklahoma public higher education, including:

- GEAR UP
- Great Plains Network
- Internet2
- NASA
- National Institutes of Health
- National Science Foundation
- National Weather Center
- Oklahoma Department of Wildlife and Conservation
- Oklahoma Geological Survey
- Oklahoma Medical Research Foundation
- Pacific Wave International Exchange
- Tandy Supercomputing Center
- The National Telecommunications and Information Administration
- The Quilt
- U.S. Department of Agriculture
- U.S. Department of Homeland Security



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THE COUNCIL ON UNDERGRADUATE RESEARCH

WHAT IS CUR?

Founded in 1978, the Council on Undergraduate Research (CUR) is a national 501(c) (3) nonprofit educational organization that supports and promotes high-quality research, scholarship and creative inquiry of undergraduate-faculty teams. CUR's more than 13,000 individual and institutional members represent more than 900 higher education institutions and affiliated organizations from around the world.

CUR believes that all faculty members enhance their teaching and contribution to society by remaining active in research and by involving students in these activities. CUR's leadership works with agencies and foundations to enhance research opportunities for faculty and students.

WHAT IS UNDERGRADUATE RESEARCH?

CUR defines undergraduate research as an inquiry or investigation conducted by an undergraduate student that makes an original intellectual or creative contribution to the discipline.

WHAT SERVICES DOES CUR PROVIDE?

Among other activities, the organization:

- Supports faculty and administrator development through expert-designed institutes and conferences.
- Publishes a peer-reviewed journal and books, as well as provides community platforms, social media postings, and other resources related to mentoring undergraduate researchers and creating, managing, and evaluating undergraduate research programs.
- Assists administrators and faculty members in improving and assessing the research and undergraduate education environments at their institutions.
- Hosts annual conferences showcasing the work of undergraduate researchers such as the National Conference on Undergraduate Research, which involves more than 4,000 students and their faculty mentors from the United States and other countries, and the Posters on the Hill event, which is hosted on Capitol Hill in Washington, D.C.
- Provides information on the importance of undergraduate research to state legislatures, private foundations, government agencies and the U.S. Congress.
- Fosters diversity and inclusion in undergraduate research through a variety of initiatives, including international collaborations.

CUR's 13 divisions encompass arts and humanities, biology, chemistry, education, engineering, geosciences, health sciences, mathematics and computer science, physics and astronomy, psychology, and social science, as well as include divisions serving administrators and other disciplines, and directors of undergraduate research programs. Members of CUR's divisions elect the CUR Council. CUR Councilors assist in the design and implementation of initiatives to achieve the organization's goals. They also elect the Executive Board, CUR's governing body.

The Executive Board, in turn, chooses an executive officer who manages the national office. CUR's principal support comes from its dues-paying individual and institutional members. CUR accepts grants, contracts, and contributions, as well as provides conferences and other services for fees.

CONTACT CUR

Council on Undergraduate Research
734 15th Street NW, Suite 850, Washington, DC 20005
Tel: 202-783-4810 | Fax: 202-783-4811 | www.cur.org | cur@cur.org



CONFERENCE PROCEEDINGS

One benefit of presenting at NCUR is the opportunity for students to publish their work in the conference proceedings, produced annually by the University of North Carolina at Asheville and distributed to institutions across the nation. All student presenters at the conference (including students in the performing/visual arts) are invited to submit manuscripts for review by the Proceedings board.

Submitting work to the Proceedings has many advantages, two of which are deemed especially important:

- The opportunity to receive comments from faculty outside your college or university, thereby enhancing the paper for submission to other sources in your field.
- The opportunity to list your publication on your resume for graduate and professional school applications.

The Proceedings are published annually as a service of UNC Asheville, and the included papers are representative of the research presented at the conference. Publication release date for 2018 is November 30, 2018.

Published papers from 2012, 2013 and 2014 can be viewed at www.ncurproceedings.org.

PAPER SUBMISSION DATES AND FEE SCHEDULE

Electronic Paper submission: January 14, 2018 – June 15, 2018

NO papers will be accepted after June 15, 2018.

There are no fees for processing your paper.

SUBMISSION GUIDELINES

Send an email with your intent to submit a paper to ncureditorialstaff@unca.edu and you will receive a username and pin with instructions on how to upload your paper to the www.ncurproceedings.org site. Your username and pin will be different from the abstract username and pin submission.

CONTACT

NCUR Proceedings
ncureditorialstaff@unca.edu
University of North Carolina Asheville

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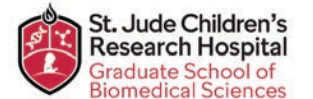
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University of Central Oklahoma Foundation

University of Central Oklahoma Max Chambers Library

Delta Dental of Oklahoma

ACKNOWLEDGEMENTS

The University of Central Oklahoma extends its deep appreciation to the numerous UCO students, faculty, staff and members of the Edmond/Oklahoma City community, who contributed their time and effort by serving on 22 planning committees to ensure a successful conference.

NCUR 2018 PLANNING COMMITTEES

NCUR 2018 EXECUTIVE COMMITTEE

- Don Betz
- John Barthell
- Myron Pope
- Charlotte Simmons
- Nancy Busby
- Beverly Prosser
- Karen Youngblood
- Rick Vega
- Gregory Wilson, Co-chair
- Michael Springer, Co-chair

ABSTRACT REVIEW

Sean Laverty, Chair

- Pam McDown, Past Chair
- Caroline Bentley
- Brandon Burr
- Lilian Chooback
- Jicheng Fu
- Michelle Haynie
- Tina Kambour
- Caleb Lack
- Lalit Manral
- Teresa Moinette
- Teresa Pac
- Melissa Powers
- Jessica Sheetz-Nguyen
- Nicole Warehime
- Gang Xu

ACCOMMODATIONS

Rick Vega, Chair

- Jennifer Alexander
- Chris Barton

- Jay Templeman
- Georgia Fiering (Co-chair, Welcome Team)
- Christina Appiah
- Leigha Pemberton
- Karen Youngblood (Co-chair, Hotels)
- Oklahoma City Convention & Visitors Bureau
- Edmond Convention & Visitors Bureau

BUDGET AND FINANCE

Patti Neuhold, Chair

- Lisa Kern

CAMPUS ENGAGEMENT

Cole Stanley, Chair

- Donna Cobb
- Evan Lemley
- Robert Mather
- Michael Springer
- Greg White
- Therese Williams

COMMUNICATIONS AND INFORMATION

Dana Jackson-Hardwick, Chair

- Craig Beuchaw (Team Lead-Conference Signage, Graphic Design and Brochures)
- Zachary Dumas
- Stephanie Edwards (Team Lead-Situation Room)
- Vickie Garlitz (Team Lead-Conference Website)
- Blair Goforth (Team Lead-Conference Phone and Email)
- Amy Johnson
- Jean Longo (Team Lead-Conference Swag)

ACKNOWLEDGEMENTS

- Adrienne Nobles (Team Lead-Conference Media and Press Releases)
- Kaitlyn Palone
- Michele Ramsdell (Team Lead-Information Tents)
- Shay Rahm (Team Lead-Information Tents)
- Manoshi Samaraweera
- Dan Smith (Team Lead-Conference Photography)
- Rachel Waldrop Holzhauser (Team Lead-Conference Phone and Email)

CONFERENCE VOLUNTEERS

Sharra Hynes, Chair

- Amanda Keese
- Katherine Koch
- Brandon Lehman
- Jacob Tidwell
- Katrina Shaklee
- Mark Walvoord

DIVERSITY AND INCLUSION

Adrienne Martinez, Chair

- Mary Carver
- MeShawn Conley
- Kama King
- Barry Lofton
- David Macey
- Luis Montes
- Timothy Petete

FACILITIES

Fred Fieth, Chair

- Adam Johnson
- Josh Overocker
- Charlotte Simmons
- Sonya Watkins

FINAL REPORT

Liliana Renteria, Chair

- Taylor Baird
- Lauren Bieri
- Cindy Boling

- Dana Jackson-Hardwick
- Shay Rahm
- Sue Ryan

EXCURSIONS/SOCIAL EVENTS

Karen Youngblood, Chair

- factor 110 | Destination Oklahoma (Excursions)
- Scott Booker (Metro Music Festival)

NOC MEETINGS AND DINNER RECEPTION

Beverly Prosser, Nancy Busby, Chairs

- Anne Holzberlein
- Andrea McCoy
- Karen Youngblood

ON-SITE LOGISTICS

Kathy Gradnigo, Beth Kerr, Chairs

- Erika Cerda
- Cheryl Duke
- Eric Hemphill (Lead, Sustainability)
- Ryan Kolb
- Mike Liskey
- Julio Mata (Lead, Technology)
- Brad Morelli
- Sharla Weathers (Lead, ADA Compliance)
- Jody Wilham

PLENARY SPEAKERS AND PRESENTATIONS

Jay Corwin, Chair

- Don Betz
- John Barthell
- Nancy Busby
- Anne Holzbeierlein
- Sandi Stewart

PRE-CONFERENCE WORKSHOPS

Jeanetta Sims, Chair

- James Creecy (Team Lead-Forensic Sciences)

ACKNOWLEDGEMENTS

- Tina Kambour (Team Lead-Interdisciplinary Arts)
- David Macey (Co-Team Lead-American Indian Studies)
- Timothy Petete (Co-Team Lead-American Indian Studies)
- Janette Wetsel (Team Lead-Early Childhood Education, International Lens)
- Zhen Zhu (Team Lead-Business Energy Sector)

PRESENTATIONS

Charleen Weidell, Tracey Romano, Chairs

- Kelly Ross
- Johnny Watley

PROGRAM

Adrienne Nobles, Chair

- Craig Beuchaw
- Amy Johnson
- Sarah Neese

PUBLIC RELATIONS AND MARKETING

John Barthell, Chair

- Deborah Baucom
- Amy Bowman
- Jay Corwin
- Anne Holzberlein
- Brenda Knott
- Lea Morgan
- Tara Simmons
- Michael Springer
- Vicki Weaver Payne
- Gregory Wilson

REGISTRATION

Dawna Terrell, Chair

- Scott DeBoard
- Mary Deter-Billings
- Georgia Fiering
- Andrea McCoy
- Jessie West

PUBLIC SAFETY AND MANAGEMENT

Norman Nieves, Chair

- Julius Adkins
- Jeff Boyland
- Dean Findley
- Jeff Harp
- Patrick Harrel
- Robin Lacy
- Brent Miller

SPECIAL ACTIVITIES

Kay Robinson, Chair

- Brian Blevins
- Ellen Engh
- Jessica Graro
- Kyle Howerton
- Chrissy Kyles
- Alex Le
- Jared Scism

PROFESSIONAL PREPARATION FAIR

Elizabeth Enck, Chair

- Lana Canale
- Amanda Davis
- Jeff Hicks
- Will Heckenkemper

TRANSPORTATION AND PARKING

Josh Stone, Chair

- Kris Pittman
- Ginger Pitts
- Alex Roush
- Karen Youngblood
- factor 110 | Destination Oklahoma
- Oklahoma City Convention & Visitors Bureau
- Edmond Convention & Visitors Bureau

ACKNOWLEDGEMENTS

UNIVERSITY OF CENTRAL OKLAHOMA COLLEGES

- College of Business
- College of Education & Professional Studies
- College of Fine Arts & Design
- College of Liberal Arts
- College of Mathematics & Science
- Jackson College of Graduate Studies

SPECIAL THANKS TO:

- Don Betz, President
- John Barthell, Provost & VP Academic Affairs
- Amy Johnson, Chair, Department of Design
- Kat Winstead, Ryan Richards, Austin Moore, UCO Design InkTank Studio
- Lisa Kern, Manager Finance & Operations, Academic Affairs
- Scott Booker, Chief Executive Officer, ACM@UCO
- Office of Research & Sponsored Programs
- Office of High-Impact Practices
- Office of Information Technology
- Office of University Communications
- UCO Office of Legal Counsel
- UCO Native American Student Association
- UCO Native American Faculty and Staff Association
- UCO Research Advisory Council
- UCO Undergraduate Research and Creative Activity Team
- Lawren Krone, eCommerce Coordinator
- James Powers, Bursar
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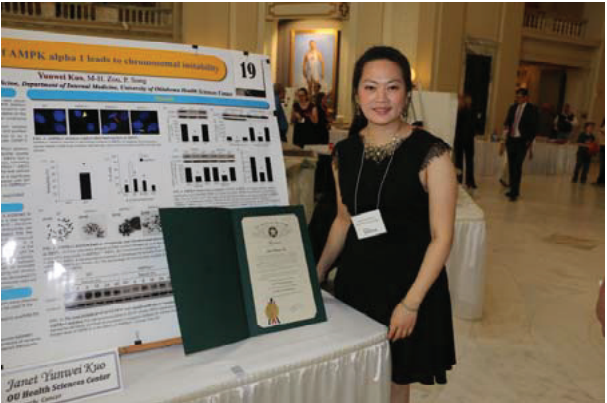
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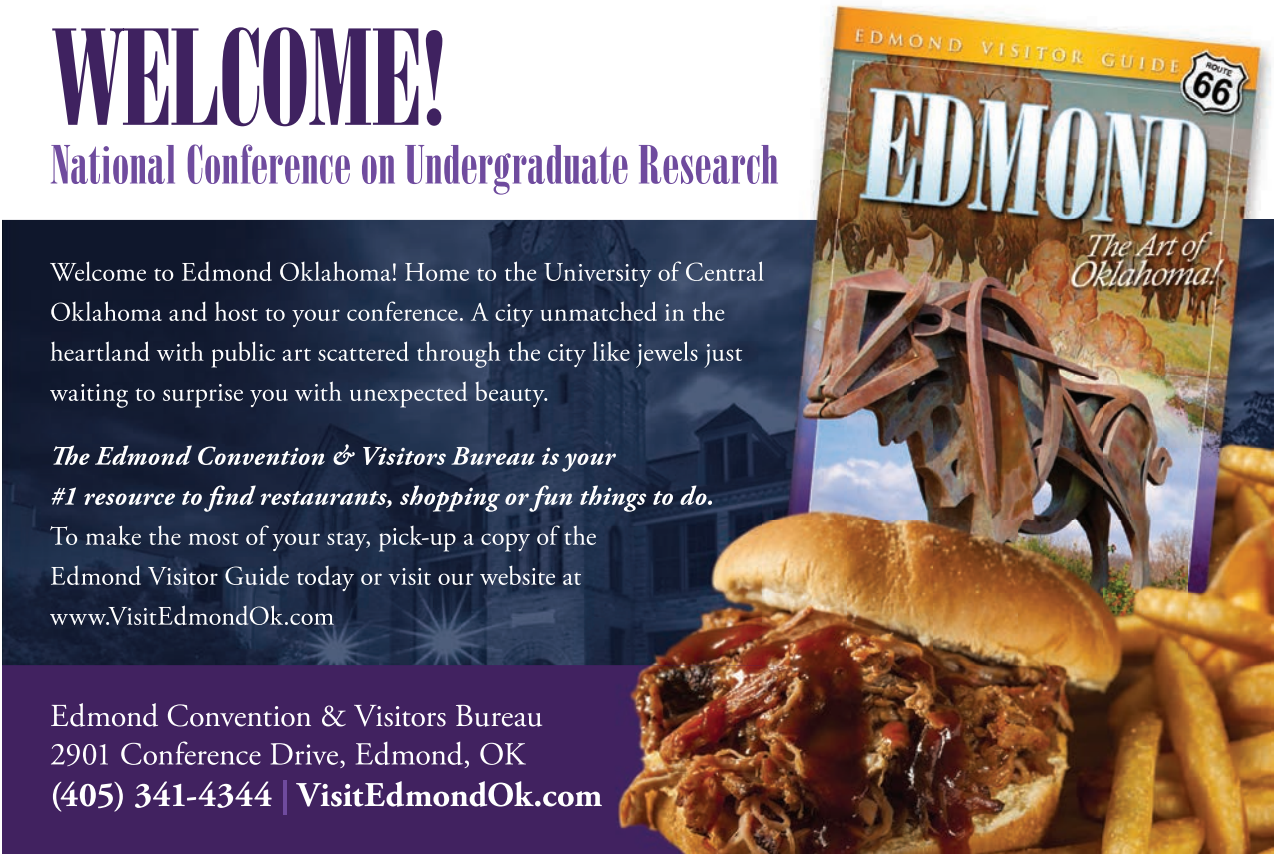
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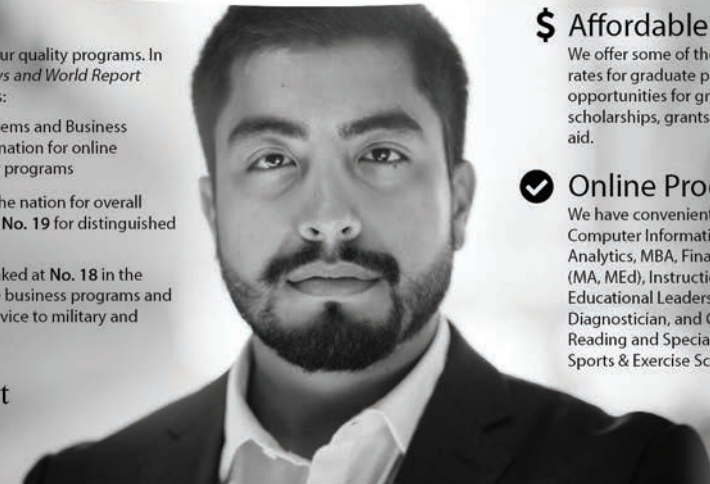
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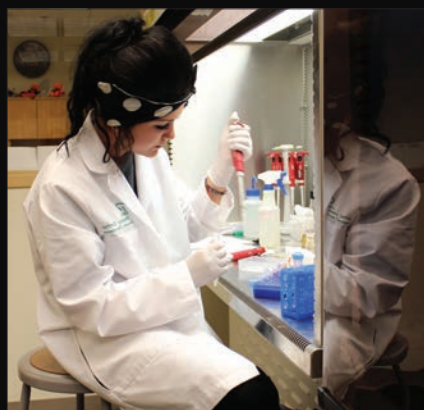
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ABOUT UCO

The University of Central Oklahoma is dedicated to developing in students the confidence to succeed through transformative learning experiences. Central prepares future leaders in an opportunity-rich environment, with access to more than 200 student organizations and the internship, employment, entertainment and cultural offerings of the rapidly growing Oklahoma City metropolitan area.

Founded in 1890, the University of Central Oklahoma connects its 16,000 students to 115 undergraduate areas of study and 74 graduate majors from its main campus in Edmond and facilities throughout the metro area. The university's six academic colleges and a nationally-renowned Forensic Science Institute serve more than 14,300 undergraduate students and 1,600 graduate students. Central is recognized for its dedication to veterans and their families and for its continuous efforts to promote responsible sustainability practices on its campus and within the surrounding community.

The Oklahoma City area is a modern metropolis with a historic Western past and a rich cultural history. The 2018 NCUR logo, which utilizes the University of Central Oklahoma's official colors – bronze and blue, features Oklahoma's state bird, the Scissor-tailed Flycatcher, a state symbol for many decades. The incorporation of the downtown Oklahoma City skyline represents the city's modern evolution and continuous development.



INFORMATION ASSISTANCE

Information tents and tables are located at several locations throughout campus during the conference. Tables will be in all conference buildings. Tents can be found at the following locations:

- Broncho Lake
- Center for Transformative Learning
- College of Fine Arts and Design
- College of Business
- Old North
- Hamilton Field House
- Wellness Center/University Commons Clubhouse

EMERGENCY NOTIFICATIONS

Text NCUR2018 to 67283 to receive UCO emergency alerts on your phone during your visit to the UCO campus. Notifications will not extend past NCUR 2018.

FLIP FLOP STOPS

Sometimes your conference-ready shoes aren't ready for cross-campus travel. Select tents will also offer Flip Flop Stops, providing a complimentary pair of flip flops to give your feet a break as you make your way between sessions.

GENERAL INFORMATION

NEED ADDITIONAL HELP? NCUR VOLUNTEERS ARE READY

The vast number of volunteers from across UCO, as well as our other Oklahoma institutions of higher education, are helping to bring you the best NCUR experience possible. NCUR 2018 volunteers, wearing light blue T-shirts, are located throughout the campus to help you with any questions you may have. You may also visit the volunteer hub, located in the Nigh University Center, to receive additional information.

NCUR 2018 T-SHIRTS

Remember your NCUR 2018 experience with a T-shirt featuring the unique conference design. Pick up T-shirts purchased during the online registration process at the conference registration site in the Nigh University Center. T-shirts can also be purchased on-site from the same location.

WIRELESS NETWORK ACCESS

UCO provides wireless internet access in all buildings on campus. To connect to the NCUR Wi-Fi network, select the NCUR network on your device and enter the password below.

Wireless SSID: NCUR

Password: ncur2018

If requested by your device, select the Security Protocol: WPA2 or WPA2-PSK

USAGE GUIDELINES

- Use a 5GHz wireless device for the best performance.
- Large meeting areas may experience slower speeds during peak times.
- Do not utilize personal hot spots or Wi-Fi tethering as these degrade the wireless experience for all attendees.
- This is a public internet connection and the use of a personal firewall is suggested.
- UCO students, faculty and staff should continue to use the UCO or UCO_SECURE Wi-Fi networks.

ACCEPTABLE USE AND MISUSE

The NCUR wireless network should not be used inappropriately; in particular you should not use the network to:

- Send, receive or make available any material that might be considered offensive, obscene or indecent;
- Send, receive or make available any material that might infringe copyright, e.g. MP3 or other audio and video formats;
- Run peer-to-peer (P2P) file sharing software;
- Intercept or attempt to intercept other wireless transmissions for the purposes of eavesdropping;
- Access or run utilities or services which might negatively impact on the overall performance of the network or deny access to the network, e.g. RF jamming, Denial of Service (DoS);
- Harass, cause annoyance, nuisance or inconvenience to others;

GENERAL INFORMATION

- Access or attempt to access systems or resources to which you are not authorized;
- Provide services which may interfere with normal network operation;
- Provide access to others, e.g. allowing a third party to use your credentials to access the network.

Misuse of the NCUR wireless network will be taken extremely seriously. Such misuse may lead to immediate permanent disconnection of any unapproved wireless networking equipment. Deliberate or repeated breaches of this policy will result in, at minimum, ejection from NCUR events and possibly legal action pursuant to state and/or federal law.

Contact the UCO Service Desk at 405-974-2255 if you have any problems connecting to the wireless network.

ATM AND BANKING SERVICES

The second floor of Nigh University Center is home to a MidFirst Bank campus banking center, open Monday through Friday, 7:30 a.m.-5:30 p.m. There also are six MidFirst Bank ATM locations throughout campus:

- Nigh University Center Food Court (accepts deposits)
- Nigh University Center – First Floor
- Max Chambers Library – East Entrance
- University Suites Sports Grill
- Hamilton Field House
- Buddy’s Cafeteria

COPY/SHIPPING SERVICES

R.K. Black Office is located on the 1st floor of the Nigh University Center, Suite 146. Store hours are from 8 a.m. to 5 p.m. Monday through Friday and 8 a.m. to 1 p.m. Saturday. Copy, large format poster printing and shipping services are available.

HOSPITAL AND MEDICAL SERVICES

For medical and mental health emergencies, on or off campus, call 911 immediately. University of Central Oklahoma Police will be contacted in the event of a medical emergency on campus. Provide as much information as possible about your location and the nature of the emergency.

Information for the closest urgent care facilities is below:

OU PHYSICIANS HEALTH AND WELLNESS CLINIC

100 N. University Drive, Edmond, OK 73134

Wellness Center, Room 105

405-974-3161

Hours: Mon-Fri, 8 a.m.-5 p.m.

Distance from campus: located on the north side of Central’s campus

GENERAL INFORMATION

OU MEDICAL CENTER – EDMOND

1 S. Bryant Avenue, Edmond, OK 73034

405-341-6100

Hours: 24 hours/7 days a week

Distance from campus: 0.9 miles

ACCESS MEDICAL CARE CENTER – URGENT CARE

46 E. 15th St., Edmond, OK 73013

405-844-5210

Hours: 8 a.m.-8 p.m., 7 days a week

Distance from campus: 2 miles

FIRST MED URGENT CARE

121 N. Kelly Avenue, Edmond, OK 73003

405-844-1633

Hours: 8 a.m.-7:30 p.m., 7 days a week

Distance from campus: 2.3 miles

INTEGRIS HEALTH EDMOND

4801 Integris Parkway, Edmond, OK 73034

405-657-3000

Hours: 24 hours/7 days a week

Distance from campus: 3.9 miles

DINING SERVICES

All registrations, pre-paid or on-site, include breakfast and lunch with vegetarian options.

Three dining locations are available on campus for NCUR attendees: The Grand Ballroom in the Nigh University Center, an outdoor venue by the Wellness Center and Buddy’s.

BREAKFAST

Complimentary continental breakfast is available at the Nigh University Center Grand Ballroom, and Buddy’s from 7 to 9 a.m. on Thursday, Friday and Saturday. Continental breakfast will also be available at the outdoor venue by the Wellness Center from 7 to 9 a.m. Friday.

LUNCH

A hot buffet lunch is available at the Grand Ballroom in the Nigh University Center and Buddy’s and a box lunch is available at the outdoor venue by the Wellness Center from 11:30 a.m. to 2 p.m. Thursday and Friday. On Saturday, a box lunch will be available at the Nigh University Center 2nd floor from 11 a.m. to 1 p.m.

SNACKS

An afternoon snack will be available on Thursday afternoon at Plunkett Park from 3 to 6 p.m.

You must show your NCUR badge/nametag for each breakfast and lunch.

GENERAL INFORMATION

OTHER DINING OPTIONS

The University of Central Oklahoma has several dining locations should you want something other than what is offered for the complimentary meals:

- Nigh University Center Food Court (2nd floor)
 - Chick-Fil-A Express
 - Flatire Burgers
 - Sushi with Gusto
 - Quiznos
 - 2 Mato
- Starbucks (Nigh University Center 2nd floor)
- Legends Restaurant (Nigh University Center 2nd floor)
- Market at the Nigh (Nigh University Center 2nd floor)
- Market at the Library (Chambers Library 1st floor)
- Market at the Quad (The Quad Resident Hall)

TRANSPORTATION AND PARKING

NCUR 2018 will provide complimentary shuttle service from all NCUR-designated hotels. If you are not staying at an NCUR-designated hotel, you may still ride the shuttle that picks up at the nearest conference hotel. Shuttle service will be provided according to the schedule below and will run approximately every 10-15 minutes.

Shuttle service is available during the following times:

WEDNESDAY, APRIL 4

Noon-7 p.m.

THURSDAY, APRIL 5

6:30-9:30 a.m.

3:30-6:30 p.m.

FRIDAY, APRIL 6

6:30-9:30 a.m.

3:30-6:30 p.m.

SATURDAY, APRIL 7

6:30 a.m.-1:30 p.m.

Shuttle service is allocated based on the estimated number of registrants staying in NCUR-designated hotel properties. Although specific pick-up and drop-off times cannot be provided, we urge attendees to ride the earliest shuttle possible to ensure a timely arrival on campus for the plenary sessions and/or presentation sessions. The shuttle routes are color-coded, and each of the buses will be marked with the route color.

GENERAL INFORMATION

HOTEL SHUTTLE ROUTES

GREEN ROUTE: North Edmond

Pick Up at Hilton Garden Inn Edmond & Edmond Conference Center

Serves:

- Hilton Garden Inn Edmond & Edmond Conference Center

RED ROUTE: Edmond

Pick Up on Meline Drive Circle

Serves:

- Fairfield Inn & Suites by Marriott Edmond
- Hampton Inn Oklahoma City—Edmond
- Home2 Suites by Hilton Edmond
- La Quinta Inn & Suites Edmond
- Holiday Inn Express & Suites Edmond

BLUE ROUTE: Quail Springs

Pick Up at SpringHill Suites by Marriott Oklahoma City Quail Springs

Serves:

- Hilton Garden Inn Oklahoma City North Quail Springs
- Holiday Inn Oklahoma City North—Quail Springs
- La Quinta Inn & Suites OKC North—Quail Springs
- SpringHill Suites by Marriott Oklahoma City Quail Springs
- Staybridge Suites Oklahoma City-Quail Springs

Stops at:

- Country Inn & Suites by Carlson, Oklahoma City—Quail Springs
- Courtyard by Marriott Oklahoma City North
- Residence Inn by Marriott Oklahoma City North—Quail Springs
- Sleep Inn & Suites

YELLOW ROUTE: Northwest Expressway

Pick Up at Wyndham Oklahoma City

Serves:

- Wyndham Oklahoma City
- Hampton Inn Oklahoma City—Northwest
- Hilton Garden Inn Oklahoma City Midtown
- Residence Inn by Marriott Oklahoma City Northwest

Stops at:

- Hyatt Place Oklahoma City—Northwest

GENERAL INFORMATION

PURPLE ROUTE: Downtown/Bricktown

Picks Up at Santa Fe Train Depot

Serves:

- Sheraton Oklahoma City Downtown Hotel
- SpringHill Suites by Marriott Oklahoma City Downtown—Bricktown
- The Skirvin Hilton Oklahoma City
- AC Hotel by Marriott Oklahoma City Bricktown
- Aloft Oklahoma City Downtown—Bricktown
- Homewood Suites by Hilton Oklahoma City—Bricktown
- Hampton Inn & Suites Oklahoma City—Bricktown
- Hyatt Place Oklahoma City—Bricktown

METRO MUSIC FEST/EXCURSION/TOUR SHUTTLE SERVICE

METRO MUSIC FEST

Transportation is provided to the Metro Music Fest on Friday, April 6 from UCO to Downtown/Bricktown. Ride one of the buses on the PURPLE ROUTE to Downtown/Bricktown. Shuttles will depart from UCO between 3:30-6:30 p.m. To return to your hotel following the event, meet at the Santa Fe Train Depot/Scissortail Gifts. Buses will have color-coded signage and depart approximately every 30 minutes to hotels. The last bus leaves at 10 p.m.

SATURDAY EXCURSIONS/TOURS

Pick-up and drop-off for excursions is directly outside of the Nigh University Center. Volunteers will be available to direct attendees to appropriate buses. Individuals will be shuttled back to UCO following the excursions and responsible for their own transportation back to their hotel. All shuttles will leave promptly at 12:30 p.m.

ADDITIONAL TOURS

Excursion tickets are available at registration. For supplementary tours or excursions during your time in Edmond/Oklahoma City, visit www.okctours.com.

PARKING

Parking will be limited so please use the shuttle service provided to and from the NCUR hotels. If you are not staying at a hotel with a shuttle, please review the following parking options:

• CARS

Attendees who are driving cars to campus should park in Lot 6, off of Bauman Avenue on the far eastern side of the campus. A map can be found on the NCUR website.

• CHARTER BUS PARKING

Parking lots 1 and 2 in the far northeast section of campus, east of Wantland Stadium, off of Chowning Avenue are available for charter bus and oversize vehicle parking. A map can be found on the NCUR website or on the back of this program.

GENERAL INFORMATION

GENDER NEUTRAL RESTROOMS

Guide to All-Gender Restrooms

1. BUSINESS BUILDING • 102	8. HUMAN ENVIRONMENTAL SCIENCES • Suite 100 (FS)
2. CHAMBERS LIBRARY • 108A • 108B	9. LIBERAL ARTS BUILDING • 104 Dean's Office (FS)
3. COYNER HEALTH SCIENCES • 123	10. MITCHELL HALL • 212
4. EDUCATION BUILDING • 215A (FS) • 215B (FS)	11. NIGH UNIVERSITY CENTER • 232 (family) • 309F
5. FORENSIC SCIENCE INSTITUTE • 100M (FS) • 110M	12. WANTLAND STADIUM • 113 (family) • 120 (family)
6. HEALTH & PHYSICAL EDUCATION • 1st floor near dance offices (FS)	13. WELLNESS CENTER • 209 (FS) • 230 • 232
7. HOUSING OFFICE • 13	

FS - faculty & staff only
All facilities are single stall

LACTATION ROOMS

Designated lactation rooms are in the following locations:

- Nigh University Center, Room 305i (Monday-Friday, 8 a.m.-5 p.m.)
- Nigh University Center, Room 302 (Monday-Friday, 6:30 a.m.-9 p.m.)
- Lillard Administration, Room 206 (Monday-Friday, 8 a.m.-5 p.m.)
- Wellness Center lobby (Monday-Thursday, 5 a.m.-midnight; Friday, 5 a.m.-8 p.m.; Saturday, 8 a.m.-6 p.m.; and Sunday, 1-8 p.m.)

FACULTY/ADMINISTRATOR LOUNGE

Faculty, staff, administrators and exhibitors are invited to enjoy complimentary refreshments in the MidFirst Bank Conference Room and Territorial Lounge, 3rd floor, Old North building from 8 a.m. to 5 p.m. Thursday and Friday.

STUDENT LOUNGE

Students are invited to meet with the NCUR Student Ambassadors on the 1st floor of the Chambers Library from 11 a.m. to 5 p.m. Thursday and 8 a.m. to 5 p.m. Friday. Come by so you can:

- Learn more about Edmond, the UCO campus and NCUR;
- Practice your presentation in one of eight reserved rooms;
- Meet new people; and
- Hang out and have a cup of coffee or tea.



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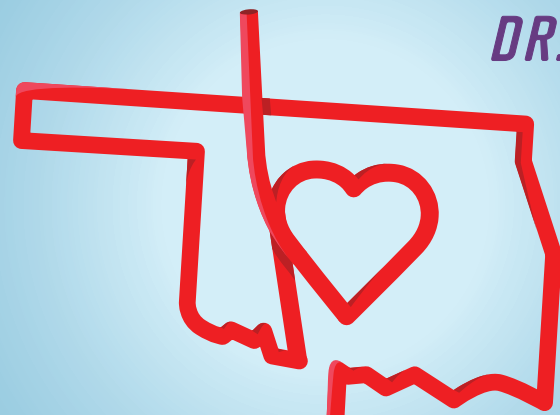
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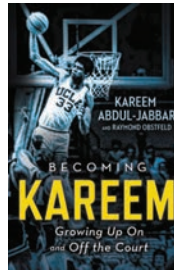
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PRE-CONFERENCE WORKSHOPS

Welcome to the first-ever NCUR Pre-Conference Workshops. Plan to explore the theme, “Connection to Place,” through attending concurrent sessions in one of five interdisciplinary tracks. You’ll begin by attending the Welcome and Kick-off in the Nigh University Center (NUC) Ballrooms, and you’ll conclude in the Mitchell Hall Theatre for a performance and giveaways with leaders and participants in the Interdisciplinary Arts Track. Enjoy your Pre-Conference Workshops experience!

- 9 a.m. Registration Opens in the Nigh University Center (NUC)**
- 1 p.m. Pre-Conference Workshops Welcome & Kick-Off
Creating Common Ground through Undergraduate Research
NUC Ballrooms**
- 1 p.m. Welcome – John Barthell, Ph.D., UCO Provost**
- 1:05 p.m. Greetings – Don Betz, UCO President**
- 1:10 p.m. Introductory Video - featuring and introducing UCO students affiliated with all five Pre-Conference Workshops Tracks**
- 1:15 p.m. Opening Remarks
Moderator: Bryan Duke, Ph.D.
Panelists: UCO Students – Joseph Downs, Business Energy Sector Track; Mychealon Mullins, Early Childhood Education Track; Linda Pope, Interdisciplinary Arts Track; Haylee Smoot, Forensic Science Track; and Savannah Waters, American Indian Studies Track
Live Artist: Bunky Echo-Hawk**
- 1:20 p.m. Dialogue of Common Ground – Panelists, Attendees and Artist**
- 1:50 p.m. Artist Synthesis – Bunky Echo-Hawk**
- 2 p.m. Closing Remarks and Track Instructions – David Macey, Ph.D.**

PRE-CONFERENCE WORKSHOPS

Following the Welcome & Kick-Off, students will attend concurrent sessions in one of the five tracks for which they registered before gathering at 6:20 p.m. in Mitchell Hall Theatre for the Interdisciplinary Arts Showcase. Four slots of concurrent sessions across all tracks provide an opportunity for students to explore career information, engage with guest speakers and interact with like-minded others from across the country. See the program for a complete schedule of concurrent sessions for each track.

- 2:30 p.m. Track Concurrent Session One (see track schedule)**
- 3:25 p.m. Track Concurrent Session Two (see track schedule)**
- 4:20 p.m. Track Concurrent Session Three (see track schedule)**
- 5:15 p.m. Track Concurrent Session Four (see track schedule)**
- 6:20 p.m. Pre-Conference Workshops Interdisciplinary Arts Showcase
Mitchell Hall Theatre
Showcase Welcome & Giveaways – MC Amrit (AJ) Kaur Singh with UCO Royalty**
- 6:25 p.m. Showcase Overview & the Creative Process – Tina Kambour**
- 6:30 p.m. Showcase Performance and Q&A**
- 6:50 p.m. Showcase Wrap-Up and Giveaways - MC Amrit (AJ) Kaur Singh with UCO Royalty**

PRE-CONFERENCE WORKSHOPS

AMERICAN INDIAN STUDIES TRACK <i>Presented by the Chickasaw Nation</i>			
1 – 2:10 p.m.	Pre-Conference Workshops Welcome & Kick-Off <i>“Creating Common Ground through Undergraduate Research”</i> <i>Nigh University Center (NUC) Ballrooms</i>		
2:10 – 2:30 p.m.	<i>Movement to Track Concurrent Sessions</i>		
2:30 – 3:15 p.m.	Session Title: Biological Sciences Presenter: Michael Ceballos, Ph.D. Location: NUC 320B	Session Title: Fine & Performing Arts Presenter: Russ Tallchief Location: NUC 320C	Session Title: Health & Wellness Presenter: Jamie Clark Location: NUC 314
3:15 – 3:25 p.m.	<i>Break</i>		
3:25 – 4:10 p.m.	Session Title: Biological Sciences Presenter: Michael Ceballos, Ph.D. Location: NUC 320B	Session Title: Fine & Performing Arts Presenter: Russ Tallchief Location: NUC 320C	Session Title: Health & Wellness Presenter: Jamie Clark Location: NUC 314
4:10 – 4:20 p.m.	<i>Break</i>		
4:20 – 5:05 p.m.	Session Title: Biological Sciences Presenter: Michael Ceballos, Ph.D. Location: NUC 320B	Session Title: Fine & Performing Arts Presenter: Russ Tallchief Location: NUC 320C	Session Title: Health & Wellness Presenter: Jamie Clark Location: NUC 314
5:05 – 5:15 p.m.	<i>Break</i>		
5:15 – 6 p.m.	Session Title: American Indian Studies Track Synthesis Presenters: Michael Ceballos, Ph.D., Russ Tallchief, Jamie Clark and Bunky Echo-Hawk Location: NUC Ballroom C		
6 – 6:20 p.m.	<i>Movement to Interdisciplinary Arts Showcase in Mitchell Hall Theatre</i>		
6:20 – 7 p.m.	Pre-Conference Workshops Closure & Send-Off <i>“Interdisciplinary Arts Showcase”</i> <i>Mitchell Hall Theatre</i>		

PRE-CONFERENCE WORKSHOPS

PRESENTERS:

MICHAEL CEBALLOS (Odami) is an assistant professor of Biology at the University of Arkansas. Ceballos earned a Ph.D. in Integrative Microbiology and Biochemistry through an U.S. National Science Foundation IGERT program at the University of Montana. Using his prior experience in neurobiology and virology, he currently studies neurotropic dsDNA virus systems and emergent infectious disease dynamics, in humans and other vertebrates (e.g., fish and mice). Although his general interests include understanding the evolution of virulence (and attenuation) in host-pathogen systems and the role that viruses play in major evolutionary changes, Ceballos is also engaged in projects with practical application. As part of an applied science component of his research, he studies microbial systems (e.g., archaea and microalgae) to develop biotechnology to enhance liquid fuel production systems and for optimizing “sustainable” aquaponics systems. As part of the more biomedical sciences component of his research, Ceballos also studies herpesviruses (i.e., HHV6-A, HHV6-B, HHV7, MHV68, MRV) in human cells and mouse models.

JAMIE CLARK (Muscogee Creek) has taught health and kinesiology classes at UCO since 2014. Prior to teaching at UCO, Clark taught U.S. History from Civil War to Vietnam War at Choctaw High School in Choctaw, Oklahoma. Clark is currently pursuing a doctorate in Health and Human Performance from Oklahoma State University with an anticipated completion in 2018. Her experience as a sports coach brought her to the health and kinesiology fields, and she is passionate about researching and teaching athletes, coaches and parents about issues in sport. She is a citizen of the Muscogee Creek Nation and serves as Vice President of the Native American Faculty Staff Association at UCO.

BUNKY ECHO-HAWK (Pawnee/Yakama) is a multi-talented artist whose work spans both media and lifestyle. A graduate of the Institute of American Indian Arts, he is a fine artist, graphic designer, photographer, writer and a nonprofit professional. Echo-Hawk is also a traditional singer and dancer of the Pawnee Nation and an enrolled member of the Yakama Nation. As an advocate and an educator, Echo-Hawk regularly speaks at conferences, conducts workshops, and teaches art and writing. He has performed live art presentations at several domestic and international venues. He initiates the performance by creating a dialogue with the audience in order to generate socially relevant and meaningful discussion. He guides the audience through conceptualizing a painting, which he creates on the spot for the host organization, while participants continue to contribute their ideas, opinions and personal testimony.

RUSS TALLCHIEF (Osage) is the director of Student Engagement, Inclusion, and Multicultural Programs at Oklahoma City University. He is the author of “Jacobson and the Kiowa Five,” a play published for the Native American New Play Festival: A Celebration of Four Years. Most recently, he authored a new play titled “The Chainsaw Artist,” which premiered in August in Norman, Oklahoma. Tallchief served as the Art Galleries Editor for Native Peoples Magazine from 2000 – 15. He has also curated exhibitions of Native art throughout the U.S. and in Paris, France. Tallchief is a Taildancer in the In’lonshka Osage ceremonial dances and the nephew of renowned Osage ballerinas Maria and Marjorie Tallchief.

PRE-CONFERENCE WORKSHOPS

BUSINESS ENERGY SECTOR TRACK			
1 – 2:10 p.m.	Pre-Conference Workshops Welcome & Kick-Off <i>“Creating Common Ground through Undergraduate Research”</i> Nigh University Center (NUC) Ballrooms		
2:10 – 2:30 p.m.	<i>Movement to Track Concurrent Sessions</i>		
2:30 – 3:15 p.m.	<table border="1"> <tr> <td> Session Title: Careers in Energy Sectors Presenter: Autumn Lashley Location: NUC Ballroom B </td> <td> Session Title: Covering the World of Energy Presenter: Sarah Terry-Cobo Location: NUC 421 </td> </tr> </table>	Session Title: Careers in Energy Sectors Presenter: Autumn Lashley Location: NUC Ballroom B	Session Title: Covering the World of Energy Presenter: Sarah Terry-Cobo Location: NUC 421
Session Title: Careers in Energy Sectors Presenter: Autumn Lashley Location: NUC Ballroom B	Session Title: Covering the World of Energy Presenter: Sarah Terry-Cobo Location: NUC 421		
3:15 – 3:25 p.m.	<i>Break</i>		
3:25 – 4:10 p.m.	<table border="1"> <tr> <td> Session Title: Government Regulation of Energy Industry Presenter: Kent Meyers Location: NUC Ballroom B </td> <td> Session Title: The Federal Reserve Energy Survey Presenter: Megan Williams Location: NUC 421 </td> </tr> </table>	Session Title: Government Regulation of Energy Industry Presenter: Kent Meyers Location: NUC Ballroom B	Session Title: The Federal Reserve Energy Survey Presenter: Megan Williams Location: NUC 421
Session Title: Government Regulation of Energy Industry Presenter: Kent Meyers Location: NUC Ballroom B	Session Title: The Federal Reserve Energy Survey Presenter: Megan Williams Location: NUC 421		
4:10 – 4:20 p.m.	<i>Break</i>		
4:20 – 5:05 p.m.	Session Title: Oil & Gas, Seismic Activity, and Governmental Relations Presenter: Secretary Michael Teague Oklahoma Secretary of Energy & Environment Location: NUC Ballroom B		
5:05 – 5:15 p.m.	<i>Break</i>		
5:15 – 6 p.m.	<table border="1"> <tr> <td> Session Title: World Energy Outlook Presenter: Mark Stansberry Location: NUC Ballroom B </td> <td> Session Title: Future Prospects and Past Advances for Renewable Energy Presenter: Jim Roth Location: NUC 421 </td> </tr> </table>	Session Title: World Energy Outlook Presenter: Mark Stansberry Location: NUC Ballroom B	Session Title: Future Prospects and Past Advances for Renewable Energy Presenter: Jim Roth Location: NUC 421
Session Title: World Energy Outlook Presenter: Mark Stansberry Location: NUC Ballroom B	Session Title: Future Prospects and Past Advances for Renewable Energy Presenter: Jim Roth Location: NUC 421		
6 – 6:20 p.m.	<i>Movement to Interdisciplinary Arts Showcase in Mitchell Hall Theatre</i>		
6:20 – 7 p.m.	Pre-Conference Workshops Closure & Send-Off <i>“Interdisciplinary Arts Showcase”</i> Mitchell Hall Theatre		

PRE-CONFERENCE WORKSHOPS

PRESENTERS:

AUTUMN LASHLEY has been working for Chesapeake Energy for nearly 10 years. She is responsible for identifying and recruiting new talent for the company, conducting new-hire orientations for new employees, and for planning and executing recruiting efforts across multiple disciplines and school locations. Lashley is a graduate of the University of Central Oklahoma.

KENT MEYERS is a director at Crowe & Dunlevy, a leading law firm in Oklahoma City. He graduated with law degrees from University of Oklahoma and Harvard University. Meyers has extensive experience in antitrust and complex litigations, and his law practice spans more than five decades. Meyers has also taught in the College of Law at the University of Oklahoma. He has co-hosted the television show “The Verdict” with Oklahoma City Mayor Mick Cornett since April 1, 2001. Meyers is one of two co-founders of Oklahoma Lawyers for Children, the founder of Crowe & Dunlevy International Professorship Program and a fellow of the American College of Trial Lawyers.

JIM ROTH is a member of the Phillip Murrah law firm’s Energy and Natural Resources Practice Group and Chair of the Clean Energy Practice Group. He represents individuals and both publicly-owned and private companies in a range of business, energy and environmental issues, as well as a variety of public policy and regulatory matters. He served as an Oklahoma Corporation Commissioner from 2007 until January 2009 when he joined Phillips Murrah. He served as a County Commissioner for Oklahoma County from 2002 to 2006. Prior to serving as County Commissioner, he served eight years in local government as a staff attorney and chief deputy for Oklahoma County.

MARK A. STANSBERRY is a corporate leader with extensive experience in the energy industry as well as in domestic and international business development. He has chaired and/or served on private, public and not-for-profit boards of companies/entities ranging from a few employees to several thousand. Stansberry has served as Chairman/CEO of the GTD Group and CEO/President of the Oklahoma Royalty Company. He is an award-winning author, film producer, columnist and radio talk show host. He currently serves as a Regent for the Regional University System of Oklahoma, UCO’s governing board.

SECRETARY MICHAEL TEAGUE serves as Oklahoma’s first Secretary of Energy and Environment. Appointed in 2013, he is responsible for coordinating over 30 state agencies, boards, compacts and commissions in advancing policies that encourage energy production and environmental stewardship throughout the state. Prior to his appointment, Teague served in the U.S. Army for nearly 30 years before retiring with the rank of Colonel. As the commander of the Tulsa District of the U.S. Army Corps of Engineers, he managed a civil works program encompassing all of Oklahoma, a large portion of southern Kansas and the panhandle of northern Texas. Teague received a bachelor’s degree in Civil Engineering from Norwich University. He also received master’s degrees in Operations Analysis from the Naval Postgraduate School and in National Security and Strategic Studies from the Naval War College.

SARAH TERRY-COBO is a senior reporter and digital strategist for The Journal Record, a daily business newspaper based in Oklahoma City, where she has worked since 2012. She covers energy, healthcare, aerospace and manufacturing industries. She served as an adjunct instructor at the Gaylord College of Journalism and Mass Communication at the University of Oklahoma. Previously she has worked for NPR-affiliate KQED Radio, the Center for Investigative Reporting, GreenBiz.com, Forbes.com and The Oakland Tribune. Terry-Cobo has a Bachelor of Arts in Environmental Policy from the University of Tulsa, a Master of Journalism in Journalism and a Master of Arts in Latin American Studies from the University of California, Berkeley.

MEGAN WILLIAMS joined the Federal Reserve Bank in 2000 as an analyst in the Retail Payments Support department. In March 2006, Megan assumed her current position as an associate economist in the Regional Affairs department, where she is responsible for current monetary policy research, district economic surveys and a variety of economic research projects. She also serves as secretary for the Oklahoma City Branch Board of Directors and is a former board chair of the Oklahoma Council on Economic Education. Megan holds a B.S. degree in Finance from Oklahoma State University and a MBA degree from the University of Oklahoma.

PRE-CONFERENCE WORKSHOPS

EARLY CHILDHOOD EDUCATION THROUGH AN INTERNATIONAL LENS TRACK			
1 – 2:10 p.m.	<p align="center">Pre-Conference Workshops Welcome & Kick-Off <i>“Creating Common Ground through Undergraduate Research”</i> Nigh University Center (NUC) Ballrooms</p>		
2:10 – 2:30 p.m.	<p align="center"><i>Movement to Track Concurrent Sessions</i></p>		
2:30 – 3:15 p.m.	<p align="center">Session Title: Researching Play from a Playwork Perspective Presenter: Pete King, Ph.D. Location: NUC Ballroom A</p>		
3:15 – 3:25 p.m.	<p align="center"><i>Break</i></p>		
3:25 – 4:10 p.m.	<p align="center">Session Title: Access to Play with Children in Crisis Presenter: LaDonna Atkins, Ed.D. Location: NUC 300</p>	<p align="center">Session Title: Valuing Women's and Children's Historical Narratives Presenter: Patti Loughlin, Ph.D. Location: NUC 304</p>	<p align="center">Session Title: Head Start's Role in the Preservation of Choctaw Culture for the Tribe's Youngest Members Presenter: Jennifer A. Richard Location: NUC 301</p>
4:10 – 4:20 p.m.	<p align="center"><i>Break</i></p>		
4:20 – 5:05 p.m.	<p align="center">Session Title: Play in Early Childhood Education: What, Where, How and Why? Presenter: Ji Hyun Oh, Ph.D. Location: NUC 300</p>	<p align="center">Session Title: Influence of a Great Progressive Thinker: The Legacy of John Dewey in Hawaii Presenter: Susan Tabor, Ph.D. Location: NUC 304</p>	<p align="center">Session Title: Young Children in the Caribbean Islands: Poverty in Paradise Presenter: Judith McConnell-Farmer, Ph.D. Location: NUC 301</p>
5:05 – 5:15 p.m.	<p align="center"><i>Break</i></p>		
5:15 – 6 p.m.	<p align="center">Session Title: Advocating for Play Presenters: Pete King, LaDonna Atkins, and Janette Wetsel Location: NUC Ballroom A</p>		
6 – 6:20 p.m.	<p align="center"><i>Movement to Interdisciplinary Arts Showcase in Mitchell Hall Theatre</i></p>		
6:20 – 7 p.m.	<p align="center">Pre-Conference Workshops Closure & Send-Off <i>“Interdisciplinary Arts Showcase”</i> Mitchell Hall Theatre</p>		

PRE-CONFERENCE WORKSHOPS

PRESENTERS:

LADONNA ATKINS, ED.D., is a professor in the Child Development program at the University of Central Oklahoma. Atkins serves as the administrator for the campus Child Study Center. She serves on many national, state and community boards, including the advisory board for the Oklahoma Infant Mental Health Association, Oklahoma March of Dimes, OKC Klife and Oklahoma Head Start Collaboration. She currently serves as the International Play Association/United States president and recently was appointed to the International Play Association World Council. Her research interests include school recess, play and infant/child development.

PETE KING earned a Ph.D. in Childhood Studies and currently teaches courses on children's rights, perspectives on play and therapeutic work with children. He also teaches research methods in both undergraduate and postgraduate courses. King has spent most of his professional practice in children's recreational time, including the use of school space outside of the school curriculum. He researches and teaches in play theory and practice, researching childhood and perspectives on play. He is interested in re-establishing early years practitioners as play professionals and the factors influencing children's perceptions of choice within their free play activity.

PATTI LOUGHLIN is a professor of History and chair of the Department of History and Geography at the University of Central Oklahoma. She specializes in modern U.S. history, women's history, American Indian history and the history of the American West. Her book, "Hidden Treasures of the American West: Muriel H. Wright, Angie Debo and Alice Marriott" (University of New Mexico Press, 2005), received the Outstanding Book on Oklahoma History award from the Oklahoma Historical Society and the Director's Award and Finalist in Nonfiction from the Oklahoma Center for the Book in 2006. She has authored several other books, her latest being one for children, "Angie Debo, Daughter of the Prairie" (Oklahoma Hall of Fame, 2017).

JUDITH MCCONNELL-FARMER is a professor of Education at Washburn University in Kansas. She is president of OMEP-USA (Organisation Mondiale pour L'Education Prescolaire), World Organization for Early Childhood Education and Care, United States, and has facilitated 45 sessions of the International Round Table Symposium at Oxford University in Oxford, England during the past 14 years. She has studied young children in both Belize and Jamaica, and has extended experiences in global settings.

Ji HYUN OH is an assistant professor of Inclusive Early Childhood Education at the University of Colorado at Colorado Springs. She received her master's degree in early childhood education from the University of Central Oklahoma and Ph.D. in special education from the University of Florida. She previously worked as a kindergarten and preschool teacher in South Korea and Oklahoma. Oh has taught multiple undergraduate courses including "Learning through Play" and also has worked as a university field supervisor. Her research interests include children's play, play environment and early childhood teacher education.

JENNIFER AIRINGTON RICHARD graduated from Trinity University in 1997 with a B.A. in English and Communications. She received her Montessori Certification in 2005 and a master's in Early Childhood Education in 2010 from the University of Central Oklahoma. Richard is currently in her fourth year of study towards a Ph.D. in Childhood Studies at Swansea University. She is a Fellow with Oklahoma A+ Schools, and she has worked as an early childhood educator for 10 years. Jennifer and her husband have two teenage children.

SUSAN TABOR currently serves as an administrator in a community college setting. She has 30 years of experience in higher education, public school settings, and early care and education programs. She holds a Ph.D. in Instructional Leadership and Academic Curriculum with an emphasis in early childhood education. Her professional interests focus on improving the quality of life of children and their families.

JANETTE C. WETSEL earned a Ph.D. and is a professor of Early Childhood Education at the University of Central Oklahoma. Wetsel teaches classes in advocacy and public policy, diversity and assessment of young children. Her research interests include cross-cultural comparisons of early childhood settings and the Americanization of early childhood education in other cultures through the adoption of the phrase, "Developmentally Appropriate Practice." While serving as the public policy chair of a state early childhood organization for several years, she led groups of early childhood professionals to the NAEYC Forum on Public Policy in Washington, D.C.

PRE-CONFERENCE WORKSHOPS

FORENSIC SCIENCE TRACK				
1 – 2:10 p.m.	Pre-Conference Workshops Welcome & Kick-Off <i>“Creating Common Ground through Undergraduate Research”</i> <i>Nigh University Center (NUC) Ballrooms</i>			
2:10 – 2:30 p.m.	<i>Movement to Track Concurrent Sessions</i> <i>in the Forensic Science Institute (FSI) Building</i>			
2:30 – 3:15 p.m.	Session Title: Digital Evidence Presenter: Mark McCoy, Ed.D. Location: FSI 123	Session Title: Impression Evidence Presenter: Cait Porterfield Location: FSI 113	Session Title: Biological Evidence Presenter: James Creecy, Ph.D. Location: FSI 111	Session Title: Bloodstain Pattern Presenter: Craig Gravel Location: FSI Evidence Bay
3:15 – 3:25 p.m.	<i>Break</i>			
3:25 – 4:10 p.m.	Session Title: Digital Evidence Presenter: Mark McCoy, Ed.D. Location: FSI 123	Session Title: Impression Evidence Presenter: Cait Porterfield Location: FSI 113	Session Title: Biological Evidence Presenter: James Creecy, Ph.D. Location: FSI 111	Session Title: Bloodstain Pattern Presenter: Craig Gravel Location: FSI Evidence Bay
4:10 – 4:20 p.m.	<i>Break</i>			
4:20 – 5:05 p.m.	Session Title: Digital Evidence Presenter: Mark McCoy, Ed.D. Location: FSI 123	Session Title: Impression Evidence Presenter: Cait Porterfield Location: FSI 113	Session Title: Biological Evidence Presenter: James Creecy, Ph.D. Location: FSI 111	Session Title: Bloodstain Pattern Presenter: Craig Gravel Location: FSI Evidence Bay
5:05 – 5:15 p.m.	<i>Break</i>			
5:15 – 6 p.m.	Session Title: Forensic Science Panel Discussion Presenters: Mia White, Chelsea Fort, Tim Dwyer, and Keisha Jones Location: FSI 106			
6 – 6:20 p.m.	<i>Movement to Interdisciplinary Arts Showcase in Mitchell Hall Theatre</i>			
6:20 – 7 p.m.	Pre-Conference Workshops Closure & Send-Off <i>“Interdisciplinary Arts Showcase”</i> <i>Mitchell Hall Theatre</i>			

PRE-CONFERENCE WORKSHOPS

PRESENTERS:

JAMES CREECY, PH.D. has a dual appointment to the Forensic Science Institute and Department of Biology at the University of Central Oklahoma. Prior to his employment with UCO, Creecy was a serologist and DNA analyst for the Oklahoma City Police Department Crime Laboratory. Dr. Creecy's service and experience contributes expertise in the areas of microscopic and macroscopic examination of biological material, nuclear and mitochondrial DNA analysis, forensic application of population statistics, operational knowledge of the CODIS database, and professional continuing education of law enforcement and medical personnel.

TIMOTHY DWYER earned his bachelor's degree in Mortuary Science from the University of Central Oklahoma in 2002. He then obtained a job as a Medicolegal Death Investigator for the Office of the Chief Medical Examiner, where he is still currently employed in the field. From 2009-16 he served as the chief investigator. He is also on the Board of Directors for the American Board of Medicolegal Death Investigators, where he is currently serving as the vice president. Currently, he is a graduate student in the master's program at the Forensic Science Institute.

CHELSEA FORT earned her Bachelor of Science degree in Biology from Southwestern College in 2012. She then obtained a master's degree in Forensic Science from the University of Central Oklahoma in 2014, emphasizing in forensic chemistry. She has worked for the Office of the Chief Medical Examiner of Oklahoma for over four years as a forensic chemist in the toxicology laboratory. Chelsea has published numerous papers in the fields of forensic chemistry and toxicology and is a member of the Southwestern Association of Toxicologists.

R. CRAIG GRAVEL is a retired lieutenant with the Oklahoma City Police Department. With 25 years of service at the department, he was assigned to the Investigations Bureau for 21 years serving as a detective in the larceny, missing persons, robbery and homicide units. He was promoted to the rank of lieutenant in 1993 and was a supervisor in the Crime Scene Unit for more than 10 years. He has been an adjunct professor at the University of Central Oklahoma for the past seven years instructing "Basic and Advanced Bloodstain Pattern Analysis" in the Master of Forensic Science program. He has also taught at the University of Oklahoma, Oklahoma State University, Oklahoma City Police Homicide School, the Police Citizens Academy, Public Agency Training Council and TBI, LLC.

KEISHA JONES has been a crime scene processing adjunct instructor at the UCO Forensic Science Institute since 2015. Prior to that, she was employed with the Midwest City Police Department for 4½ years, first as a technical investigator, and then as the Crime Lab Director. During this time, she helped develop the technical investigator and crime scene technician training programs and received certification as a crime scene investigator through the International Organization for Identification. Keisha's education includes a B.S. degree in chemistry from Oklahoma State University and an M.S. degree in forensic science from UCO.

MARK MCCOY, ED.D. joined the faculty at UCO following retirement from the Oklahoma State Bureau of Investigation (OSBI). McCoy specialized in computer crimes and the forensic examination of digital evidence and was the first supervisor of the OSBI Computer Crime Unit. He has been Certified Forensic Computer Examiner (CFCE), since 1996 and has testified as an expert witness in state and federal court. McCoy serves as the Forensic Science Institute's Digital Evidence Program Administrator; his research interests include digital forensics, computer crime, the application of technology in law enforcement and law enforcement education and training.

CAITLIN PORTERFIELD received a B..S with honors in Biochemistry from the University of Oklahoma and an M.S. in Forensic Science with an emphasis in DNA analysis from the University of Central Oklahoma. Her thesis research focused on the genetic, microscopic and chemical evaluation of processed human hair extensions for their probative value in forensic casework. Currently, Porterfield is a Forensic Science instructor at UCO. Her courses focus on the forensic analysis of impression evidence to include firearms and toolmarks, fingerprints and tire tread/shoe print impressions.

MIA WHITE obtained her Bachelor of Arts in psychology from Oklahoma State University and her Master of Science in forensic science from the UCO Forensic Science Institute. She completed her graduate thesis research examining the dormant periods in serial homicide cases. White is currently employed as a crime scene investigator with the Edmond Police Department.

PRE-CONFERENCE WORKSHOPS

INTERDISCIPLINARY ARTS TRACK				
1 – 2:10 p.m.	Pre-Conference Workshops Welcome & Kick-Off <i>“Creating Common Ground through Undergraduate Research”</i> Nigh University Center (NUC) Ballrooms			
2:10 – 2:30 p.m.	Movement to Track Concurrent Sessions in the Mitchell Hall (MH) Building			
2:30 – 3:15 p.m.	Session Title: Introduction/Planning Session for Interdisciplinary Arts Track Presenters: Jonathan Edwards, Tina Kambour, Breck McGough, Jill Priest, Iliana Rocha and David Webber Location: MH Performance Hall			
3:15 – 3:25 p.m.	Break			
3:25 – 4:10 p.m.	Session Title: Film Presenter: David Webber, MFA Location: MH 211	Session Title: Creative Writing Presenter: Iliana Rocha, Ph.D. Location: MH 121	Session Title: Dance Presenter: Tina Kambour and Jill Priest, MFA Location: MH 218	Session Title: Music Presenter: Jonathan Edwards and Breck McGough Location: MH Performance Hall
4:10 – 4:20 p.m.	Break			
4:20 – 5:05 p.m.	Session Title: Film Presenter: David Webber, MFA Location: MH 211	Session Title: Creative Writing Presenter: Iliana Rocha, Ph.D. Location: MH 121	Session Title: Dance Presenter: Tina Kambour and Jill Priest, MFA Location: MH 218	Session Title: Music Presenter: Jonathan Edwards and Breck McGough Location: MH Performance Hall
5:05 – 5:15 p.m.	Break			
5:15 – 6 p.m.	Session Title: Culmination of Interdisciplinary Arts Track Presenters: Jonathan Edwards, Tina Kambour, Breck McGough, Jill Priest, Iliana Rocha and David Webber Location: MH Performance Hall			
6 – 6:20 p.m.	Movement to Interdisciplinary Arts Showcase in Mitchell Hall Theatre			
6:20 – 7 p.m.	Pre-Conference Workshops Closure & Send-Off <i>“Interdisciplinary Arts Showcase”</i> Mitchell Hall Theatre			

PRE-CONFERENCE WORKSHOPS

PRESENTERS:

JONATHAN EDWARDS is a graduate student in the UCO Master of Music program, studying Composition and Cello Performance programs. He has written, arranged and performed music for all types of genres, ensembles and productions around Oklahoma and the United States. He specializes in audio, lighting and video production technologies; data-driven instruments; environmental acoustics; and acoustic instrument and piano design and construction. He loves to push the boundaries of what is possible between the arts and sciences and find novel ways to collaborate between disciplines to spread the joys of knowledge, empathy and discovery.

TINA KAMBOUR is a faculty member in the Department of Dance at the University of Central Oklahoma. Her choreography, which has been commissioned for professional companies and universities, has been presented in Mexico, Canada and in the United States, including the Kennedy Center in Washington, D.C. She is a Certified Movement Analyst from the Laban/Bartenieff Institute of Movement Studies. From 1999-2008, she was a visiting faculty member at the New World School of the Arts in Miami, Florida. She has taught throughout the United States, Mexico, Northern Ireland and Guatemala.

BRECK MCGOUGH's award-winning scores have premiered at national and international film festivals. He studied both humanities and music at the University of Central Oklahoma, where he began scoring films for his classmates and writing music for dance. He has received commissions from DanceVisions, RACE Dance Company and the Oklahoma Contemporary Dance Festival. He is currently a graduate music student at the University of Central Oklahoma, where he studies composition with Composer-in-Residence, Samuel Magrill, DMA, and ventures into the mysterious realm of electronic music with L. Keith White, Ph.D..

JILL PRIEST earned a Master of Fine Arts in Dance from Texas Woman's University and serves as professor and assistant chair of the Department of Dance at the University of Central Oklahoma. Jill has worked as a passionate dance educator and choreographer for a wide variety of dance and theatre performances and events for the past 20+ years throughout Oklahoma and the region. Her work has been featured at the Performatica International Dance Festival, the American College Dance Association Conference and the Enid Symphony Orchestra Subscription Series among others.

ILIANA ROCHA earned her Ph.D. in English Literature and Creative Writing from Western Michigan University. Her work has been featured in the Best New Poets 2014 anthology, as well as The Nation, RHINO, Blackbird and West Branch. "Karankawa," her debut collection, won the 2014 AWP Donald Hall Prize for Poetry and is available through the University of Pittsburgh Press. She is currently an assistant professor of Creative Writing at the University of Central Oklahoma and lives with her two chihuahuas, Nilla and Beans.

DAVID WEBBER is an assistant professor of New Media at the University of Central Oklahoma where he teaches video, sound, installation and interactive art. Originally from the Philadelphia area, Webber received a BFA from Tufts University in Medford, Massachusetts and School of the Museum of Fine Arts, in Boston. His MFA in Electronic Integrated Arts was received from New York State College of Art and Design at Alfred University in Alfred, New York. As an artist, Webber works primarily with time-based media and interactive installations. In his spare time, he makes analog synthesizers and electro-acoustic music.



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PLENARY SPEAKERS

KAREEM ABDUL-JABBAR

Kareem Abdul-Jabbar is the NBA's all-time leading scorer and a six-time NBA champion. He is also one of a handful of influential and respected black men in America who has a national platform as a regular contributing columnist for The Washington Post and The Hollywood Reporter, where he shares his thoughts on some of the most socially relevant and politically controversial topics facing our nation today. After 50 years as an athlete, activist and New York Times bestselling author, he offers his perspectives as a nationally-recognized speaker who regularly appears on the lecture circuit. His new book, "Becoming Kareem" is an autobiographical account of his tumultuous spiritual and athletic journey from childhood through college and his first year in the NBA. It debuted November 2017.



His Emmy Award-winning HBO Sports documentary "Kareem: Minority of One" debuted as HBO's most-watched and highest-rated sports documentary of all time. Currently, Abdul-Jabbar serves as the chairman of his Skyhook Foundation whose mission is to "Give Kids a Shot That Can't be Blocked" by bringing educational STEM opportunities to underserved communities through innovative outdoor environmental learning. His most recent projects include an action mystery series, entitled "Mycroft Holmes" (Sherlock Holmes's savvy older brother), which is being developed into a series of novels and comic books by Titan Publishing.

Before President Obama left office in 2016, he awarded Abdul-Jabbar the nation's highest civilian honor, The Presidential Medal of Freedom.

Photo credit: Dan Winters

PLENARY SPEAKERS

RAMU DAMODARAN

Ramu Damodaran is Deputy Director for Partnerships and Public Engagement in the United Nations Department of Public Information's Outreach Division and is chief of the United Nations Academic Impact initiative, which aligns institutions of higher learning and research with the objectives of the United Nations and the states and peoples who constitute it. He is also the current secretary of the United Nations Committee on Information. His earlier posts with the organization have included the Departments of Peacekeeping and Special Political Questions, as well as the Executive Office of the Secretary-General.



Damodaran has been a member of the Indian Foreign Service, where he was promoted to the rank of Ambassador, and where he served as Executive Assistant to the Prime Minister of India as well as in the diplomatic missions in Moscow and to the United Nations, and in a range of national governmental ministries. He has been actively involved in mass media in India, including print, radio and television, and was a recipient of the Asia-Pacific Broadcasting Union award for the best radio documentary.

PLENARY SPEAKERS

COMMANDER JOHN HERRINGTON, PH.D.

Commander John Herrington, Ph.D. is an ambassador for the Chickasaw Nation and a former NASA astronaut who became the first Native American to walk in space during a shuttle Endeavour mission in 2002.

Herrington, a Navy veteran, joined NASA in 1996 assigned to both the shuttle and the International Space Station branches in support of guidance navigation and control systems. He was also assigned to the Flight Support Branch of the Astronaut Office where he served as a member of the Astronaut Support Team responsible for shuttle launch preparations. For his last assignment, he was assigned to lead the Chief Engineer for Shuttle and Mission Assurance (S&MA) at the Johnson Space Center. He was responsible for leading the S&MA engineering efforts in support of space shuttle and space station hardware and software integration and mission operations. Herrington flew on STS-113 (Nov. 23-Dec. 7, 2002), the 16th assembly mission to the International Space Station. STS-113 delivered the Expedition Six crew, supplies, and brought home the Expedition Five crew from their six-month stay aboard the station.

After retiring from the Navy and NASA in October 2005, Herrington completed his Ph.D. in Education at the University of Idaho. His research investigated the factors that motivate and engage Native American youth in STEM education. For the past eight years, Herrington has served as a judge and judge advisor for the FIRST (For Inspiration and Recognition of Science and Technology) Robotics Oklahoma Regional.

Herrington lives in Idaho with his family.



PLENARY SPEAKERS

CLAUDIA SAN PEDRO

Claudia San Pedro serves as President for the Oklahoma City-based national headquarters of SONIC®, America's Drive-In®. Her responsibilities include franchisee relations, supply chain, franchise sales and development, business planning and overseeing finance function. Most recently, San Pedro served the company as Executive Vice President and Chief Financial Officer.

San Pedro joined SONIC in 2006 as treasurer. She has also served as Vice President of Investor Relations since 2009. In that role, she directed financial planning, procurement and investment of funds for the organization and formulated investor relations strategy and oversaw communications with the investment community.

Prior to joining SONIC, San Pedro served as the Director for the Oklahoma Office of State Finance. Appointed by Governor Brad Henry in 2005, San Pedro was the first female and first Hispanic to serve as Director of State Finance (OSF) for Oklahoma. Before joining OSF and the Henry administration, San Pedro served as the Assistant Director of the Oklahoma State Senate fiscal staff and a staff budget analyst for the senate appropriations subcommittees on education, human services and general government. San Pedro is currently a volunteer board member of the Foundation for Oklahoma City Public Schools and Downtown OKC. She holds an undergraduate degree from Smith College in Massachusetts and an MBA from the University of Oklahoma.

Born in Mexico City, San Pedro resides in Oklahoma City with her family.



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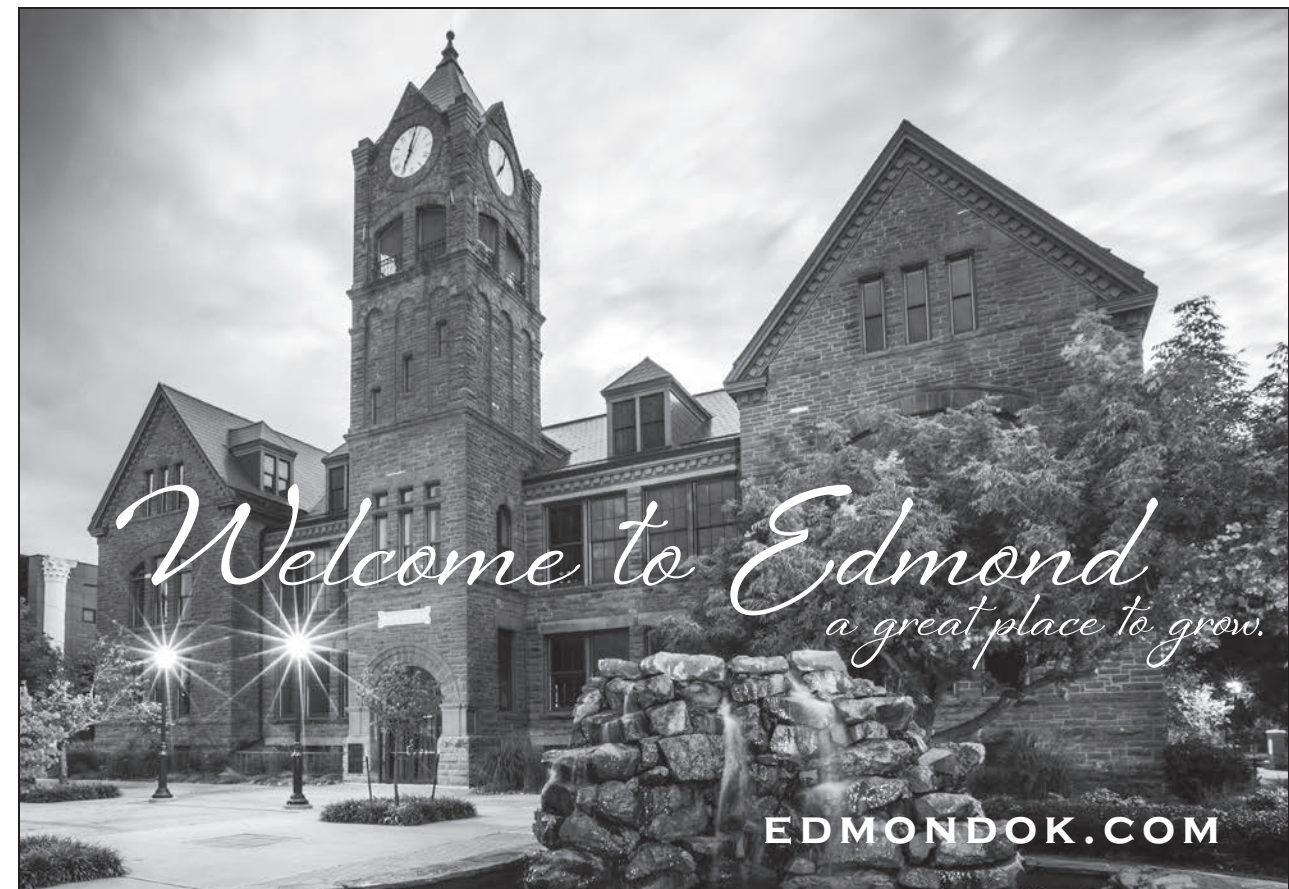
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 Virginia Commonwealth University School of Medicine
 Wayne State University
 West Texas A&M University
 West Virginia University
 Wilkes University
 Worcester Polytechnic Institute

OPEN HOUSES

ALL OPEN HOUSES ARE 4 – 6 P.M. THURSDAY, APRIL 5

COLLEGE OF FINE ARTS AND DESIGN – Krottinger Family Gallery, Mitchell Education Center
Overview of graduate programs found within the College of Fine Arts and Design

COLLEGE OF MATH AND SCIENCE – Howell Hall Atrium
Tour of facilities as well as focus on three academic centers:

- Center for Wildlife Forensics and Conservation Studies
- Center for Interdisciplinary Biomedical Education and Research
- Center for Research and Education in Interdisciplinary Computation

COLLEGE OF BUSINESS – Business 113
Overview of graduate programs found within the College of Business

COLLEGE OF EDUCATION AND PROFESSIONAL STUDIES – Education 101
Overview of the graduate programs found within the College of Education and Professional Studies

KINESIOLOGY AND HEALTH STUDIES – Wellness Center 125
Exercise Science Lab Tour

LABORATORY OF HISTORY MUSEUM – Evans Hall Mezzanine Level
Museum tour and overview of the graduate programs in History and Museum Studies

WOMEN'S RESEARCH CENTER AND BGLTQ+ STUDENT CENTER – Thatcher Hall 106
Open house and tour

OFFICE OF GLOBAL AFFAIRS – Nigh University Center 137
Open House to learn about programming efforts, study tours and cross cultural events at UCO

W. ROGER WEBB FORENSIC SCIENCE INSTITUTE - Atrium
Forensic Science Excellence: Opportunities and Initiatives for the 21st Century

SPECIAL INTEREST SESSIONS

Enhance your skills in a variety of areas by attending Special Interest Sessions. Topics range from “networking for nerds,” improving your resume development, successful strategies for scholarships and graduate school admission and more. Sessions are offered Thursday and Friday, April 5-6, in two blocks at 1 and 2 p.m. CUR will offer two additional sessions on Friday. Follow the schedule below.

THURSDAY, APRIL 5, 1-1:50 P.M.

HOW TO DEVELOP A WINNING RESUME OR CV EDUCATION BUILDING, ROOM 115

Most people know how to create a basic resume, but in this session, you will learn how to create a resume that separates you from the crowd. Need a Curriculum Vitae (CV)? We will also discuss CV creation, the differences between a resume and a CV, and when to use each option.

Presenters

Allison Gardner Career Counselor Northeastern State University	Kaylie Bradley Career Counselor Northeastern State University
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INCLUSION AND DIVERSITY STRATEGIES FOR STUDENT SUCCESS CHAMBERS LIBRARY, MAX ROOM, 4TH FLOOR

Discover strategies for increasing diversity, promoting inclusion and building community to support retention and success among students from underrepresented backgrounds. Panelists will discuss the challenges and opportunities that confront larger and smaller, public and private, research and comprehensive, and liberal arts institutions. They will share specific initiatives to increase inclusion and diversity on their campuses. Participants will learn about current and emerging best practices in inclusion and diversity work, share experiences and insights from their home campuses, pose questions, and share strategies and resources.

Moderator

Irissa B. Baxter
Oklahoma State University

Panelists

Russ Tallchief Oklahoma City University	Dr. Rodney Bates University of Oklahoma
--	--

Dr. J. David Macey
University of Central Oklahoma

MAKE YOURSELF A CONTENDER FOR PRESTIGIOUS NATIONALLY-COMPETITIVE SCHOLARSHIPS

EDUCATION BUILDING, ROOM 102

Applying for a prestigious national scholarship requires planning and preparation, often starting one to two years before an actual application is submitted. The President of the Goldwater Foundation Dr. John Mateja and Dr. Ed Galindo, a member of the foundation's Board of Trustees, will use the application process for the Goldwater program, a competitive national scholarship for sophomores and juniors interested in pursuing research careers in the natural sciences, mathematics and engineering, as an example of how to prepare and to apply for one of these scholarships. Dr. Galindo, who is Native American, and Dr. Mateja, who was a first-generation college student, will place particular emphasis on what students from underrepresented groups should do to make themselves more competitive for these awards.

Presenters

Dr. John Mateja
Goldwater Scholarship Foundation

Dr. Ed Galindo
Goldwater Scholarship Foundation

NETWORKING FOR NERDS: SHAKING HANDS WITH YOUR GOAL

BUSINESS BUILDING, ROOM 113

Research studies suggest that if you can maintain a professional network, you will have more job offers and advance quickly. Further, you will enjoy greater status and have more business opportunities. If you know the value of networking but dread actually doing it, this is the session for you. Stacy Eads, CEO of LEVANT Technologies, an award-winning website design firm whose business is dependent on networking, and Dr. Christy Vincent, Communication professor, will provide practical tips you can use immediately to begin networking. You will learn how to network with a purpose, use nonverbal strategies to read a room and select the best conversations to join, and follow up effectively after your networking efforts.

Presenters

Dr. Christy Vincent
Professor, Organizational Communication / Department of Mass Communication
University of Central Oklahoma

Stacy Eads
LEVANT Technologies, CEO

SUCCESSFUL GRADUATE/PROFESSIONAL SCHOOL ADMISSION STRATEGIES

EDUCATION BUILDING, ROOM 101

This presentation includes an overview of the following graduate/professional school admission topics: explanation of the application process, evaluation of graduate programs, graduate applications and supporting documents.

Presenter

Michael Heppler
Creation's Best, Educational Consulting Group
Oklahoma State University, Retired

THURSDAY, APRIL 5 2-2:50 P.M.

APPLYING TO GRADUATE SCHOOLS AS A FIRST GENERATION OR UNDERREPRESENTED STUDENT

EDUCATION BUILDING, ROOM 101

This session will help students from these groups prepare for the graduate school application process. Attendees and participants can expect to gain a better understanding of what is included and expected when applying to graduate school. The presenters will cover a wide range of topics, including how to get started, funding opportunities and application requirements. Presenters will also offer tips for applying based on their own personal and professional experiences.

Presenters

Breanna Faris (Cheyenne & Arapaho Tribes) Assistant Director, Student Life University of Oklahoma	Rosario Riley Director of McNair Scholars, Talent Search, Upward Bound Math Science University of Central Oklahoma
---	---

CREATING A STRONG ADMISSIONS ESSAY

EDUCATION BUILDING, ROOM 102

This session will be a review of specific strategies and steps to create a complete admissions essay for entry into graduate programs. The presenter will also cover the application process, recommendation letters and relationship development.

Presenter

Michael Heppler
Creation's Best, Educational Consultant Group
Oklahoma State University, Retired

ENTREPRENEURSHIP COUNTERFACTUALS – THINGS WHICH SEEM FALSE, BUT ARE TRUE

BUSINESS BUILDING, ROOM 113

Students often have misconceptions about starting a business. This session explores how these misconceptions can be turned around. Tips will be given on how students can find pathways to reach out and impact the world. For example, money is made on the buying end, not the selling end. Startups often try to control the price of products, but more often the price is already set by the market. By focusing on how the product is made, it increases the margin and chance of profit.

Presenters

Maurice W. Haff
University of Central Oklahoma

Brad Rickelman
Meridian Technology Center for Business Development

TIPS & TRICKS FOR WRITING A LITERATURE REVIEW

CHAMBERS LIBRARY, MAX ROOM, 4TH FLOOR

A literature review synthesizes and summarizes existing knowledge and published research, including expert arguments and conclusions. Students need to develop advanced research skills and search strategies to conduct a comprehensive analysis of research on a specific topic. Victor Baeza and Jean Longo will provide students with information on how to conduct a literature review. They will include helpful tools and techniques to navigate library resources.

Presenters

Victor Baeza
Director, Library Graduate Services
Oklahoma State University

Jean Longo
Research and Learning Librarian
University of Central Oklahoma

FRIDAY, APRIL 6, 1-1:50 P.M.

BENEFITS AND CHALLENGES OF STUDENT PUBLICATIONS

CHAMBERS LIBRARY, MAX ROOM, 4TH FLOOR

The benefits and challenges of undergraduate students publishing their work will be enthusiastically debated. These challenges include lack of funding and resources for research

and writing, among other issues. Overall, this panel will provide a synopsis of the benefits, challenges, and solutions for respective student publications.

Presenters

Dr. Linda Mason
Coordinator of Grantsmanship, Oklahoma State Regents for Higher Education
OSRHE Representative of the "Oklahoma Journal of Undergraduate Research"

Dr. Mark Harvey
Experimental Psychologist, University of North Carolina at Asheville
Editor-in-Chief for the "UNC Asheville Journal of Undergraduate Research," a campus journal

Nick Pernik
Neuroscience Senior at Austin College, Sherman, Texas
Senior Research Editor of "Journal of Young Investigators"

Brendon Yuill
Graduate Student, University of Central Oklahoma
Associate Publishing Editor New Plains Student Publishing
Editor-in-Chief "1890: A Journal of Undergraduate Research"

HOW TO BE A COMPETITIVE APPLICANT FOR MEDICAL, DENTAL AND PHYSICIAN ASSISTANT SCHOOLS

EDUCATION BUILDING, ROOM 102

It takes more than a high MCAT/DAT/GRE and 4.0 GPA to get into medical, dental and physician assistant graduate programs. We will discuss the unwritten characteristics and attributes that these programs are looking for when they decide to whom to offer the much sought-after acceptance letter. The topics to be discussed include volunteering and shadowing, campus involvement, interview skills, personal statements and research opportunities.

Presenters

Dr. Caroline Bentley
University of Central Oklahoma

Terryl Berryman
Oklahoma School for Science and Mathematics

PANEL DISCUSSION WITH AMERICAN PHYSIOLOGY SOCIETY PROFESSIONALS

EDUCATION BUILDING, ROOM 101

The developmental, psychological and neurological fields of biology are making ground-breaking discoveries at a rapid pace. In this session, professionals in the American Physiological Society (APS) will share their educational pathways and recommendations for undergraduate students thinking of pursuing a career in this area.

Moderator

Bessie M. Guerrant
Associate Director & CUR URPD Counselor
University of Kentucky

THE NSF GRADUATE RESEARCH FELLOWSHIP PROGRAM (GRFP): GETTING THE MOST OUT OF YOUR UNDERGRADUATE RESEARCH EXPERIENCE AND OBTAINING FINANCIAL SUPPORT FOR GRADUATE SCHOOL

EDUCATION BUILDING, ROOM 115

The National Science Foundation GRFP is the nation's oldest and most established fellowship program that directly supports students in various Science, Technology, Engineering and Mathematics (STEM) fields. Since 1952, NSF has provided funding for over 50,000 Graduate Research Fellowships. To date, 42 Fellows have gone on to become Nobel laureates and more than 450 have become members of the National Academy of Sciences. Undergraduates are highly encouraged to apply. If awarded, this fellowship provides \$34,000 per year for three years and a cost-of-education allowance of \$12,000 to the graduate degree granting institution. In this session, you will be provided with an overview on what it takes for an undergraduate to apply and be awarded a GRFP.

Presenter

Dr. Michael Thompson
Director of Broader Impacts in Research
University of Oklahoma

FRIDAY, APRIL 6, 2-2:50 P.M.

BROADENING PARTICIPATION WITHIN THE NSF REU PROGRAM

EDUCATION BUILDING, ROOM 102

The National Science Foundation funds opportunities for undergraduate students to conduct meaningful scientific inquiry through its Research Experiences for Undergraduates (REU) program. The program aims to immerse students in research experiences within disciplines that include Science, Technology, Engineering and Mathematics (STEM). Such grants often

recruit students from diverse backgrounds who may end up doing research in regions across the world. An REU Principal Investigator will address recruiting students to work in an international research setting, as well as describing opportunities for high school students and teachers through the Research Assistantships for High School Students and Research Experiences for Teachers programs, respectively.

Presenter

John F. Barthell, Ph.D.
Provost/Vice President Academic Affairs
University of Central Oklahoma

EXAMINING THE GRADUATE SCHOOL APPLICATION PROCESS FOR BUSINESS AND LAW SCHOOLS

BUSINESS BUILDING, ROOM 113

This session will examine issues related to preparing for the application process for graduate schools, particularly for entrance into Business and Law Schools.

Presenters

Jennifer Barger Johnson, J.D.
Professor of Legal Studies and Copyright Compliance Officer
University of Central Oklahoma

Victoria McKee, Ph.D.

Assistant Professor of Management
University of Central Oklahoma

TALK THE SKILLS TO PAY YOUR BILLS: INTERVIEWING LIKE A PRO

EDUCATION BUILDING, ROOM 115

"Tell me about yourself." "What are your weaknesses?" Many people dread the thought of participating in an interview. Participants will learn best practices to succeed in an interview, including preparation tips, effective answers, follow up and more. Win over professional employers and graduate/medical schools and learn how to convince them to choose you.

Presenter

Lawrence Richardson
Career Coordinator
Oklahoma State University

USE YOUR UNDERGRADUATE EXPERIENCES TO STRENGTHEN YOUR GRADUATE SCHOOL APPLICATION

CHAMBERS LIBRARY, MAX ROOM, 4TH FLOOR

In this roundtable discussion, you will hear directly from current graduate students who participated in undergraduate research and presented at past NCUR events. They will discuss how engaging in undergraduate research transformed them from both a personal and professional perspective and helped to prepare them for graduate school. The graduate students will also reflect how their participation in past NCUR and discipline-specific professional conferences helped them get accepted and succeed in graduate school.

Moderator

Dr. Mel Vaughan
Professor
University of Central Oklahoma

Graduate Students

Ana Chicas-Mosier
Bridge to Doctorate Fellow,
Oklahoma State University
Ph.D. Candidate in Integrative Biology

Edith Ritt-Coulter
Master Student in History specializing
in the African Diaspora and Gender Studies
University of Central Oklahoma

Lauren N. Ross
Graduate Teaching Assistant
Master Student in Art History,
University of Oklahoma

Adrian A. Saenz
Bridge to Doctorate Fellow,
Oklahoma State University
Master Student in Biosystems Engineering

ADDITIONAL SESSIONS OFFERED BY CUR

STUDENT RESOURCES CENTER

9-11 A.M. AND 12:30-3 P.M. FRIDAY, APRIL 6

CENTER FOR TRANSFORMATIVE LEARNING, ROOM 106

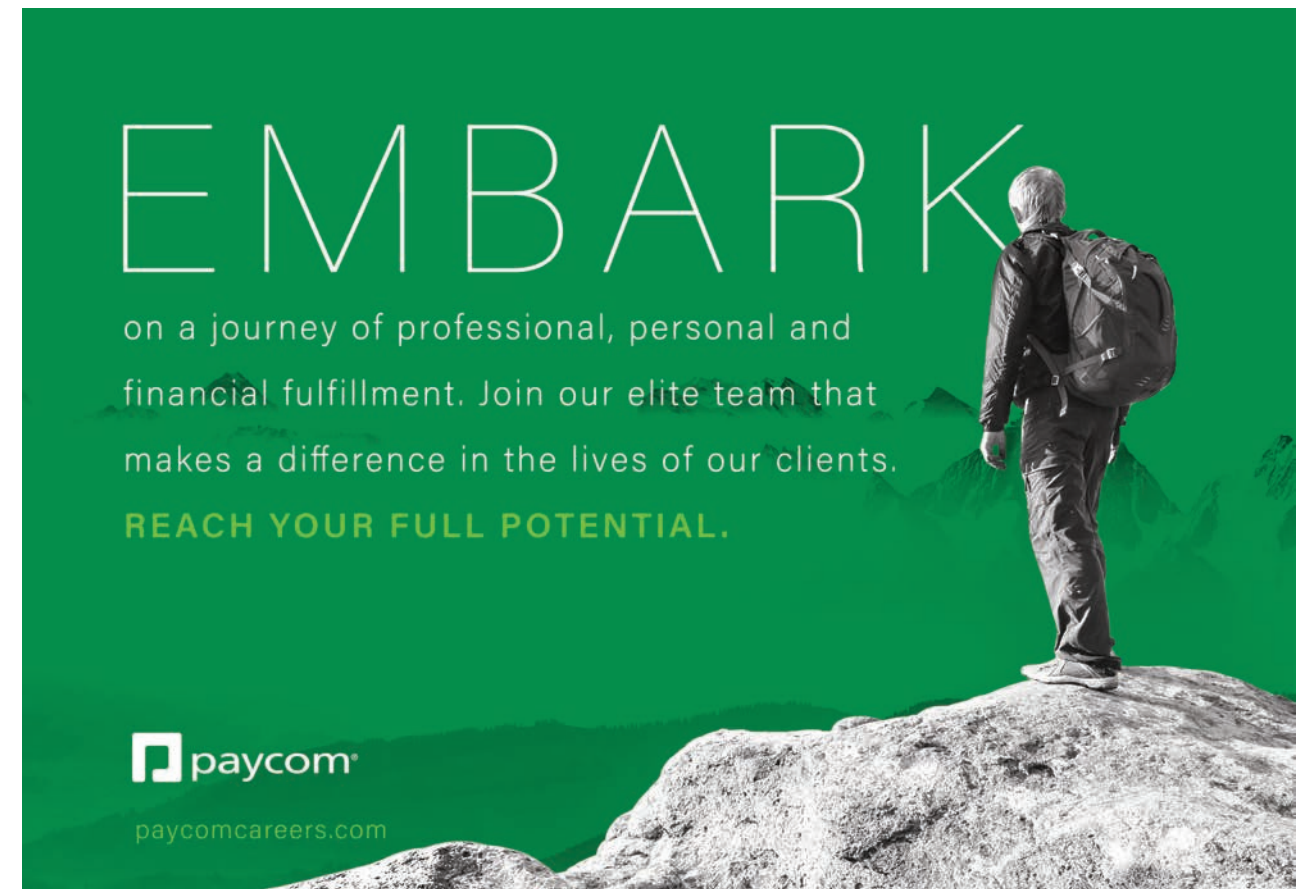
Members of the CUR Student Programs Task Force will be available to meet with students to offer resources and expertise on a variety of topics, including resume/CV writing and critiquing (bring your resume for review), how to do an effective poster or oral presentation, how to write a cover letter, how to network, plus other student-identified areas. All students are encouraged to stop by the center for any assistance, mentoring and guidance.

INTERACTIVE STUDENT FORUM ON LEARNING

3:30-5 P.M. FRIDAY, APRIL 6

CENTER FOR TRANSFORMATIVE LEARNING, ROOM 106

Members of the CUR Student Programs Task Force will host an interactive student forum on assessing the impact of NCUR 2018 on their learning. All students are invited to participate in this forum.






The Revolution



Mavis Staples

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FRIDAY, APRIL 6, Bricktown District, Oklahoma City

Shuttles depart from UCO 3:30-6:30 p.m. See Transportation pages for more information.

The Academy of Contemporary Music at UCO (ACM@UCO) invites you to join them in a takeover of Oklahoma City’s Bricktown entertainment district for an unforgettable evening of music. Now in its ninth year, the ACM@UCO’s Metro Music Fest features performances by the talented students studying at the academy alongside headlining acts from throughout the country. Headlining this year’s festival are Prince’s iconic band THE REVOLUTION and legendary singer MAVIS STAPLES.

The Revolution, composed of Wendy Melvoin, Lisa Coleman, Bobby Z, BrownMark and Dr. Fink, is best known as the band behind Prince. The Revolution have two No. 1 Billboard 200 albums – “Purple Rain” and “Around the World in a Day” – and multiple No. 1 singles. The band also has won three Grammys and three American Music Awards. After Prince’s death in 2016, the band remained united to continue to play in his honor. “Only by playing for you, the fans, can we be Prince’s Revolution,” the band stated in its official biography. “He gives us to one another now, as we all start to heal and fill forever emptiness with sound. Together, we are The Revolution.”

Two-time Grammy winner, Rock and Roll Hall of Fame inductee and civil rights icon Mavis Staples brings soul and gravitas to the festival this year. Mavis and her five-person band move fluidly between the gospel, soul, rock, rhythm-and-blues and country genres of the American roots music she helped pioneer with her family band, The Staple Singers. She was recognized as a 2016 Kennedy Center Honoree, is a Grammy Lifetime Achievement Award recipient and has been honored by the Berklee College of Music and Columbia College Chicago with honorary doctorate degrees.

Her 2017 album, the critically-acclaimed “If All I Was Was Black” (ANTI-), is her third collaboration with songwriter and producer Jeff Tweedy of Wilco. The album is the first for which Tweedy composed an entire album of original songs for Mavis’ legendary voice. “Bring us all together as a people, that’s what I hope to do,” Staples said of the songs on her new album. “You can’t stop me. You can’t break me, I’m too loving. These songs are going to change the world.”

“The Revolution and Mavis Staples are representative of everything that is right with the music industry,” said Scott Booker, CEO of ACM@UCO. “These are artists that cross musical boundaries of soul, rock, pop and dance, as well as being representative of who we are as an American people. The Revolution and Mavis Staples are shining examples of how great it is when creative people collaborate and bend the rules, and ACM is proud to bring these incredible artists to Oklahoma for Metro Music Fest.”

Check out the complete lineup of artists performing at the festival, as well as start times and venues, at acm.uco.edu/metro-music-fest.

EXCURSIONS

Discover the exciting sights, unheard sounds and ultimate surprises Oklahoma has to offer. Make a splash at the RIVERSPORT Adventures, get your kicks on Route 66 or revel in our deep-rooted Native American history. Tap your boots in Stockyard City, take in our rich western heritage or walk the sacred grounds at the Oklahoma City National Memorial. Let DESTINATION OKLAHOMA be your guide to our most famous, fascinating and sometimes forgotten treasures. You'll learn it's a land of sass, spirit and soul.

A WALK ON THE WILD SIDE (\$59)

SATURDAY, APRIL 7, 12:30 to 5:30 p.m.

Adventure is waiting for you in northeast Oklahoma City. The Adventure District is home to some of the most outstanding tourist attractions in the state. Experience an internationally renowned collection of Western art and artifacts at the NATIONAL COWBOY & WESTERN HERITAGE MUSEUM. The museum is home to a permanent collection of over 2,000 paintings and sculptures that paint a picture of the West. Next, take a walk on the wild side at the OKLAHOMA CITY ZOO, one of the nation's top zoological parks with a diverse animal collection of 459 species and approximately 1,401 animals, as well as a new state-of-the-art animal hospital.

CHICKASAW COUNTRY (\$55)

SATURDAY, APRIL 7, 12:30 to 7:30 p.m.

Head out to Sulphur, Oklahoma and immerse yourself in Native American culture. The CHICKASAW CULTURAL CENTER tells a story of the individuals and families who have struggled, fought and thrived across generations to make Chickasaws the united and unconquerable people they are today. The Chickasaw Cultural Center is a cultural home and embodiment of the Chickasaw Nation's legacy. Take a stroll through the picturesque CHICKASAW NATIONAL RECREATION AREA and enjoy the invigorating scenery. Next, satisfy your sweet tooth with a tour of the BEDRE CHOCOLATE factory. The Chickasaw Nation is the only tribe to create its own brand of fine chocolates. Their recipes are tried and true and reflect the time-honored tradition of the Native American peoples who first cultivated this divine delicacy.

GLASS MASTERS (\$55)

SATURDAY, APRIL 7, 12:30 to 5:30 p.m.

Indulge in local art with a tour of BLUE SAGE STUDIOS, a full-service glass blowing studio specializing in the production of art glass, vases, bowls and sculpture. Blue Sage Studios offers glassblowing lessons, demonstrations, lampworking (bead making) and art glass for sale. With a love of teaching and a love of glass, guests will witness glass blowing and learn the process. Then, head to the OKLAHOMA CITY MUSEUM OF ART, located in the heart of Downtown Oklahoma City's Arts District. The museum is home to an extensive permanent collection of European and American art, including the most comprehensive collection of Dale Chihuly glass in the world.

EXCURSIONS

TRAIL OF REMEMBRANCE (\$65)

SATURDAY, APRIL 7, 12:30 to 5:30 p.m.

Begin the tour by taking a step back in time to the Wild West. Visit the NATIONAL COWBOY & WESTERN HERITAGE MUSEUM and experience an internationally renowned collection of Western art and artifacts. The Museum is home to a permanent collection of over 2,000 paintings and sculptures that paint a picture of the West. Next, experience the OKLAHOMA CITY NATIONAL MEMORIAL & MUSEUM which was created to honor those who were killed, those who survived and those changed forever by the 1995 bombing of the Alfred P. Murrah Federal Building in Oklahoma City. The memorial and museum are dedicated to educating visitors about the impact of violence, informing about events surrounding the bombing, and inspiring hope and healing through lessons learned by those affected.

RIVERSPORT ADVENTURES (\$89)

SATURDAY, APRIL 7, 12:30 to 5:30 p.m.

The Boathouse District along the Oklahoma River offers beautiful views of the Oklahoma City skyline and a chance to get active! RIVERSPORT Adventures offer plenty of fun on and off the water. Thrill-seekers will be able to climb the six-story SANDRIDGE SKY TRAIL & SLIDE, an 80-foot adventure course to be climbed while safely fastened in with a harness. Getting down requires sliding down the Sky Slide or dropping via the Rumble Drop. RIVERSPORT RAPIDS is the 11-acre whitewater rafting and kayaking center. You can also test your strength on the rock walls, kayaks, stand up paddleboards and more! When you work up an appetite, refuel at the Big Water Grill and enjoy some local favorites!

Also, separate of NCUR 2018, our partners at Destination Oklahoma will have two tours available on Thursday, April 5:

- 1 p.m. **A Moment in Time**
- 6 p.m. **A Moment in Time Illuminated**

Both are exclusive tours offered at the Oklahoma City National Memorial & Museum. Tickets can be purchased at www.okctours.com.

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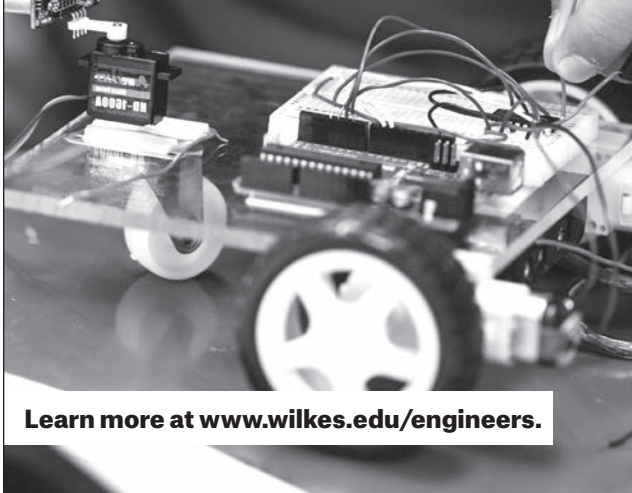
Formatting for papers:

- * Double-spaced, 12 pt. Times New Roman
- * Pages should not be numbered
- * References in APA format
- * Figures & images must be well-labeled and referenced in the text.
- * All figures should be included in the article document.
- * All tables should be included in the article document.
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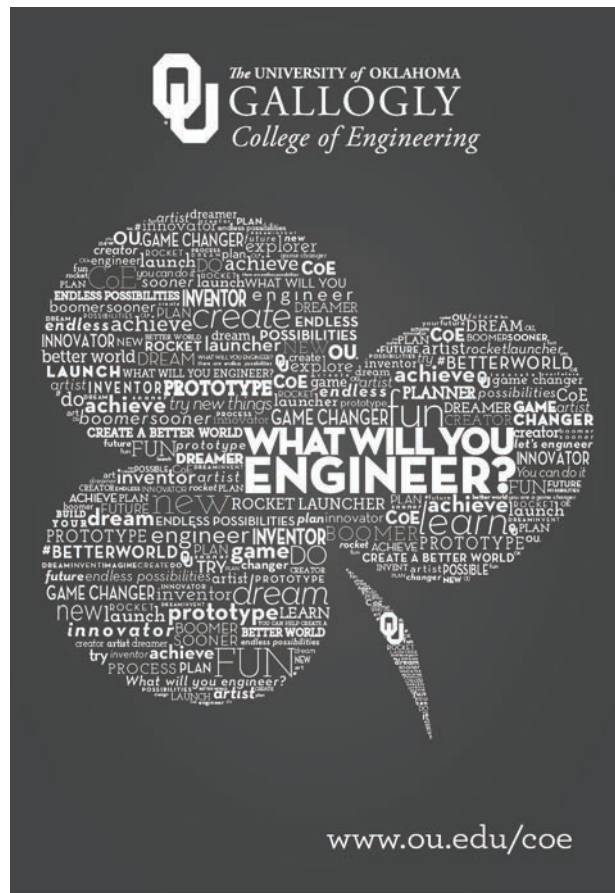
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FACULTY ADMINISTRATOR NETWORK (FAN) ORAL SESSIONS

FAN ORAL SESSION 1 - THU
12:00PM-12:50PM

OLD NORTH 205 - FAN

12:00-12:50 p.m.

A Discussion About Curriculum Design and Coursework: How a Sophomore-Level Research Class Has Larger Implications for Undergraduate Research Opportunities Outside of the Classroom

CRYSTAL BICKFORD, Southern New Hampshire University

OLD NORTH 206 - FAN

12:00-12:50 p.m.

Bandwidth Recovery: Working with Low-Income and Non-Majority Students

Cia Verschelden, University of Central Oklahoma

OLD NORTH 207 - FAN

12:00-12:50 p.m.

Broadening Participation: The Perspective of an REU PI

John Barthell, University of Central Oklahoma

OLD NORTH 208 - FAN

12:00-12:50 p.m.

Creating a Biofilm-themed Interdisciplinary Undergraduate Research Program at a PUI

Christopher Wentworth, Doane College

OLD NORTH 211 - FAN

12:00-12:50 p.m.

Transdisciplinary Undergraduate Research In Costa Rica: 5 Week Faculty Led Study Abroad Model

Sara Shuger Fox, Central College

FAN ORAL SESSION 2 - FRI
7:40AM-8:30AM

EDUCATION BUILDING 115 - FAN

7:40-8:30 a.m.

Undergraduate Research and Discipline-Specific Applications of Cognitive Science

Samuel Lawrence, University of Central Oklahoma

OLD NORTH 205 - FAN

7:40-8:30 a.m.

"Steps Toward Success: Implementing Undergraduate Research and Creative Opportunities in the Oklahoma Regional University System"

Jennifer McMahon, East Central University

OLD NORTH 206 - FAN

7:40-8:30 a.m.

Bridging the Divide with Classroom Based Undergraduate Research Experiences That Explore the Effects of Genetic Variation

Moriah Beck, Wichita State University

OLD NORTH 207 - FAN

7:40-8:30 a.m.

Broadening Research Diversity at a Medium-sized Teaching Institution

Flona Redway, Barry University

OLD NORTH 208 - FAN

7:40-8:30 a.m.

Faculty-mentored Undergraduate Research: a Qualitative Examination of Its Influence on Student Engagement and Academic Achievement

Michael Nichols, Northern Arizona University

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FACULTY ADMINISTRATOR NETWORK (FAN) ORAL SESSIONS

OLD NORTH 211 - FAN

7:40-8:30 a.m.

Internationalizing Undergraduate Research Through the Staging of the First World Congress on Undergraduate Research

Maher Khelifa, Qatar University

FAN ORAL SESSION 3 - FRI

12:30PM-1:20PM

OLD NORTH 205 - FAN

12:30-1:20 p.m.

“Yes, We Are Open: Challenges and Opportunities in Opening an Office of Undergraduate Research and Creative Activity”

David Salomon, Christopher Newport University

OLD NORTH 206 - FAN

12:30-1:20 p.m.

A Flexible Approach to Incorporating Authentic Research Experiences into the Introductory Life-Science Curricula

Donald French, Oklahoma State University

OLD NORTH 207 - FAN

12:30-1:20 p.m.

Developing a Foundation for International Undergraduate Research Cooperation: A Discussion

Michael Reiter, Bethune Cookman College

OLD NORTH 211 - FAN

12:30-1:20 p.m.

Undergraduate Research Magicians

Amanda Evert, Southwestern Oklahoma State University

FAN ORAL SESSION 4 - SAT

7:40AM-8:30AM

OLD NORTH 205 - FAN

7:40-8:30 a.m.

“Superlabs”: Experimental Laboratory Courses for Enhanced Biology Research Experiences

Kyle Selcer, Duquesne University

OLD NORTH 207 - FAN

7:40-8:30 a.m.

Incorporating Undergraduate Research and Employee Wellness in the Classroom: A Sit-to-Stand Workstation Intervention

Larissa Boyd, University of Central Oklahoma

OLD NORTH 208 - FAN

7:40-8:30 a.m.

Integrating Global Learning and Undergraduate Research into a Liberal Arts International Studies Curriculum: Evidence of Success and Challenges to Consider

Aaron Boesenecker, American University

OLD NORTH 211 - FAN

7:40-8:30 a.m.

The Measurement of Student Transformative Learning at an Institutional Level

Mark Walvoord, University of Central Oklahoma

STUDENT PERFORMING ARTS SESSIONS

STUDENT PERFORMING ARTS
SESSION 1 - THU 10:45AM-11:45AM

CENTER FOR TRANSFORMATIVE
LEARNING - RADKE FINE ARTS
THEATRE

Music

10:45-11:05 a.m.

Determining Effective Methods of Teaching Beginning String Players of Differing Ages

Brian Dunagan, University of Central Oklahoma

11:05-11:25 a.m.

Thematic Development and Analysis of “Nocturno Op. 7 for Horn in F” by Franz Strauss

Katherine Hood, Appalachian State University

Music Performance

11:25-11:45 a.m.

Arabian Nights

Chengcheng Zhu, University of Central Oklahoma

HEALTH AND PHYSICAL
EDUCATION 204

Dance Choreography and Performance

11:05-11:25 a.m.

LUSHROE: Movement Sourced from Life Under the Female Gaze

Mia Martelli, State University of New York-Brockport

STUDENT PERFORMING ARTS
SESSION 2 - THU 1:00PM-2:00PM

HEALTH AND PHYSICAL
EDUCATION 204

Dance Choreography and Performance

1:20-1:40 p.m.

Started Starting to Start: An Exploration of Movement Incentives

Emily Conn, State University of New York-Brockport

MITCHELL EDUCATION CENTER
211

Art & Society

1:00-1:20 p.m.

Udea: Fairytales and Human Trafficking

Dylan Carter, Kennesaw State University

STUDENT PERFORMING ARTS
SESSION 3 - THU 2:20PM-3:20PM

CENTER FOR TRANSFORMATIVE
LEARNING - RADKE FINE ARTS
THEATRE

Music Performance

2:20-2:40 p.m.

A Flaw in Our DNA

Chris Prather, University of Central Oklahoma

2:40-3:00 p.m.

Horns “Dancing on a Hill”

Zachary Anderson, University of Central Oklahoma

HEALTH AND PHYSICAL
EDUCATION 204

Dance Choreography and Performance

3:00-3:20 p.m.

Empty Vessels: Zombies in Their Lore Versus Zombies Today

Alexis Hendrix, University of Central Oklahoma

MITCHELL EDUCATION CENTER
211

**Interdisciplinary Performing Arts
Performance**

2:20-2:40 p.m.

Back at Home Project: Stories of Veterans in Transition

Arielle Simmons, Kennesaw State University

STUDENT PERFORMING ARTS SESSIONS

STUDENT PERFORMING ARTS SESSION 4 - THU 3:40PM-4:40PM

HEALTH AND PHYSICAL EDUCATION 204

Dance Choreography and Performance 4:20-4:40 p.m.

Shades of Bereavement

Lacy Altstatt, University of Central Oklahoma

MITCHELL EDUCATION CENTER 211

Diversity Studies

3:40-4:00 p.m.

How the Traditional Game of Stickball Is Played

Jared Greenwood, University of Central Oklahoma

STUDENT PERFORMING ARTS SESSION 5 - FRI 8:30AM-9:30AM

CENTER FOR TRANSFORMATIVE LEARNING - RADKE FINE ARTS THEATRE

Music

8:30-8:50 a.m.

A Study of Simon Steen-Anderson's Composition, "De Profundis," for Unaccompanied Saxophone Also Playing Percussion

Jonathan Steltzer, Kennesaw State University

8:50-9:10 a.m.

Post-Impressionism and Debussy's Children's Corner

Gabriel Van Ness, University of Central Oklahoma

9:10-9:30 a.m.

Waltz Versus the French Suite

Stephane Philippeaux, Bridgewater State University

MITCHELL EDUCATION CENTER 211

Poetry & Creative Writing

8:30-8:50 a.m.

Muslim and Minority Victimizations in the Current Sociopolitical Climate

Hiba Cheema, University of Central Oklahoma

STUDENT PERFORMING ARTS SESSION 6 - FRI 9:45AM-10:45AM

HEALTH AND PHYSICAL EDUCATION 204

Dance Choreography and Performance

10:25-10:45 a.m.

The Exploration of Dynamic Attractiveness Through Dance Movement

Isaiah Harris, State University of New York-Brockport

MITCHELL EDUCATION CENTER 211

Theatre/Drama

9:45-10:05 a.m.

A Lifetime of Being Female

Olivia Wells, University of Central Oklahoma

STUDENT PERFORMING ARTS SESSION 7 - FRI 1:30PM-2:30PM

CENTER FOR TRANSFORMATIVE LEARNING - RADKE FINE ARTS THEATRE

Music

1:50-2:10 p.m.

Charles Ives and Musical Borrowing in the Creation of His "114 Songs"

Lillian Wright, Jacksonville University

STUDENT PERFORMING ARTS SESSIONS

Music Performance

1:30-1:50 p.m.

Aesthetic Values of the Baroque Period vs. Today (Why Does Historical Music Sound "Bad"?)

Alyson Byers, University of Central Oklahoma

2:10-2:30 p.m.

Melancholy Music: Performers' Approach to Mentally Unstable Romantic Composers and Their Works

Hannah Bythrow, Eastern Connecticut State University

HEALTH AND PHYSICAL EDUCATION 204

Dance

2:10-2:30 p.m.

The Day Everything Changes

Linda Pope, University of Central Oklahoma

STUDENT PERFORMING ARTS SESSION 8 - FRI 2:45PM-3:45PM

HEALTH AND PHYSICAL EDUCATION 204

Dance Choreography and Performance

3:25-3:45 p.m.

[Hollow]

Bailey Smith, University of Central Oklahoma

MITCHELL EDUCATION CENTER 211

Theatre/Drama

2:45-3:05 p.m.

Grief and the Healing Power of Theatre

Emily Bond, University of Central Oklahoma

STUDENT PERFORMING ARTS SESSION 9 - FRI 4:00PM-5:00PM

CENTER FOR TRANSFORMATIVE LEARNING - RADKE FINE ARTS THEATRE

Music

4:40-5:00 p.m.

The Mental and the Musical in the Art of Violin Playing

Antonique Burnett, Eastern Illinois University

Music Performance

4:00-4:20 p.m.

Group Learning Using Clavinovas (YAMAHA Digital Keyboards) Versus Individual Learning at an Acoustic Piano – A Comparative Study

Chenxi Li, University of Central Oklahoma

HEALTH AND PHYSICAL EDUCATION 204

Dance

4:40-5:00 p.m.

Fortitude

Sneha Rajan, University of Kentucky

MITCHELL EDUCATION CENTER 211

Theatre/Drama

4:00-4:20 p.m.

The Elephant Man: A Look at Making Bold Acting Choices

Riley Turner, University of Central Oklahoma

STUDENT PERFORMING ARTS SESSIONS

STUDENT PERFORMING ARTS SESSION 10 - SAT 8:30AM-9:30AM

CENTER FOR TRANSFORMATIVE
LEARNING - RADKE FINE ARTS
THEATRE

Music Performance

8:30-8:50 a.m.

Korean Samul Nori

Hannah Nilsson, Eastern Connecticut State University

8:50-9:10 a.m.

*The Manner of Ornamentation in Baroque
Keyboard Playing*

Tanja Knezevic, University of Central Oklahoma

9:10-9:30 a.m.

Take, O Take Those Lips Away

Han Gao, University of Central Oklahoma

MITCHELL EDUCATION CENTER
211

Theatre/Drama

8:30-8:50 a.m.

*The UCO Labyrinth: A Site for Inner Reflec-
tion, Social Change, and Transformative
Learning*

Hannah Stevens, University of Central Oklahoma

8:50-9:10 a.m.

*Playing the Play: How We Wrote a Play by
Playing Games*

Cory Fitzsimmons, University of Wisconsin - Milwau-
kee

STUDENT VISUAL ARTS EXHIBIT SESSIONS

STUDENT VISUAL ARTS EXHIBIT SESSION 5 - FRI 8:30AM-9:30AM COMMUNICATIONS BUILDING 211

Art & Society

8:50-9:10 a.m.

How Can Botany Influence Printmaking?

Mikaela Leonzio, Slippery Rock University of Penn-
sylvania

9:10-9:30 a.m.

Human Migration Trauma By Boat

Nina Nguyen, University of Central Oklahoma

COMMUNICATIONS BUILDING 213

Visual Arts

8:30-8:50 a.m.

*(con)Struere : a Construction of Deductions on
the Encounters of Every Day Life*

Laurie De Jesús, University of Puerto Rico - Rio Pie-
dras Campus

8:50-9:10 a.m.

*A Mytho-Historical Approach to Contemporary
Artist's Books*

Vanessa Lopez, Eastern Illinois University

COMMUNICATIONS BUILDING 214

Visual Arts

8:30-8:50 a.m.

In Light of Space

Lena Leuci, Truman State University

9:10-9:30 a.m.

Nostalgia, Spirituality, Loss and Routine.

Chris Schultz, University of Central Oklahoma

STUDENT VISUAL ARTS EXHIBIT SESSION 6 - FRI 9:45AM-10:45AM COMMUNICATIONS BUILDING 211

Art & Society

9:45-10:05 a.m.

Inner Turmoil Through Landscape

Devon Variano, Jacksonville University

10:05-10:25 a.m.

Music for Peace II: Visible Representation

Chalyn Edson, University of Central Oklahoma

COMMUNICATIONS BUILDING 213

Visual Arts

9:45-10:05 a.m.

Beauty Is Ageless

Connor Henderson, Western Carolina University

10:05-10:25 a.m.

*Composing Representation; Toxic Relation-
ships as Visual Art*

Serena Johnson, University of Wisconsin - Whitewater

10:25-10:45 a.m.

*Crossroads: Intersection of Ceramics and
Sculpture*

Shveta Agarwal, Minnesota State University, Mankato

COMMUNICATIONS BUILDING 214

Visual Arts

9:45-10:05 a.m.

Painting with Fire

Casey Beck, University of Wisconsin - River Falls

10:05-10:25 a.m.

*States of the Body Through Contemporary
Painting*

Liz Moore, University of Kentucky

STUDENT VISUAL ARTS EXHIBIT SESSIONS

10:25-10:45 a.m.

Stories in Stone and Glass: Mythology and Mosaic

Kayla Wright, Western Carolina University

COMMUNICATIONS BUILDING 216

Art History

9:45-10:05 a.m.

Black Letter Typography: Historical and Contemporary Design

Aurelia Tauscher, Eastern Illinois University

10:05-10:25 a.m.

Visual Art History

Zachary Rutter, Slippery Rock University

STUDENT VISUAL ARTS EXHIBIT SESSION 7 - FRI 1:30PM-2:30PM

COMMUNICATIONS BUILDING 211

Art & Society

1:50-2:10 p.m.

The Future of American Currency Through Improved Artistic and Security Elements

Kristen Pack, Georgia College and State University

2:10-2:30 p.m.

The Universe Under a Microscope

Claire Chabot, University of South Carolina - Columbia

COMMUNICATIONS BUILDING 213

Visual Arts

1:30-1:50 p.m.

Ethics and Technology Through Art

Stuart Balius, Westmoreland County Community College

1:50-2:10 p.m.

Living as a Woman: an Examination and Critique of the Feminine Through Art

Emily Anderson, Hamline University

2:10-2:30 p.m.

Macro/Micro

Kevin O'Leary, University of West Florida

COMMUNICATIONS BUILDING 214

Visual Arts

1:30-1:50 p.m.

The Places and People of Oklahoma DIY Explored Through Methods of Experimental Documentary Filmmaking.

Jacob Jones, University of Central Oklahoma

1:50-2:10 p.m.

Three-dimensional Art and Metallurgy

Timothy Brown, Cameron University

2:10-2:30 p.m.

Traditional Japanese Tea Vessels In Contemporary Art

Michael May, University of Central Oklahoma

COMMUNICATIONS BUILDING 216

Film/Photography Studies

1:30-1:50 p.m.

The Impact of the Liberal Arts: Multimedia Student Stories

Ashley Alex, The College of St Catherine

STUDENT VISUAL ARTS EXHIBIT SESSION 8 - FRI 2:45PM-3:45PM

COMMUNICATIONS BUILDING 211

Art & Society

2:45-3:05 p.m.

Void

Jade Knox, University of Tennessee at Knoxville

STUDENT ORAL SESSION 1 - THU 10:45AM-11:45AM

STUDENT ORAL SESSION 1 - THU 10:45AM-11:45AM

BUSINESS BUILDING 105

Communications

10:45-11:05 a.m.

"The Duplicity of Innocence"

Telena Turner, The University of Virginia's College at Wise

11:05-11:25 a.m.

"Do Not Feed the Stereotype": A Metaphoric Criticism of Gregg Deal's Ethnographic Zoo

Benjamin Woodberry, University of West Florida

11:25-11:45 a.m.

"You're Drunk and Disgusting:" Misperceptions of Binge Drinker's Social Identity and Impression Management

Katie Dickins, Juniata College

BUSINESS BUILDING 108

Interdisciplinary Studies

11:05-11:25 a.m.

The Influence of Chicago Public Housing Policy on Drill Rap Music

Elijah Nachison, Virginia Commonwealth University

11:25-11:45 a.m.

"La Llorona's" Influence on Modern Tejano Culture

Scout Rhodes, San Jacinto College Honors Program

BUSINESS BUILDING 110

Philosophy & Ethics

11:05-11:25 a.m.

Understanding Fake News in a "Post-Truth" World: Using Virtue Ethics to Face the Challenges of Today's Media Technologies

Jonathan Toronto, Utah State University

11:25-11:45 a.m.

The Sublimity of Existence: Explanations Regarding Religious Rejection of Scientific Reality

Amber Sheldon, University of San Diego

BUSINESS BUILDING 112

Literature

10:45-11:05 a.m.

"A Series of Happy Days": A Look Behind the Relationship Between Research and Creative Writing in an Original Collection of Short Stories

Gabriela Rivera Marín, University of Puerto Rico - Rio Piedras Campus

11:25-11:45 a.m.

The Power of the Firstborn: J.R.R. Tolkien and the Recreation of the Elves

Samuel Lucas, Mississippi St Univ-Shackouls Honors Col

BUSINESS BUILDING 125

Literature

10:45-11:05 a.m.

Language in Today's Society: Communication Versus Expression

Brittany Barlow, University of Central Oklahoma

11:05-11:25 a.m.

Like a Purple Thread: The Continuous Storyline of A Rebours, The Picture of Dorian Gray, and De Profundis

Charlotte Kalfas, Northern Kentucky University

11:25-11:45 a.m.

Louise Labé and Bisexual Agenda

Alixandra Haggard, University of Central Oklahoma

STUDENT ORAL SESSION 1 - THU 10:45AM-11:45AM

BUSINESS BUILDING 126

Linguistics

10:45-11:05 a.m.

Bialystok's Bilingual Advantage Hypothesis: the Case of Spanish-English Bilinguals

Gabriela OConnor, Texas State University - San Marcos

11:05-11:25 a.m.

Disappearing Languages

Sierra Swanda, Southwestern Oklahoma State University

BUSINESS BUILDING 205

English

10:45-11:05 a.m.

"Blackness" as a Creature; Shakespeare's Critique of Race in Othello

Holly Anderson, University of Wisconsin - Whitewater

11:05-11:25 a.m.

Ambiguous Identity and the Borderlands

Joy Carino, Mississippi St Univ-Shackouls Honors Col

11:25-11:45 a.m.

Adapting Shakespeare: Stage Performances for Children

Olivia Leyva, California Lutheran University

BUSINESS BUILDING 207

English

11:05-11:25 a.m.

Beyond the Mother-Teacher: How Teaching Became Women's Work

Nicole Green, Eastern Connecticut State University

11:25-11:45 a.m.

Challenging Bloodline Within the English

Monarchy and the Wizarding World

Kimberly Miller, State University of New York-Brockport

BUSINESS BUILDING 209

English

10:45-11:05 a.m.

Mutual Respect: Using a Non-Directive Approach to Promote Racial Justice in Writing Centers

Wallace Golding, University of Alabama at Birmingham

11:05-11:25 a.m.

Mythopoeia: Science Fiction and Religion During the Golden Age

Katie Patyk, Luther College

11:25-11:45 a.m.

Native American Enculturation and Composition

Noah Patton, Southeastern Oklahoma State University

BUSINESS BUILDING 210

English

10:45-11:05 a.m.

The Paradoxical Nature of Innocence and Experience in Blake's Illustrations

Stephanie Montalti, Brooklyn College

11:05-11:25 a.m.

The Portrayal of Women in Nike Advertisements: Gender Politics and Rhetorical Strategies

Kathryn Pullano, Lubbock Christian University

11:25-11:45 a.m.

The Pros, Cons, and Ethics of Slacktivism

Sadie Webster, Utah State University

STUDENT ORAL SESSION 1 - THU 10:45AM-11:45AM

BUSINESS BUILDING 211

Political Science

11:05-11:25 a.m.

Brexit

Kali Jenkins, Oklahoma City University

BUSINESS BUILDING 212

Political Science

10:45-11:05 a.m.

Planned Parenthood Clinics and Activist Mobilization

Sara Hayet, Lafayette College

11:05-11:25 a.m.

Police Performance, Effectiveness, and Impact

Crystal Assenmacher, American University

11:25-11:45 a.m.

Position-taking or Oversight: Foreign Military Sales and the Role of Congress, 1976-2016

Peter Lucier, Montana State University Bozeman

CENTER FOR TRANSFORMATIVE
LEARNING 101

African American Studies

10:45-11:05 a.m.

Black Women, Hair, and Law: An Exploration of Misogynoir in the US Legal System

Jaz Buckley, Mercer University

11:05-11:25 a.m.

Caught Between a Dream and a Nightmare

Jacob Smith, University of Oklahoma Norman Campus

11:25-11:45 a.m.

Critique of Whiteness in the Film Free State of Jones

Amanda Brown, Oklahoma State University

CENTER FOR TRANSFORMATIVE
LEARNING 108

International Studies

10:45-11:05 a.m.

Impact of Western Hegemonic Discourse on Youth in Paramilitary Violence

Micaela Annis, American University

11:05-11:25 a.m.

A Changing Democratic Climate: The Current Rise of Right-wing Populism and Its Effects on Environmental Democracy in the U.S. and Europe

Amanda Borth, American University

11:25-11:45 a.m.

An Analysis of Foreign Aid and Its Effects on Capital Flight After Civil War

Adam Brown, Lafayette College

CENTER FOR TRANSFORMATIVE
LEARNING 109

International Studies

10:45-11:05 a.m.

Linking Past with Present: the Status and Ecology of Fulbe Oral Literature in the Futa Jallon, Republic of Guinea

sidi chleuh, St. Mary's College of Maryland

11:05-11:25 a.m.

Memorializing Conflict: A Case Study on the Museology of War in Bosnia and Herzegovina

Claire Randolph, Long Island University

11:25-11:45 a.m.

Monarchical and Authoritarian Regime Stability: A Comparison of Arab Spring Events in Jordan and Syria

Sydney Crawford, University of Kansas School

STUDENT ORAL SESSION 1 - THU 10:45AM-11:45AM

CENTER FOR TRANSFORMATIVE
LEARNING 117

History

10:45-11:05 a.m.

“Every Student Thinks Himself a Poet”: Higher Education in the Antebellum South

Gabrielle Hale, Mercer University

11:25-11:45 a.m.

“Are We There Yet?” Childhood Stories of the Western Trails.”

Zoe King, University of Northern Colorado

CENTER FOR TRANSFORMATIVE
LEARNING 118

History

10:45-11:05 a.m.

From Patriarchal Tool to Feminist Empowerment: Multi-Layered Meanings of the Corset in Culture

Marina Nye, Albright College

11:05-11:25 a.m.

Geneva to Berlin: Nikita Khrushchev and Diplomatic Interplay Between the USSR and Western Powers During the Cold War Era 1955-1962

Harrison Daubitz, Iowa State University

11:25-11:45 a.m.

Guerilla War Versus Civil War: American Counterinsurgency in the Philippines 1899-1902 and Vietnam 1965-1972

Samuel Stevens, Salisbury University

CENTER FOR TRANSFORMATIVE
LEARNING 237

History

10:45-11:05 a.m.

Erosion of Muslim Women’s Freedoms in the

Abbasid Dynasty

Lydia Perez, Oklahoma State University

11:05-11:25 a.m.

The Advantages of Mongol Religious Ideologies

Autumn Langemeier, University of Nebraska at Kearney

11:25-11:45 a.m.

The Birthplace of Texas

Tyler White, San Jacinto College

CENTER FOR TRANSFORMATIVE
LEARNING 239

Religious Studies

10:45-11:05 a.m.

Advocating for Sustainable Tomorrows: Evil and Hope in Traditional and Process Theodicies

Andrew Thompson, Capital University

11:25-11:45 a.m.

In His Image: A Question of Creation and Humanity’s Right to Inherent Dignity

Taylor Justison, Valparaiso University

COMMUNICATIONS BUILDING 105

Art History

11:05-11:25 a.m.

“Transfixed By Gender: Framing Rosa Bonheur Within a Transgender Narrative”

Abstract

Taylor Hosford, University of North Texas

11:25-11:45 a.m.

(Un)canonical Bluemner

Abigail Ramsbottom, Stetson University

STUDENT ORAL SESSION 1 - THU 10:45AM-11:45AM

COMMUNICATIONS BUILDING 119

Art & Society

10:45-11:05 a.m.

“The Octoroon”: Homophobia in the Antebellum American South

Dylan Carter, Kennesaw State University

11:05-11:25 a.m.

Art of the Grotesque

Mallory Biller, Westmoreland County Community College

College

COMMUNICATIONS BUILDING 121

Film/Photography Studies

10:45-11:05 a.m.

“I Am Big!”: The Aesthetics of Narrative and The Hollywood Dream in Sunset Boulevard

Christa Young, University of West Georgia

11:05-11:25 a.m.

A Streetcar Named Repulsion - The Representation of Sexual Violence in Film

Zachary McMaster, Eastern Washington University

11:25-11:45 a.m.

Conflicting Paradigms of Masculinity in the Political Propaganda of the Spanish Civil War and the Early Franco Régime, 1936-1945

Daniel Collins, Messiah College

COMMUNICATIONS BUILDING 200

Music

10:45-11:05 a.m.

“I See You” Engaging Millennials in the Performance and Appreciation of Classical Music

Trevor Weaver, Montana State University

11:05-11:25 a.m.

A Historical and Contemporary Performance

Analysis of the Mozart Clarinet Concerto

Jacob Ludwig, Cedarville University

COMMUNICATIONS BUILDING 203

Music

11:05-11:25 a.m.

The Dances of J. S. Bach’s French Suites: Everything You Need to Know to Play and Teach Them

Alicia Williams Williams, Cedarville University

11:25-11:45 a.m.

The Doctrine of Affections: Origin, Development, and Application

Kristen Jarboe, Cedarville University

COMMUNICATIONS BUILDING 204

Education

11:05-11:25 a.m.

A Study Exploring the Effects of Power Posing on Grades, Test Anxiety, and Confidence

Jasmyn Davis, Cedar Crest College

11:25-11:45 a.m.

African American Males Perception of High School Teacher Efficacy

Carl Greer, University of Wisconsin - Milwaukee

COMMUNICATIONS BUILDING 206

Education

10:45-11:05 a.m.

Introducing Incentives to Reduce Cell Phone Usage in the Classroom Setting

Olivia Lauzon, Kennesaw State University

11:05-11:25 a.m.

Investigating Resources That Inform Programs for Those Who Are Aging Out of Foster Care

Kendal Roach, University of Central Oklahoma

STUDENT ORAL SESSION 1 - THU 10:45AM-11:45AM

11:25-11:45 a.m.

Investigating the Effects of Outdoor Learning Environments on Students with Autism

Samantha Friedman, Elon University

COMMUNICATIONS BUILDING 211

Theatre/Drama

10:45-11:05 a.m.

Acting Like A Woman: Patriarchy and the Performance of The Female Athlete

Latausha Carter, Kennesaw State University

11:05-11:25 a.m.

Dressing Up a Historical Approach to Terminology

Kelsey Hood, Cameron University

11:25-11:45 a.m.

Feminism and Its Shady Friend; Restoration Drama

Abigail Rinstine, Cameron University

EDUCATION BUILDING 106

Chemical Engineering

10:45-11:05 a.m.

A Novel Approach to Characterizing Monoclonal Antibody Aggregates Using NIST RM 8671

Jeremy Filteau, Worcester Polytechnic Institute

11:05-11:25 a.m.

Assessing the Representation of Solvation Models in Atomic-Scale Simulations of Solvent-Assisted Lead Halide Perovskite Complexation for Efficient Solar Cell Production

Spencer Hong, Cornell University

EDUCATION BUILDING 111

Communication Sciences & Disorders

10:45-11:05 a.m.

Bilingualism Through the Eyes of Adult

Professionals

Vanessa Gonzalez, Abilene Christian University

11:05-11:25 a.m.

The Effect of Noise in a Classroom Setting

Elizabeth Rodriguez, Jacksonville University

11:25-11:45 a.m.

Does Familiarity with a Talker's Voice Facilitate Speech Intelligibility in Noise?

Madison Buntrock, Utah State University

EDUCATION BUILDING 113

Biochemistry

10:45-11:05 a.m.

An Attempt to Synthesize Novel 1,7-Phenanthroline and 4,7-Phenanthroline Ligands

Teagan Duran, Lubbock Christian University

11:05-11:25 a.m.

Binding Interactions of Nitro-containing Antibiotics with the Protein Myoglobin

Xuanjin (Kiana) Yang, University of Oklahoma Norman Campus

11:25-11:45 a.m.

Comparing Apoptotic Potency and Erk Activation in Acute Leukemic Cells by Cucurbitacins B, E, and I

Grace Bennett, Elon University

EDUCATION BUILDING 203

Engineering/Engineering Technology

10:45-11:05 a.m.

Investigating Mechanochemical Effects in Deformation of Metals and Alloys

Brian Arnold, University of West Florida

11:25-11:45 a.m.

Material Characterization of 3D Printed Samples for Different Layup Orientation

Viktor Black, Eastern Washington University

EDUCATION BUILDING 204

Health Sciences & Public Health

10:45-11:05 a.m.

A Holistic Approach to Admissions in a Physician Assistant Program

Cannon Hanebuth, University of Kentucky

11:25-11:45 a.m.

Ankle Bracing Evokes Biomechanical Plasticity in the Lower Extremity During a Landing Task

Alexis Nelson, University of Memphis

EDUCATION BUILDING 206

Business/Finance/Accounting

10:45-11:05 a.m.

An Analysis of the Coverage of Cost Accounting Topics in University Accounting Programs

Tam Cao, University of Central Oklahoma

EDUCATION BUILDING 208

Health Sciences & Public Health

11:25-11:45 a.m.

Social Determinants of Health for the Hispanic Population in Charlotte, NC

Erica Cherian, University of North Carolina, Charlotte

EDUCATION BUILDING 210

Engineering/Engineering Technology

10:45-11:05 a.m.

Optimization of World's Fastest Microfluidic PCR System

Hayden Brady, University of Utah

STUDENT ORAL SESSION 1 - THU 10:45AM-11:45AM

11:25-11:45 a.m.

A Large Eddy Simulation (LES) Analysis of a Progressively Thinned Forest

Zach Ward, Eastern Washington University

EDUCATION BUILDING 214

Biology

10:45-11:05 a.m.

The Regulatory Role of YDJ1/HDJ2 on Ribonucleotide Reductase

Isaac Sluder, University of North Carolina, Charlotte

11:05-11:25 a.m.

Hox Transcription Factor Regulation of Neuronal Development in Caenorhabditis elegans

Taylor Olin, St. Catherine University

11:25-11:45 a.m.

Inferring Food-webs from Avian Parasites

Waynette McCracken, University of Wisconsin - Parkside

EDUCATION BUILDING 301

Chemistry

10:45-11:05 a.m.

Green Synthesis and Analysis of Potential Antibacterial Copper Nanoparticles

Mary Hagle, Gannon University

11:05-11:25 a.m.

Sustainable Nanomaterials for Future Energy Storage

Nesreen Elathram, University of North Carolina, Charlotte

EDUCATION BUILDING 302

Ecology & Organismal Biology

11:05-11:25 a.m.

Alien and Native Orchids in a Tropical Forest: Benign Coexistence?

Nicolle Omiotek, Elmhurst College

STUDENT ORAL SESSION 1 - THU 10:45AM-11:45AM

11:25-11:45 a.m.

Baseline Biodiversity of the Terrestrial and Aquatic Biota in an Undisturbed Hardwood Forest Slated for Road Construction

Sarah Edmonds, William Peace University

EDUCATION BUILDING 304

Economics

10:45-11:05 a.m.

The Impact of Aircrash on the Aviation Industry

Ngog Nliba Nguimbous, Jacksonville University

11:05-11:25 a.m.

What Makes a Soccer Player Expensive? Analyzing the Transfer Activity of the Richest Soccer Teams

Lukas Barbuscak, Augsburg College

11:25-11:45 a.m.

An Experimental Study in Zero and Negative Prices: Replications and New Evidence

Christopher Smith, University of Wisconsin - Oshkosh

EDUCATION BUILDING 306

Physics

10:45-11:05 a.m.

A Physics Approach to Modeling Nonlinear Human Population Growth

Cole Prather, University of Central Oklahoma

11:05-11:25 a.m.

Beta Cepheid Variable Stars: A Spectral Analysis

Sarah Hall, The University of Virginia's College at Wise

EDUCATION BUILDING 310

Law & Legal Studies

10:45-11:05 a.m.

A Legal Analysis of Masterpiece Cakeshop V. Colorado Civil Rights Commission

Edward Passero, Ithaca College

11:25-11:45 a.m.

An Examination of the European Union's Use of Lawfare Since 2001

Morgan Harris, American University

EDUCATION BUILDING 311

Biology

10:45-11:05 a.m.

A Meta-analysis of Snake Venom Composition and Antimicrobial Activity

Raeshelle Strobel, The University of Findlay

11:05-11:25 a.m.

A New Beginning for Old Plants: Teachings of a Herbarium Digitization

Amanda Esparza, Augustana College

11:25-11:45 a.m.

Alteration of Embryonic Neuronal Outgrowth Via Modification of Synaptic Receptor

Bria Coulson, University of Northern Iowa

EDUCATION BUILDING 312

Cell & Molecular Biology

10:45-11:05 a.m.

*A Bioinformatic Approach to Identify Potential Vaccine Targets Against the Southern Cattle Tick, *Rhipicephalus microplus**

Caley Thomasson, St. Edward's University

11:05-11:25 a.m.

*A Heterologous Bioconversion Platform for Aromatic Wastes in *E. Coli**

Matthew Kubis, University of Tennessee at Knoxville

STUDENT ORAL SESSION 1 - THU 10:45AM-11:45AM

11:25-11:45 a.m.

Age-dependent Endogenous IL-33 Release Regulates ILC2 Populations in Naïve Mouse Lungs

Hanjoo Shim, University of British Columbia

NIGH UNIVERSITY CENTER 300

Psychology

10:45-11:05 a.m.

Going Bump in the Night: An Experimental Investigation of the Endorsement of a Sexual Double Standard Among Hypothetical Adults Engaged in Masturbation

Katie Haus, University of Minnesota, Duluth

NIGH UNIVERSITY CENTER 301

Psychology

10:45-11:05 a.m.

Dogs Use Visual Access to Make Inference About Knowledge, but Only in Communicative Contexts

Yiyun Huang, University of Rochester

11:05-11:25 a.m.

Grit and Performance: the Moderating Role of Autonomy and Costly Perseverance

CHEN CHEN, University of Manitoba

11:25-11:45 a.m.

Intrinsic and Extrinsic Motivation and Autonomy in Coach-Player Relationships

Rebekah Sears, University of Memphis

NIGH UNIVERSITY CENTER 304

Psychology

10:45-11:05 a.m.

Am I Human?: Moral Foundations and Infrabumanization as Predictors of Proximity Seeking

Angela Mullins, Southern Nazarene University

11:05-11:25 a.m.

Anxiety Management on Campus: An Evaluation of a Mobile Health Intervention

Alicia Paul, Elon University

11:25-11:45 a.m.

Political Affiliation's Role in Agreement to Public Policy

Ryan Appleyard, William Peace University

NIGH UNIVERSITY CENTER 312

Women and Gender Studies

11:25-11:45 a.m.

I Am a Boy, I Don't Want to Be a Girl!: Gender Performance & Transgenderism in Goethe's Wilhelm Meister's Years of Apprenticeship

Teddy Scheuerman, University of Rochester

NIGH UNIVERSITY CENTER 314

Computer Science

11:05-11:25 a.m.

801-863-8337

David Ulbrich, Utah Valley University

NIGH UNIVERSITY CENTER 320B

Sociology

10:45-11:05 a.m.

From Adolescence to Adulthood: Understanding the Reality of Substance Use, An In-Depth Ethnographic Interview

Ereisa Morales, Eastern Washington University

11:05-11:25 a.m.

A Need for Needles: La Crosse County Injection Drug Use and Harm Reduction Strategies

Kristin Reque, University of Wisconsin - La Crosse

STUDENT ORAL SESSION 1 - THU 10:45AM-11:45AM

11:25-11:45 a.m.

A Study on the Effects of Opioid Prescription Practices

Alexis Larson, Salisbury University

NIGH UNIVERSITY CENTER 320C

Criminology/Criminal Justice

11:05-11:25 a.m.

Black Student's Lived Experiences with Campus Law Enforcement

Kalen Russell, University of Central Oklahoma

11:25-11:45 a.m.

Discrepancies in Recidivism Based Off Treatment Options: a Comparison of the United States and Norway

Katie Goodman, Western Carolina University

OLD NORTH 206

Mathematics

10:45-11:05 a.m.

Analysis of Partisan Voting in the United States' Presidential Elections

Josh Lessner, Southern Nazarene University

11:05-11:25 a.m.

Algorithmic Composition and Analysis of Music Using Sequence Recursions

Carlo Anselmo, Hampden-Sydney College

OLD NORTH 207

Environmental Studies & Sciences

10:45-11:05 a.m.

Evaluation of Coated Urea on Sugarcane (Saccharum officinarum)

Mohamed Razack, University of Guyana

11:25-11:45 a.m.

A Comparative Analysis of Bird/Wildlife Aircraft Strike Hazard (BASH) Programs at

Northeast Florida Airports

Maelyn O'Connor, Jacksonville University

OLD NORTH 208

Mathematics

11:05-11:25 a.m.

Toxoplasma gondii: Its Transfer Between Cats and the Environment

Emily Kelting, University of Central Oklahoma

11:25-11:45 a.m.

Two Methods for Triangulating Hyperbolic Punctured Spheres

Tucker Feix, Oklahoma State University

OLD NORTH 211

Astronomy

10:45-11:05 a.m.

Baryon Acoustic Oscillations -The Study of Large Scale Structure of the Universe

Tri Nguyen, University of Rochester

11:25-11:45 a.m.

Exploring the Transient Optical Sky with LSST

Jacqueline Blaum, Iowa State University

STUDENT ORAL SESSION 2 - THU 1:00PM-2:00PM

**STUDENT ORAL SESSION 2 - THU
1:00PM-2:00PM**

BUSINESS BUILDING 105

Communications

1:20-1:40 p.m.

All I Ever Needed: the Chance to Dance. Exploring Dance as a Form of Communication in the Musical a Chorus Line

Emilia Bustle, University of Kentucky

BUSINESS BUILDING 108

Interdisciplinary Studies

1:00-1:20 p.m.

"To Check or Not to Check?": Examining Attachment Anxiety and Avoidance on Social Media

Molly Moller, University of Nebraska at Kearney

1:20-1:40 p.m.

A Comparative Analysis of Safety: Sherman Park, MKE

Bella Biber, University of Wisconsin - Milwaukee

1:40-2:00 p.m.

A Nation of Obligated Assimilation: A View on Hispanic Immigration in the United States

William Towery, Western Carolina University

BUSINESS BUILDING 110

Interdisciplinary Studies

1:00-1:20 p.m.

Weaving a Sustainable Future: Social Enterprise Partnerships with Female Indigenous Artisans in the Lake Atitlán Region of Guatemala

Rosalyn Kutsch, Fordham University

1:20-1:40 p.m.

Witch Hunt: Collective Misandry, Valerie Solanas, and Making an Example Out of You

Kara Dotten, The University of Virginia's College at Wise

1:40-2:00 p.m.

Yin and Yang Within Star Wars

Laura Blackstone, University of Central Oklahoma

BUSINESS BUILDING 112

Literature

1:00-1:20 p.m.

"Have My Words Now Driven Away Your Ignorance and Delusion": Krishna's Non-attached Action and the Assimilative Power of Hinduism in the Bhagavad Gita

Thanh Huynh, University of Central Oklahoma

BUSINESS BUILDING 125

Literature

1:00-1:20 p.m.

Lying as Rhetorical Tool to Express Duality in Love Medicine

Anna Dore, University of Central Oklahoma

1:40-2:00 p.m.

Missing Moral Compass: The Problem of Moral Ambiguity in Young Adult Literature

Sidney Lewis, East Central University

BUSINESS BUILDING 126

Linguistics

1:00-1:20 p.m.

Problematic Pronouns and Gender Identity

Joy Carino, Mississippi St Univ-Shackouls Honors Col

BUSINESS BUILDING 205

English

1:20-1:40 p.m.

Every Thing Was a Friend: the Sentimental, Contemplative, and Reminiscent Role of Objects in Jane Austen's Mansfield Park

Alexandra Martinez, Carthage College

STUDENT ORAL SESSION 2 - THU 1:00PM-2:00PM

1:40-2:00 p.m.

Spirits That Rose Out of the Water”: Gender, Place, and Poetry in Dorothy Wordsworth’s Journals

Jasmine Beringer, University of Nebraska at Kearney

BUSINESS BUILDING 207

English

1:00-1:20 p.m.

Boy Meets Boy: a Gaytopia Is Just a Utopia

Kiara Alfonseca, State University of New York-Brockport

1:20-1:40 p.m.

Coming to Terms: Othello

Chris Floyd, University of Texas at Arlington

1:40-2:00 p.m.

Degrees of Whiteness: Examining the Conflation of Race and Religion

Jane Nowell, Roanoke College

BUSINESS BUILDING 209

English

1:00-1:20 p.m.

On Leaping into the Future: Reading Fun Home as a Lesbian Narrative

Danielle McDougall, Adelphi University

1:20-1:40 p.m.

On the Mantelpiece For You: Letters in the Novels of Thomas Hardy

Morgan Sanford, Utah State University

BUSINESS BUILDING 210

English

1:40-2:00 p.m.

The Rise and Fall of Zora Neale Hurston and Nella Larsen: How Two Unique Voices Were Created and Demolished

Ron Thompson, William Peace University

BUSINESS BUILDING 211

Political Science

1:00-1:20 p.m.

Citizens Without Rights: How Food Quality in Nursing Homes Affects Quality of Life

Ashlyn Amanda, Corban University

1:40-2:00 p.m.

Consistency on the Bench: Considering Gender and Selection Systems

Alexis Bishop, Susquehanna University

BUSINESS BUILDING 212

Political Science

1:00-1:20 p.m.

Race Crises Through the Decades

Daniella Hernandez, California State University - Long Beach

1:20-1:40 p.m.

Reevaluating the Legal Status of the World’s Oldest Profession

Andrew Holcombe, Corban University

1:40-2:00 p.m.

Religious or Not, Here They Come: The Impact of White Evangelical Protestant Identity on Vote Choice in 2016 United States Presidential Election

Aaron Torop, American University

CENTER FOR TRANSFORMATIVE
LEARNING 101

African American Studies

1:00-1:20 p.m.

Cultural Spaces and Community Empowerment: A Study of the Opening of the Smithsonian National Museum for African American History and Culture (SNMAAHC)

Tafari Robertson, Texas State University - San Marcos

STUDENT ORAL SESSION 2 - THU 1:00PM-2:00PM

1:20-1:40 p.m.

Institutional Racism: Modern-Day Slavery

Alessandra Spencer-Pereira, Lesley University

CENTER FOR TRANSFORMATIVE
LEARNING 108

International Studies

1:00-1:20 p.m.

An Analysis of Today’s Rise of Far-Right Nationalism Through the Critical Feminist Lens

Reba Schnyder, State University of New York-Geneseo

1:20-1:40 p.m.

An International Studies Mapping Project at Southern Illinois University Edwardsville

Claire Schneider, Southern Illinois University at Edwardsville

1:40-2:00 p.m.

Autocracy’s Tightrope: How Much Education Before It Breaks?

Eleanor Hendren, Virginia Military Institute

CENTER FOR TRANSFORMATIVE
LEARNING 109

International Studies

1:20-1:40 p.m.

Perceptions of Policy Effectiveness: Exploring the Impact of HIV/AIDS Workplace Policy in Ghana

Rahul Ramani, Notre Dame University Of

1:40-2:00 p.m.

Po Bolshomy Stakany, Za Rodimuyu Strany (By This Big Cup, for Our Motherland): a Glimpse into Russian Culture Through Traditional Russian Drinks

Joshua Elliott, Hampden-Sydney College

CENTER FOR TRANSFORMATIVE
LEARNING 117

History

1:00-1:20 p.m.

“Don’t Overdo the Inbetweenness”: The Relationship Between Popular Print Media, Society, and Teen Girls in the 1950s and 1980s

Yael Tessler, Mercer University

1:20-1:40 p.m.

“Not of the Caucasian Race”: Traversing Racialized Property and Place in 20th Century Cumberland County, PA

David Michael, Messiah College

1:40-2:00 p.m.

“What a Pity She Was Not Born a Man!” How Womanhood Shaped Japanese Literature in the Heian Period

Gail Jansen, Trevecca Nazarene University

CENTER FOR TRANSFORMATIVE
LEARNING 118

History

1:00-1:20 p.m.

Hadrian’s Wall at the End of the Roman Empire

Aaron Peckham, Lubbock Christian University

1:20-1:40 p.m.

Hidden Treasure: Norwich’s Badge Collection From the Age of the Czars

Jonathan Wriston, Norwich University

1:40-2:00 p.m.

How the Dead Kept Living: Mental Illness from the Battlefield to the Homefront in the American Civil War

Kelsey Raymond, Trevecca Nazarene University

STUDENT ORAL SESSION 2 - THU 1:00PM-2:00PM

CENTER FOR TRANSFORMATIVE
LEARNING 237

History

1:00-1:20 p.m.

*The Cancers That Killed the Confederacy:
Southern Unionism, Dissent, and Desertion
During the Civil War*

Matthew Graybill, Georgia College and State University

1:20-1:40 p.m.

The Chester Mystery Cycle: The Cultural Importance Within a Religious Context

Mason Werth, University of Central Oklahoma

1:40-2:00 p.m.

The CIA and Oversight in the Face of Changing Context: 1966-1989

John Segal, Wheaton College

CENTER FOR TRANSFORMATIVE
LEARNING 239

Religious Studies

1:00-1:20 p.m.

In WOD We Trust: Christianity, CrossFit, and Conversion

Alexandra McCorkle, Elon University

1:20-1:40 p.m.

Interfaith and Identity: First Generation Interfaith Studies Students Challenge the Movement to Incorporate Intersectionality

Julia Brucklacher, Concordia College - Moorhead

1:40-2:00 p.m.

Is a Sound Evangelical Theology of Religions Possible: Combatting Naïve Biblicism While Maintaining the Veracity of Scripture

Bradley Kisseberth, University of Toledo

COMMUNICATIONS BUILDING 105

Art History

1:20-1:40 p.m.

Balenciaga and Regional Beauty

Annalisa Giannotti, University of North Texas

COMMUNICATIONS BUILDING 119

Art & Society

1:00-1:20 p.m.

The Weight of the Visual Pun

Marissa Thelen, University of Central Oklahoma

COMMUNICATIONS BUILDING 121

Film/Photography Studies

1:00-1:20 p.m.

Contemporary Stop Motion Animation: Resurrecting a Handmade Form in a Digital Era

Megan McGarvey, University of Wisconsin - Superior

COMMUNICATIONS BUILDING 200

Music

1:00-1:20 p.m.

An Analysis of Bach's Influence on Mendelssohn

Kathryn Tillis, Jacksonville University

1:40-2:00 p.m.

Chromaticism, Substitution, and the Geometry of Voice-Leading Space: An Analysis of Richard Wagner's "Liebestod" and Art Tatum's "Tea for Two"

Tanner Cassidy, North Central College

COMMUNICATIONS BUILDING 203

Music

1:40-2:00 p.m.

The Modified "Plan A": Artistry and Entrepreneurship

Timothy Brewer, University of Michigan

STUDENT ORAL SESSION 2 - THU 1:00PM-2:00PM

COMMUNICATIONS BUILDING 204

Education

1:00-1:20 p.m.

American Sign Language Comprehension: Does It Rely on Spatial Skills?

Brooke White, Lamar University

1:20-1:40 p.m.

Assessing Role of Visual Note-taking in Large Lecture Classrooms

Noah Garwood, Iowa State University

COMMUNICATIONS BUILDING 206

Education

1:00-1:20 p.m.

Middle School Students' Perceptions of STEM Preparedness After Participating in an Informal Learning Environment

Chaise Cremeans, University of Kentucky

1:40-2:00 p.m.

More Than a Story: How Elementary Teachers Can Use Children's Literature to Support Children Who Have Adverse Childhood Experiences

Danielle O'Reilly, Dominican University of California

COMMUNICATIONS BUILDING 211

Theatre/Drama

1:00-1:20 p.m.

Gender and Performance in "Marie Antoinette"

Laila Sahir, Luther College

1:20-1:40 p.m.

Haunted Attractions: Terror as a Tool of Theatrical Release

Alexander Hall, The University of Virginia's College at Wise

1:40-2:00 p.m.

Homeless Military Veterans: A Theatrical Perspective from the Inside of the Armed Forces'

Byron Clemons, Kennesaw State University

EDUCATION BUILDING 106

Chemical Engineering

1:00-1:20 p.m.

Investigating Methods to Reduce Arsenic Content in Brown Rice

Kristen Mikami, Kapi'olani Community College

1:20-1:40 p.m.

Synthesis and Transport of Pt-Iron Oxide Nanodrugs

Olivia George, University of Tennessee at Chattanooga

1:40-2:00 p.m.

The Effect of Mordant on Cochineal Adsorption Thermodynamics and Kinetics

Aleeza Ajmal, Lafayette College

EDUCATION BUILDING 111

Physical/Occupational Therapy/Speech

Language Pathology

1:40-2:00 p.m.

Description and Comparison of Health Behaviors to the Agility T-test and One Mile Run Among Boy Scouts

Elisabeth Bulliner, Oakland University

EDUCATION BUILDING 113

Biochemistry

1:00-1:20 p.m.

Computational Investigation of Biflavonoid Inhibitors of Amyloid Beta Aggregation in Alzheimer's Disease

Stephen Plassmeyer, Truman State University

STUDENT ORAL SESSION 2 - THU 1:00PM-2:00PM

1:20-1:40 p.m.

Computational Investigation of Potential Inhibitors to HIV's Viral Infectivity Factor

John Bickel, Truman State University

1:40-2:00 p.m.

Crystal Structure of the Outer Mitochondrial Membrane Protein MitoNEET in Complex with Furosemide

Raisa Nuñez, West Virginia University

EDUCATION BUILDING 203

Engineering/Engineering Technology

1:00-1:20 p.m.

Monte Carlo Gamma Ray Simulation of Variable Physical Parameters of a Tungsten-Based Pinhole Camera for Pre-Prototype Optimization

Michael Jerrell, Kennesaw State University

1:40-2:00 p.m.

Novel Vibratory Mechanism Designs for Vibrations and Controls Laboratories

Kevin Van Der Horn, Kennesaw State University

EDUCATION BUILDING 204

Health Sciences & Public Health

1:00-1:20 p.m.

Antigenic Map of Children's Immunity to Influenza

Rashna Soonavala, University of Michigan

1:20-1:40 p.m.

Application of an External Interception Device to Enhance Radiation Therapy Beam Delivery to Target Sites

Kushnaran Harnarine, University of Guyana

EDUCATION BUILDING 206

Business/Finance/Accounting

1:00-1:20 p.m.

Click and Consume: Implementation Strategies for Success in E-commerce

Corinne Sherry, Salisbury University

EDUCATION BUILDING 208

Health Sciences & Public Health

1:00-1:20 p.m.

Predicting U.S. Childhood Obesity Through Mathematical Modeling

Britney Mazzetta, Ithaca College

1:20-1:40 p.m.

Prevalence of and Risk Factors for Food Insecurity Among Undergraduate Students in Western Oklahoma

Kathryn Rodgers, Southwestern Oklahoma State University

1:40-2:00 p.m.

Profiling DNA Methylation of DNMTs in Normal Lung Tissues from African Americans and European Americans with Lung Cancer

Amy Boles, Lafayette College

EDUCATION BUILDING 210

Engineering/Engineering Technology

1:00-1:20 p.m.

A Self-contained Distributed Sensing System for Swarm Robotics

Ian Miller, Lafayette College

1:20-1:40 p.m.

A Study on the Spatial Variation in Heart Valve Mechanical Properties and Microstructure

Samuel Jett, University of Oklahoma Norman Campus

STUDENT ORAL SESSION 2 - THU 1:00PM-2:00PM

1:40-2:00 p.m.

Additive Manufacturing and Advanced Composites Integrated Wheel

Josiah Goodley, Metropolitan State University of Denver

EDUCATION BUILDING 214

Biology

1:20-1:40 p.m.

Investigation of the Distribution and Occupancy of the American Pika (Ochotona princeps) of Southwest Montana in Relation to Potential Climate Changes

Megan Robinson, Montana State University Bozeman

EDUCATION BUILDING 301

Chemistry

1:00-1:20 p.m.

The Synthesis and Characterization of the Functionalized Metal-Ligand Complex, [Co(4-brbpy)₃]³⁺

Ronnie Keller, University of North Carolina - Asheville

1:20-1:40 p.m.

Antioxidant Capacity of Green Tea

Gabrielle Blevins, City University of New York- Guttmann Community College

1:40-2:00 p.m.

Asymmetric Synthesis of Nitrogen Heterocycles and Investigation Into Their Use As CDK/ GSK3 Inhibitors

Hayley Allen, University of Southern Mississippi

EDUCATION BUILDING 302

Ecology & Organismal Biology

1:00-1:20 p.m.

Bat Species Composition and Diversity on Private Property in the Ellett Valley of Montgomery County, Virginia

Deirdre Conroy, Virginia Polytechnic Institute & State University

1:20-1:40 p.m.

Development of an Innovative Cucumber Beetle Monitoring Trap

Christopher Kositzke, University of Kentucky

1:40-2:00 p.m.

Effect of Cull Tags on Stress Levels of Large-mouth Bass

Thomas Hansen, Iowa State University

EDUCATION BUILDING 304

Economics

1:00-1:20 p.m.

Are Chinese Happy: Evidence from WVS

Zhao Yang, University of Wisconsin - Eau Claire

1:20-1:40 p.m.

Childhood Poverty and Educational Outcomes: Case Studies of India, Ethiopia, Peru, and Vietnam

Phillip Hoeps, Eastern Connecticut State University

1:40-2:00 p.m.

Childhood Stunting and Dietary Diversity in Rwanda

Ravon Bonds, University of Wisconsin - Whitewater

EDUCATION BUILDING 306

Physics

1:20-1:40 p.m.

Computational Study of the Surface Stability Of Li₃BN₂/LiBN₂ and Li₃AlN₂/AlN₂ as Cathode Materials for Lithium Ion Batteries

Ken Ellingsen, University of Wisconsin - Eau Claire

STUDENT ORAL SESSION 2 - THU 1:00PM-2:00PM

1:40-2:00 p.m.

Design and Implementation of Microfluidic Devices by the Foil-Embossed Method for the Analytical Isolation of Yeast Cells and Sortation of Microspheres

Crystal Lemus, Belmont University

EDUCATION BUILDING 308

Electrical Engineering

1:00-1:20 p.m.

A New Method for the Composition of Complex Stochastic Petri Nets

Bradley Rupp, Milwaukee School of Engineering

1:20-1:40 p.m.

A Smart Parking System Using Wireless Sensors Network for Smart Cities

Mohamed Afify, University of Central Oklahoma

1:40-2:00 p.m.

Connected Smart Trash Can for Smart City

Mohamed Rishad Abdul Samad, University of Central Oklahoma

EDUCATION BUILDING 310

Law & Legal Studies

1:20-1:40 p.m.

Does the Real ID Act Inhibit Airport Security and Promote Safety for American Citizens?

Stephanie Lipari, Ithaca College

1:40-2:00 p.m.

Misleaders of Fracking: What Citizens and Policy Makers Need to Know

Rhiannon Moore, Connors State College

EDUCATION BUILDING 311

Biology

1:00-1:20 p.m.

Angiosperm Effects on Bacteria

Aaron Steele, University of West Florida

1:20-1:40 p.m.

Application of Beneficial Bacteria as Experimental Model for the Reduction of Solids and Conductivity in Waste Water

Gumercindo Pimentel, Technological University of Panama

1:40-2:00 p.m.

Architecture and Dynamics of Biomolecular Networks Facilitate Evolution of Persistence Strategies in Living Organisms

Aishwarya Raj, University of Illinois at Urbana Champaign

EDUCATION BUILDING 312

Cell & Molecular Biology

1:00-1:20 p.m.

Alpha A Crystallin (66-80) Peptide Enters Cultured Human Lens Epithelial Cells and Binds to Alpha A Crystallin

Annika Grupp, Oakland University

1:20-1:40 p.m.

*Assessment of Genotypic Diversity Across Mexican Populations of *Myriopteris lindheimeri**

Blake Fauskee, University of Minnesota, Duluth

NIGH UNIVERSITY CENTER 300

Psychology

1:00-1:20 p.m.

Comparing the Effects on How South Asian Women Are Portrayed in American and South Asian Movies

Ruchica Chandnani, University of Michigan

1:20-1:40 p.m.

Evaluation of the Psychology Program

Cassidy McKnight, University of Central Oklahoma

1:40-2:00 p.m.

Defending Your Religion: A Study in Defensive Theology

Jessica Cornelius, Southern Nazarene University

NIGH UNIVERSITY CENTER 301

Psychology

1:00-1:20 p.m.

Detecting Deception with Multifractal Patterns in Response Time and Pupillometry

Theodore Mofle, University of Central Oklahoma

1:20-1:40 p.m.

Investigating Authority: the Connection Between How Residential Advisers Are Raised and How They Respond

Stephanie Bunch, Jacksonville University

1:40-2:00 p.m.

The Role of Individual Background on Academic Performance

Julia Pemberton, William Peace University

NIGH UNIVERSITY CENTER 304

Psychology

1:20-1:40 p.m.

Comparing Attitudes Towards Physically Disabled Individuals in Private and in Public Conditions

Katherine Shaw, Westminster College

1:40-2:00 p.m.

An Examination of Test Anxiety, Emotion Regulation, and Drug Use in College Students

Jesse Edmond, Kennesaw State University

NIGH UNIVERSITY CENTER 312

Women and Gender Studies

1:20-1:40 p.m.

"I'm a Mouse, Duh!": Gender Reinforcement

UNIVERSITY OF CENTRAL OKLAHOMA

STUDENT ORAL SESSION 2 - THU 1:00PM-2:00PM

and Sexualization in Halloween Costumes

Julienne Porciuncula, Cerritos College

1:40-2:00 p.m.

"Me & You Must Never Part": Analyzing Race and Sexuality in the Movie "The Color Purple"

Brittany Plange, University of Oklahoma Norman Campus

NIGH UNIVERSITY CENTER 314

Computer Science

1:00-1:20 p.m.

A Theoretical and Empirical Comparison of Various Machine Learning Algorithms for Natural Language Processing

Benjamin Jafek, Brigham Young University

1:20-1:40 p.m.

Analysis and Applications of a Generalized Bellman-Ford Algorithm

Owen McGrath, University of Kentucky

NIGH UNIVERSITY CENTER 320B

Sociology

1:00-1:20 p.m.

Abstract Title: Self-Care as Social Activism: An Examination of Self-Care in Racial Justice Activism

Megan Stehula, Hamline University

1:20-1:40 p.m.

Addressing the Rhetoric of Sexual Abuse Against Black Males Within the Academy

Jordan Broiles, University of Central Oklahoma

1:40-2:00 p.m.

American Mormon: A Case Study in Value Priorities

Jodi Shegrud, Weber State University

STUDENT ORAL SESSION 2 - THU 1:00PM-2:00PM

NIGH UNIVERSITY CENTER 320C

Criminology/Criminal Justice

1:00-1:20 p.m.

Disproportionate Minority Contact in Policing: Where Does the Bias Lie?

Carrie Stone, Weber State University

1:20-1:40 p.m.

Education Is Rehabilitation

Rashelle Noncent, University of Massachusetts- Dartmouth

1:40-2:00 p.m.

Exposing Capital Punishment

Dominique Malone, University of Tennessee at Chattanooga

OLD NORTH 205

Sustainability

1:20-1:40 p.m.

Green Is the New Black: Sustainability and the Next Generation of Fashion

Lauren Bell, Albright College

1:40-2:00 p.m.

Market Outlook for 3D Printing for Mass Production in Apparel Design

Lillia Dean, Texas Woman's University

OLD NORTH 207

Environmental Studies & Sciences

1:20-1:40 p.m.

*A Comparative Study of the Use of *Chrysopogon zizanioides* (Vetiver Grass) and *Spartina alterniflora* (Spartina Grass) in Facilitating Natural Regeneration of Mangroves*

Nkase Evans, University of Guyana

1:40-2:00 p.m.

An Assessment of Vinasse as an Organic Fertilizer on Crops Belonging to the Cucurbitaceae Family

Shavon Sharif, University of Guyana

OLD NORTH 208

Mathematics

1:20-1:40 p.m.

Weather You Like It or Not (An Analysis of Weather Data)

Jolli Khoo, Hendrix College

OLD NORTH 211

Astronomy

1:40-2:00 p.m.

Study of IC 443: An Extended Source in the Galactic Plane

Jacqueline Blaum, Iowa State University

WELLNESS CENTER - KIOSK 30 SIDE C

Health Sciences & Public Health

1:00-2:00 p.m.

Refugee Health: a Quality of Care and Patient Needs Assessment for Refugee Patients at a Community Health Center

Lindsay Woods, Elon University

STUDENT ORAL SESSION 3 - THU 2:20PM-3:20PM

STUDENT ORAL SESSION 3 - THU 2:20PM-3:20PM

BUSINESS BUILDING 105

Communications

2:40-3:00 p.m.

Discovering the Empowerment in the Simultaneous Use of Language Varieties in Appalachian Homes

Lauren Rentz, The University of Virginia's College at Wise

3:00-3:20 p.m.

En Marche: Aristotelian Analysis of Emmanuel Macron's Tweets

Florrie McCard, Georgia College and State University

BUSINESS BUILDING 108

Interdisciplinary Studies

2:20-2:40 p.m.

A Novel Method of Utilizing Convolution Neural Networks to Vectorize Input Tensors for Machine Learning Detection of Retinal Disease

Venkata Macha, Harvard

3:00-3:20 p.m.

An Exploration of Different Museum Exhibit Styles: A Review of Visitors' Self-Reported Engagement & Dwell Time

Karissa Dobson, North Central College

BUSINESS BUILDING 110

Philosophy & Ethics

2:20-2:40 p.m.

"Is Math Real?" A Critical Examination of Mathematical Realism and Nominalism

Zeng Zeng Yang, Moravian College

2:40-3:00 p.m.

A Beauvoirian Analysis For the Reform of

Social Structures Via the Black Lives Matter Movement

Alison Russell, Western Carolina University

3:00-3:20 p.m.

A Case for the Prevention of Suicide Prevention

Joseph Cox, University of West Florida

BUSINESS BUILDING 112

Literature

2:20-2:40 p.m.

"They Weren't Counting on Bears" and Other Tales from Space Australia: An Analysis of SF on Tumblr

Jessica Allmon, Cameron University

2:40-3:00 p.m.

American Madwoman: Mental Health and Purity in The Linwoods

Alyssa Compton, University of Central Oklahoma

3:00-3:20 p.m.

Alice's Adventure in Maturity

Emily Tabor, State University of New York-Brockport

BUSINESS BUILDING 125

Literature

3:00-3:20 p.m.

Power Lines: The York Road in "Mason & Dixon"

Hunter Flynn, Loyola University Maryland

BUSINESS BUILDING 126

Linguistics

2:20-2:40 p.m.

Speech Variability Across Talkers And Accents

Ruolan Li, University of Rochester

STUDENT ORAL SESSION 3 - THU 2:20PM-3:20PM

2:40-3:00 p.m.

The Phonological Evolution and Development of Old Occitan

Thomas Wiegand, University of Tennessee at Chattanooga

3:00-3:20 p.m.

The Role of Lexical Cues in the Acquisition of L2 Allophonic Variants

Joselyn Rodriguez, University of Utah

BUSINESS BUILDING 205

English

2:20-2:40 p.m.

'Some Lines of Feeling': the Affective, Reflective, and Emotional Properties of Text in Jane Austen's Persuasion

Racheal Treadway, Carthage College

2:40-3:00 p.m.

(Dis)placing the Canon: William Wordsworth and Slam Poetry

Carly Laird, Messiah College

3:00-3:20 p.m.

"Let the Music Speak to Us of To-Night, in a Happier Language Than Ours": Wilkie Collins' the Woman in White, the Unheard Musical Discussion, and the Victorian Feminine Voice"

Alyssa Andren, Carthage College

BUSINESS BUILDING 207

English

3:00-3:20 p.m.

Effective Sincerity: On Catholic Private Prayer and the Poetry of Mary Karr

Emily Neuharth, Valparaiso University

BUSINESS BUILDING 209

English

2:40-3:00 p.m.

Parental Psychological Control and Identity Formation of Lily Bart in Edith Wharton's House of Mirth

Alison Bartak, Hamline University

3:00-3:20 p.m.

Phrenology, Physiognomy, and Fiction: Representing Character in Victorian Literature

Maria Salerno, Carthage College

BUSINESS BUILDING 210

English

2:20-2:40 p.m.

The Suspended Landscape: Celan's Spatial Trauma and the Poetic Abyss

Domenic Suntrapak, University of the Pacific

3:00-3:20 p.m.

The Virgin's Euphony: A Literary and Musical Analysis of William Blake's The Book of Thel

Coco Rich, Muhlenberg College

BUSINESS BUILDING 211

Political Science

2:40-3:00 p.m.

Democracy and Military Expenditures

Michael Muller, Georgia College and State University

BUSINESS BUILDING 212

Political Science

2:40-3:00 p.m.

Serving Women or Serving Time: The Impact of Women Legislatures on Female Incarceration Rates

Carly Heitland, East Central University

STUDENT ORAL SESSION 3 - THU 2:20PM-3:20PM

CENTER FOR TRANSFORMATIVE LEARNING 101

African American Studies

2:20-2:40 p.m.

Obama Prior to the Office

Mariah Scott, University of Central Oklahoma

2:40-3:00 p.m.

Problematizing Resistance: State Violence and the Black Radical Tradition

Brittany Plange, University of Oklahoma Norman Campus

3:00-3:20 p.m.

The Black Woman's Privilege: An Examination of Nella Larsen's Passing

Alexis Daniels, William Peace University

CENTER FOR TRANSFORMATIVE LEARNING 108

International Studies

2:20-2:40 p.m.

Beyond the Economy: The Socio-Cultural Impacts of Chinese Immigrants in Kenya

Ruti Ejangu, American University

2:40-3:00 p.m.

Building Confidence Through Chords: The Benefits of Music Instruction for Stateless Hill-Tribe Youth in Chiang Mai, Thailand

Maya Bensalem, Long Island University

3:00-3:20 p.m.

Chinese Youth's Attitudes About Wealth and Poverty: A Case Study in Hangzhou, China

Tarik Johnson, Long Island University

CENTER FOR TRANSFORMATIVE LEARNING 109

International Studies

2:20-2:40 p.m.

Prevention and Empowerment: Mental Health Care in Cuba

Erin Ross, University of Alabama at Birmingham

2:40-3:00 p.m.

Resource Curse or Blessing in Nigeria and Sierra Leone: The Effects of Natural Resources on Socio-economic Development

Addison Manor, George Mason University

3:00-3:20 p.m.

Social Entrepreneurship as a Means of Youth Empowerment: the Case of Akha Ama Coffee in Chiang Mai and Chiang Rai, Thailand

Gabriel Otter, Long Island University

CENTER FOR TRANSFORMATIVE LEARNING 117

History

2:40-3:00 p.m.

A Defense for Thomas Jefferson: A Revolutionary Beyond His Republic

Jenna Blyler, Jacksonville University

3:00-3:20 p.m.

A Historiographic Analysis of Doukas: Historian of the Byzantine Empire

Tyler Brown, John Brown University

CENTER FOR TRANSFORMATIVE LEARNING 118

History

2:20-2:40 p.m.

Iran and Nuclear Energy: A Plan for Peace

Makenzie Briscoe, University of Central Oklahoma

STUDENT ORAL SESSION 3 - THU 2:20PM-3:20PM

2:40-3:00 p.m.

Justice and Stability: Nizam Al-Mulk's and Al-Mawardi's Ideal Governments

Jonathan Reiswig, University of Central Oklahoma

3:00-3:20 p.m.

Juveniles and Crime: Reforming Children of Nineteenth-Century England

Taylor Wise, Trevecca Nazarene University

CENTER FOR TRANSFORMATIVE LEARNING 237

History

2:20-2:40 p.m.

The Controversial Passage of Proposition 227

Erin Kinney, Hamline University

2:40-3:00 p.m.

The Intersection of Greek and Egyptian Mythology in "The Story of the Greek Princess"

Ashley Huizinga, Dordt College

3:00-3:20 p.m.

The Left's Search For Rights

Tiffany Grochowsky, Rose State College

CENTER FOR TRANSFORMATIVE LEARNING 239

Religious Studies

2:20-2:40 p.m.

Islam in China: The Hui and Uyghur Divide

Katie Mollette, University of Kentucky

3:00-3:20 p.m.

Shifting Categories: Religious, Spiritual, Secular Modern Yoga

Anya Fredsell, Elon University

COMMUNICATIONS BUILDING 105

Art History

2:20-2:40 p.m.

Baroque Influence in Graphic Design

Alex Wong, University of Central Oklahoma

2:40-3:00 p.m.

Birth of First Graphic Design Institution in Zimbabwe, Africa

Mi' Leah Lyons, University of Central Oklahoma

3:00-3:20 p.m.

Defining the Spiritual in Art

Nolan Havig, California State University - Long Beach

COMMUNICATIONS BUILDING 119

Art & Society

2:20-2:40 p.m.

Fashioning Anti Environments: the Subversive Work of Rei Kawakubo and Yohji Yamamoto

Hyunseo Lee, Iowa State University

2:40-3:00 p.m.

The Beauty of Terror: Fear as a Design Tool

Abigail Roe, University of Central Oklahoma

3:00-3:20 p.m.

The Impact of the Disability Rights Movement on Modern Art

Kayla Gray, University of Texas at Arlington

COMMUNICATIONS BUILDING 121

Visual Arts

3:00-3:20 p.m.

Depression and Anxiety Disorder— Take Control of Your Life

Prajakta Prasana, University of the Pacific

STUDENT ORAL SESSION 3 - THU 2:20PM-3:20PM

COMMUNICATIONS BUILDING 200

Music

2:40-3:00 p.m.

Composing from an Image

Maya Jones, Eastern Washington University

COMMUNICATIONS BUILDING 203

Music

2:20-2:40 p.m.

The Poetry of Heinrich Heine and the German Lied

William Ballard, Appalachian State University

2:40-3:00 p.m.

The Technology of Sound and the Development of the Piano

Journé Cotton, Lubbock Christian University

COMMUNICATIONS BUILDING 204

Education

2:20-2:40 p.m.

Bilingual Education and Its Spillover Effects in the Rio Grande Valley

Jose Jose Navarrete, West Texas A&M University

3:00-3:20 p.m.

Building Political Tolerance in a World of Intolerance

Jennifer Lloyd, Elizabethtown College

COMMUNICATIONS BUILDING 206

Education

2:20-2:40 p.m.

Orienting Translingualism as Outward-Facing

Anna Sims, University of Alabama at Birmingham

2:40-3:00 p.m.

Perceived Influence of Veterans in the Classroom

Timothy Harper, Southern New Hampshire University

UNIVERSITY OF CENTRAL OKLAHOMA

COMMUNICATIONS BUILDING 211

Theatre/Drama

2:20-2:40 p.m.

On the Wings of Dramaturgy

Lori Martello, University of Wisconsin - Milwaukee

2:40-3:00 p.m.

Privileged Body: The Importance of the Human Body in Japanese Theater

Payton Williams, Cameron University

3:00-3:20 p.m.

The 1/8th Rule: An Exploration of Race, Sex, and Dion Boucicault's The Octoroon

Truman Griffin, Kennesaw State University

EDUCATION BUILDING 106

Chemical Engineering

2:40-3:00 p.m.

Undergraduate Research: Chemistry Education Through Augmented Reality

Karime Abdeljalek, San Jacinto College Honors Program

EDUCATION BUILDING 111

Nutrition

3:00-3:20 p.m.

Characterizing Food Purchases of Supplemental Nutrition Assistance Program (SNAP) Participants: A Case Study of Grocery Stores in Three Different Wisconsin Metropolitan Areas

Katelyn Kleutsch, University of Wisconsin - Eau Claire

EDUCATION BUILDING 113

Biochemistry

2:20-2:40 p.m.

Deactivation of Aflatoxin B1 by Chemical Treatment

Daniel Lockhart, Lubbock Christian University

STUDENT ORAL SESSION 3 - THU 2:20PM-3:20PM

2:40-3:00 p.m.

Effects of S-nitrosation on Peroxidase Pathways in Brassica Rapa

Aaliyah Grandy, Wells College

3:00-3:20 p.m.

Evaluation of Antimicrobial Activity of ZnO Nanoparticle-Infused Cotton Textile Using Bacterial Agar Diffusion Studies

Monica Reece, Western Carolina University

EDUCATION BUILDING 203

Engineering/Engineering Technology

2:20-2:40 p.m.

Numerical Analysis of Periodic Motion of Tethered Satellite Systems

Grace Genszler, Wheaton College

2:40-3:00 p.m.

Operation of Unmanned Aerial Vehicle (UAV) For the Measurement of Angle of Attack and Sideslip Angle

Fevens Louis Jean, Embry - Riddle Aeronautical University

EDUCATION BUILDING 204

Health Sciences & Public Health

2:20-2:40 p.m.

Are Diagnoses of Uncommon Animal Fungal Diseases Sentient of Climate Cycles?

Alyssa Davis, Lubbock Christian University

EDUCATION BUILDING 206

Business/Finance/Accounting

3:00-3:20 p.m.

Fixed Asset Tracking in Non-Profit Health Care

Koren Thomas, Eastern Connecticut State University

Management

2:20-2:40 p.m.

Renewable Energy Market in Southeast Asia: A Case Study on Vietnam

Nhi Tran, University of North Carolina - Asheville

EDUCATION BUILDING 208

Health Sciences & Public Health

2:40-3:00 p.m.

Qualitative Needs Assessment of Health Care in Ghana, Africa

Paige Baustert, Grand Valley State University

3:00-3:20 p.m.

Quality Review of Glucocorticoid-Induced Osteoporosis Screening in Lupus Patients

Ann Marie O'Connell, Concordia College - Moorhead

EDUCATION BUILDING 210

Engineering/Engineering Technology

2:20-2:40 p.m.

An Experimental Study for Layer Separation of the Tricuspid and Mitral Valves to Investigate Their Biomechanical Properties

Katherine Kramer, University of Oklahoma Norman Campus

3:00-3:20 p.m.

Automation of a Gear/Chain Based Transmission

James Ivey, Midwestern State University

EDUCATION BUILDING 214

Biology

2:20-2:40 p.m.

Manipulation of the Gut Microbiome Modifies Expression of Colorectal Cancer Cells

Camilla Cascardo, Wayne State University

2:40-3:00 p.m.

Metagenomics of Microbial Communities in

STUDENT ORAL SESSION 3 - THU 2:20PM-3:20PM

EDUCATION BUILDING 304

Economics

2:20-2:40 p.m.

Civic Fermentation

Amber Georgakopoulos, University of Wisconsin - Stout

2:40-3:00 p.m.

Competitive Airline Ticket Pricing Strategies

Throy Josephs, Jacksonville University

3:00-3:20 p.m.

Deforestation in the Brazilian Amazon, Measuring the Impact on Farm Production

Jasmine Fuller, Salisbury University

EDUCATION BUILDING 306

Physics

2:40-3:00 p.m.

Gravity After Einstein: Developing A Model To Analyze The Distance To The Moon

Dagmawit Assefa, Wellesley College

3:00-3:20 p.m.

Influence of Surface Morphology on the Contact Angle of Zinc Oxide Nanostructures

Jennifer Burleson, University of Tulsa

EDUCATION BUILDING 308

Electrical Engineering

2:20-2:40 p.m.

A New Method for the Decomposition of Stochastic Petri Nets

Anthony Zinos, Milwaukee School of Engineering

2:40-3:00 p.m.

Design and Fabrication of a Low-cost Large-area Solar Module Characterization System

Lakota Griffis, Kennesaw State University

Acid Mine Drainage

Rachel Last, Simpson University

3:00-3:20 p.m.

Migration of Sensory Neurons Following Chemical-genetic β -cell Ablation in Larval Zebrafish

Amanda Rocker, Salisbury University

EDUCATION BUILDING 301

Chemistry

2:20-2:40 p.m.

C-N Bond Cleavage in Nitrosoalkanes Mediated by Heme Models

Sylvia Giza, University of Oklahoma Norman Campus

2:40-3:00 p.m.

Characterization and Inhibition of Asphaltene Aggregation

Kathryn Humphries, Truman State University

3:00-3:20 p.m.

Closing the Nuclear Fuel Cycle: Synthesis of a Tetra-aza Ligand

Samantha Labb, Salisbury University

EDUCATION BUILDING 302

Ecology & Organismal Biology

2:20-2:40 p.m.

Effect of Soil Biota Presence and Absence on Lathyrus japonicus Germination, Growth, and Dry Biomass

Rachel Sims, Valparaiso University

2:40-3:00 p.m.

Effects of Ectoparasites on Survivorship and Reproduction of Peromyscus Leucopus

Stephanie Dea, Albright College

STUDENT ORAL SESSION 3 - THU 2:20PM-3:20PM

EDUCATION BUILDING 310

Law & Legal Studies

2:20-2:40 p.m.

Over-Due Process: Federalism, Selective Incorporation, and the Warren Court

Sarah Warren, Florida State University

2:40-3:00 p.m.

Should Patents or Exclusions Be Allowed on Pharmaceutical Drugs Which Would Prohibit the Engineering of Biosimilar Medicine?

Julia Bates, Ithaca College

3:00-3:20 p.m.

The Controversy of the Computer Fraud and Abuse Act

Polina Mazunina, University of West Florida

EDUCATION BUILDING 311

Biology

2:20-2:40 p.m.

Assessing the Biodiversity of the Microscopic Moss Forests of Rock Island County (IL)

Sarah Lipps, Augustana College

2:40-3:00 p.m.

Assessment of Seasonal Variation in Amphibian Infectious Diseases in Central Oklahoma

Sierra Smith, University of Oklahoma Norman Campus

3:00-3:20 p.m.

*Characterization of the Progametic Phase in *Ruppia Maritima**

Dayton Oki, Creighton University

EDUCATION BUILDING 312

Cell & Molecular Biology

2:20-2:40 p.m.

Cell Separation: the Christmas Story You Haven't Heard

Kelly Goode, NC State University

2:40-3:00 p.m.

Characterization of Midkine-a (Mdka) Function During Caudal Fin and Retinal Regeneration in Adult Zebrafish

Nicholas Ang, Wayne State University

3:00-3:20 p.m.

Characterization of the Wnt Signaling Pathway in Calcific Aortic Valve Disease

Andrea Dunlap, Asbury University

NIGH UNIVERSITY CENTER 300

Psychology

2:20-2:40 p.m.

The Effects of Incentive on Sustained Attention Among Adults High and Low in ADHD-like Symptoms

Emily Connell, Westminster College

2:40-3:00 p.m.

Examining Resiliency and Life Satisfaction In College Students

Hannah Richards, College of St Scholastica

NIGH UNIVERSITY CENTER 301

Social Work

2:40-3:00 p.m.

Conceptualizing Allyship as an Actionable Construct in Higher Education

Shannon Radford, Bridgewater State University

3:00-3:20 p.m.

Quantitative and Qualitative Analysis of Peer-Delivered Gatekeeper Program's Impact

Sophia Thoen, University of Wisconsin - Eau Claire

NIGH UNIVERSITY CENTER 304

Psychology

2:20-2:40 p.m.

Psychodermatology: Assessing Interactions

STUDENT ORAL SESSION 3 - THU 2:20PM-3:20PM

NIGH UNIVERSITY CENTER 320B

Sociology

2:40-3:00 p.m.

Atarashi Wavu (newwave)

Robert Mack, Western Carolina University

NIGH UNIVERSITY CENTER 320C

Criminology/Criminal Justice

2:20-2:40 p.m.

LGBT+ Concealed Carry Rates Before and After the Pulse Nightclub Shooting

Catherine Kleindl, Hamline University

2:40-3:00 p.m.

Prison to Prison Pipeline: an International Comparative Analysis of Prisoner Reintegration Best Practices

Jeremy Thompson, Connors State College

3:00-3:20 p.m.

The Collaborative Process: How Law Enforcement Agencies and Universities Research Together

Steiner Houston, Weber State University

OLD NORTH 205

Sustainability

2:40-3:00 p.m.

Nudging Away from Plastic Bag Use Through a Donation Program in University Convenience Stores

Josey Moore, University of Kentucky

3:00-3:20 p.m.

Social-Ecological Dynamics of Pollinators and Pastoralists in Simanjiro, Tanzania

Hannah Dresang, Colorado State - Colorado State University- Cooperative Extension- Jefferson Co

Between the Skin and Mind

Jolene Sysak, Brooklyn College

2:40-3:00 p.m.

Blanket Inoculation of Attitudes

Hawa Conteh, Iowa State University

NIGH UNIVERSITY CENTER 312

Women and Gender Studies

2:20-2:40 p.m.

A Comparison of Domestic Violence Policy in the U.S. and Spain

Brendan Bialy, State University of New York-Brockport

3:00-3:20 p.m.

Abstract: From Mustache to Manicure: The Evolving Role of Witches in Entertainment

Ashlyn Sparks, Jacksonville University

NIGH UNIVERSITY CENTER 314

Computer Science

2:20-2:40 p.m.

Application of Three-Dimensional Modeling and Machine Learning to Classifying Ancient West Mexican Ceramic Figures

Alfredo Velasco II, University of Tulsa

2:40-3:00 p.m.

Automated Course Advising System ACAS for Philander Smith College

D'Marco Griffin, Philander Smith College

3:00-3:20 p.m.

Beamforming with Neural Networks

Oleksandr Loyko, City University of New York-Brooklyn College

STUDENT ORAL SESSION 3 - THU 2:20PM-3:20PM

OLD NORTH 206

Mathematics

2:20-2:40 p.m.

Chordial Inverses of Functions

Lawrence Dongilli, University of Central Oklahoma

3:00-3:20 p.m.

Classifying Eisenstein Polynomials of Degree 2p

Nicholas Hadgis, Elon University

OLD NORTH 207

Environmental Studies & Sciences

2:40-3:00 p.m.

Benthic Macroinvertebrates as Biological Indicators of the Cache La Poudre River

Katie Dorman, University of Northern Colorado

3:00-3:20 p.m.

Characterizing Problematic Plants in the Drylands of Tanzania

Connor McCarty, Colorado State - Colorado State University- Cooperative Extension- Jefferson Co

OLD NORTH 208

Neuroscience

3:00-3:20 p.m.

A History of Enriching Experiences Alters the Impact of a Single Exposure to Enrichment on Hippocampal Neurons

Samara Santiago, Appalachian State University

OLD NORTH 211

Astronomy

2:20-2:40 p.m.

Orbiting Extragalactic Bodies and the Evolution of Exponential Profiles in Galactic Disks

Alexander Criswell, Iowa State University

STUDENT ORAL SESSION 4 - THU 3:40PM-4:40PM

STUDENT ORAL SESSION 4 - THU 3:40PM-4:40PM

BUSINESS BUILDING 105

Communications

3:40-4:00 p.m.

Feminist K-pop Fans and Their Connective Action on Twitter

Yena Lee, University of California, Berkeley

4:20-4:40 p.m.

From Singer to Vocalist: An Exploration of How Jazz Vocalists Establish Authenticity at Jam Sessions

Rachel Tucker, North Central College

BUSINESS BUILDING 108

Interdisciplinary Studies

3:40-4:00 p.m.

Bronze to Iron: Exploring How Different Metals Affect the Overtones of Carillon Bells

David Marshall, University of Rochester

4:00-4:20 p.m.

Building Relationships, Bridging Resources: Mapping a City's Art and Cultural Assets

Layne Cole, Concordia College - Moorhead

4:20-4:40 p.m.

Coding as Classical Scholarship

Virginia Felkner, University of Oklahoma Norman Campus

BUSINESS BUILDING 110

Philosophy & Ethics

3:40-4:00 p.m.

A Consequentialist Continuum of Environmental Ethics

Zachary Hesse, Juniata College

4:00-4:20 p.m.

A Misconception Regarding the Constitution of Personal Identity

Eitana Friedman-Nathan, Muhlenberg College

4:20-4:40 p.m.

A New Phenomenological Definition of Violence: Why the Language We Use Matters

Loni Taber, Eastern Washington University

BUSINESS BUILDING 112

Literature

3:40-4:00 p.m.

Being Ace Is Great Until It Gets You Turned into a Tree: Identifying and Exploring Asexuality in Ovid's Metamorphoses

Ana Paez, Cameron University

4:00-4:20 p.m.

Breaking Down Feminism with "Yellow Woman"

Michelle Rawls, University of Central Oklahoma

4:20-4:40 p.m.

Christian Housewife vs. Individualist Scientist: The Conflicting Themes of "A Wrinkle in Time"

Kimberly Dalton, Roanoke College

BUSINESS BUILDING 125

Literature

3:40-4:00 p.m.

Power vs. Power

Kodie Binswanger, University of Central Oklahoma

4:00-4:20 p.m.

Reading Between the Lines: Narrative Style and Feminism in Jeffrey Eugenides's the Virgin Suicides

AsJa Cole, University of Central Oklahoma

STUDENT ORAL SESSION 4 - THU 3:40PM-4:40PM

4:20-4:40 p.m.

She Doesn't Need Your Pity: the Abandonment of the Damsel in Distress Within Young Adult Literature

Cathlyn Rhoads, University of Central Oklahoma

BUSINESS BUILDING 205

English

3:40-4:00 p.m.

"Be Valued 'Gainst Your Wife's Commandement": Homosexuality and Marriage in Shakespeare's The Merchant of Venice

Mikaela Dalton, Jacksonville University

4:00-4:20 p.m.

"Help the Pakistani Girl!"- How Orientalism Has Impacted Teen Novels of the Twenty-Teens

Cheyenne Marski, University of Central Oklahoma

4:20-4:40 p.m.

"Hold Me, Gerty, Hold Me, or I Shall Think of Things": Lily's Queerness, Resistance, and Intimacy in the House of Mirth

Skye Rutherford, Carthage College

BUSINESS BUILDING 207

English

3:40-4:00 p.m.

Fake News: Political Satire in the Age of President Trump

Landon Graham, Utah State University

4:00-4:20 p.m.

Fitzgerald Finds Freedom Through Gatsby

Kelly Terjesen, Pepperdine University

4:20-4:40 p.m.

Fueling "Hope on a Tightrope": Queering August Wilson's Fences and Arthur Miller's Death of a Salesman

Joseph Davidson, Hamline University

BUSINESS BUILDING 209

English

3:40-4:00 p.m.

Picture This: African American Cultural Representation in Children's Literature

Lindsay Pattavina, Eastern Connecticut State University

4:00-4:20 p.m.

Post-Colonial Anxiety And The Fall From Eden In Jean Rhys's Wide Sargasso Sea

Zoie Timothy, Cameron University

4:20-4:40 p.m.

Pride of a Veteran

dalton krase, University of Central Oklahoma

BUSINESS BUILDING 210

English

3:40-4:00 p.m.

Themes of Sexism and Justice in Trifles

Tiernan Shaw, Texas Woman's University

4:20-4:40 p.m.

Vengeance Is Ours: Critical Empathy & Safe Spaces in Horror Films

David Hooker, Bridgewater State University

BUSINESS BUILDING 211

Political Science

3:40-4:00 p.m.

Dress Codes in the Workplace and the Perceptions of Appearance

Marlena Mareno, Siena College

4:00-4:20 p.m.

Energy Projects: China's New Diplomatic Tool

Rebecca Wai, Lafayette College

4:20-4:40 p.m.

Environmental Realism and Forest Management in Oregon

David Giglio, Corban University

BUSINESS BUILDING 212

Political Science

3:40-4:00 p.m.

State Failure and Immigration in Afghanistan

Fareed Ahmadi, Norwich University

4:00-4:20 p.m.

The 1986 Comprehensive Anti-Apartheid Act

nicholas wooden, University of Central Oklahoma

4:20-4:40 p.m.

The American Perception and Ideology on Refugees

Onur Basman, Florida Atlantic University

CENTER FOR TRANSFORMATIVE LEARNING 101

African American Studies

4:00-4:20 p.m.

The Effect of Immigration on the Culture of Igbo Nigerians in America

Fortunate Ekwuruke, Brooklyn College

4:20-4:40 p.m.

The Effects of Race/ Ethnicity and Skin Complexion on Decision-Making: Examining Service Referral, Service Provision, and Placement Decisions for Black Girls in the Child Welfare System

Lexi Ivers, American University

CENTER FOR TRANSFORMATIVE LEARNING 108

International Studies

3:40-4:00 p.m.

STUDENT ORAL SESSION 4 - THU 3:40PM-4:40PM

Compliance of the Kyoto Protocol

Krista Vandetty, Susquehanna University

CENTER FOR TRANSFORMATIVE LEARNING 109

International Studies

3:40-4:00 p.m.

Social Inequality Reform in Rural China: A Case Study on Changing Gender Norms Within Policy Implementation

Dakota DelValle, Long Island University

4:20-4:40 p.m.

The Effects of Temporary Protected Status on the Lives of Recipients

Lauren Fay, American University

CENTER FOR TRANSFORMATIVE LEARNING 117

History

3:40-4:00 p.m.

A Professor's Experience in Indonesia: Examining the Partnership Between University of Kentucky and Bogor Agricultural College 1957-1966

Adam Murphy, Eastern Connecticut State University

4:00-4:20 p.m.

Abigail Adams and the Power of Correspondence: Exploring Women's Role During the American Revolution

Isabel Bustos, Mount St. Mary's College - Los Angeles

CENTER FOR TRANSFORMATIVE LEARNING 118

History

3:40-4:00 p.m.

Kentucky Slavery: The Historiography of Human Property Records

Andrew Johnson, University of Kentucky

STUDENT ORAL SESSION 4 - THU 3:40PM-4:40PM

4:00-4:20 p.m.

Local Impact of the Establishment and Preservation of the Buffalo National River
Coplea Donley, John Brown University

CENTER FOR TRANSFORMATIVE
LEARNING 237

History

3:40-4:00 p.m.

The Man on the Monument: The Lost Cause and Race Relations in a Southern Small Town
Hayley McCulloch, Appalachian State University

4:00-4:20 p.m.

The Neighbor-to-Neighbor Slave Trade
Jordan Shuck, University of Kentucky

4:20-4:40 p.m.

The New Negro: Its Influence and Contention Within Harlem
Evan Webb, Arkansas Tech University

CENTER FOR TRANSFORMATIVE
LEARNING 239

Religious Studies

3:40-4:00 p.m.

The Body Is the Enemy: Julia Foote's Experience as a Nineteenth Century African-American Christian Woman
Moriah Reichert, Capital University

4:00-4:20 p.m.

Moses, Creation, and Egyptian Mythology: A Look at the Biblical Creation Account Through the Lens of Egyptian Mythology While Maintaining the Integrity of the Hebrew Myth
Victoria Mann, Dordt College

4:20-4:40 p.m.

The History of the Clear Lake Islamic Center
Ameera Mustafa, San Jacinto College Honors Program

COMMUNICATIONS BUILDING 105

Art History

3:40-4:00 p.m.

Development of an Online Digital Archive: The Influence of the Migratory Experience on Puerto Rican Art
Dailyn Irizarry Montes, University of Puerto Rico - Rio Piedras Campus

4:00-4:20 p.m.

Disjunctive Reception of Camilo Egas's Art in Ecuador and New York City
Gabriela Larkin, George Mason University

4:20-4:40 p.m.

Duchamp and the Ontology of Art
Emily Wilder, Kennesaw State University

COMMUNICATIONS BUILDING 119

Art & Society

3:40-4:00 p.m.

Darker Planets
Gabriel Tomlin, University of Kentucky

4:00-4:20 p.m.

Towards a Theory of Museological Recuperation
Kathryn Carney, Virginia Commonwealth University

COMMUNICATIONS BUILDING 121

Visual Arts

3:40-4:00 p.m.

Folk Art and Ancestry: German Jewish Creation Through Time
Amelia Rosenberg, University of North Carolina - Asheville

STUDENT ORAL SESSION 4 - THU 3:40PM-4:40PM

4:00-4:20 p.m.

Designing Domestic Violence Awareness
Erik Edelman, State University of New York-Brockport

4:20-4:40 p.m.

Interaction Is the Future of Graphic Design
Jordyn Richardson, University of Central Oklahoma

COMMUNICATIONS BUILDING 200

Music

3:40-4:00 p.m.

Creative Endeavors
Jesse Fair, Trevecca Nazarene University

COMMUNICATIONS BUILDING 203

Music

4:00-4:20 p.m.

Vile Heart: A Piece for Trumpet and Electronics
June Aino, Central Connecticut State University

COMMUNICATIONS BUILDING 204

Education

3:40-4:00 p.m.

Cognitive Science Protocols and Their Rule in Enhancing Students Learning
TIARA TRAVIS, University of Central Oklahoma

4:00-4:20 p.m.

Community Super Investigators (CSI) Club: Math and Literacy in Action
Susana Salazar velez, University of Kentucky

4:20-4:40 p.m.

Conference: Identifying Challenges for Elementary Educators: Implementing the Oklahoma Academic Science Standards NSG Grant Award #1743831
Matthew Bradbury, University of Central Oklahoma

COMMUNICATIONS BUILDING 206

Education

3:40-4:00 p.m.

Standards and Assessment: A Comparative Analysis of Equitable Composition Processes and Outcomes
Aidan Williams, Missouri State University

4:00-4:20 p.m.

Stepping Away from Sitting Still: Differentiating Instruction for Children with ADHD
David Peterson, Dominican University of California

COMMUNICATIONS BUILDING 211

Theatre/Drama

3:40-4:00 p.m.

The Dehumanization of Plus Size Women in Theatre
Amy Reynolds, Kennesaw State University

4:00-4:20 p.m.

Women in the Underworld: a Look at the Stones in Sarah Rubl's "Eurydice"
Olivia Wells, University of Central Oklahoma

4:20-4:40 p.m.

Thread City Moment Work
Julia Leitao, Eastern Connecticut State University

EDUCATION BUILDING 106

Kinesiology & Exercise Science

3:40-4:00 p.m.

An Acute Bout of Exercise Improves Mood Which May Enhance Trust
Sara Brakke, St. Catherine University

4:00-4:20 p.m.

Athletic Trainer's Educational Satisfaction and Technique Use Within the Psychosocial Intervention and Referral Content Area
Sungyong Eom, University of the Pacific

STUDENT ORAL SESSION 4 - THU 3:40PM-4:40PM

4:20-4:40 p.m.

Effects of Maximal Exercise on Working Memory

Evan Mayhan, Georgia College and State University

EDUCATION BUILDING 111

Nutrition

3:40-4:00 p.m.

Tracking the Use of Free Fruit and Vegetable Coupons Given to Families and Assessing the Impact on Children's Consumption

Nathan Gilger, University of Wisconsin - Eau Claire

4:00-4:20 p.m.

Cola, Candy, and Cake, Oh My! Assessing Consumer Knowledge of Added Sugars

Courtney Vanderheiden, St. Catherine University

4:20-4:40 p.m.

Evaluation of a Nutrition Education Program: Buy Eat Live Healthy's Suitability and Usefulness to Refugees

Thomata Doe Doe, Iowa State University

EDUCATION BUILDING 113

Biochemistry

3:40-4:00 p.m.

Examining the Architecture of Focal Adhesion Kinase

Faleesia Willis, Iowa State University

4:00-4:20 p.m.

Flotation Tank and Psychological Disorders

Juan Alvarado, University of Tulsa

4:20-4:40 p.m.

*Identification of Vaginal Bacterial Species That Are Mutually and Differentially Antagonistic with Strains of *Candida albicans**

Andrea Prenkocevic, Wayne State University

EDUCATION BUILDING 203

Engineering/Engineering Technology

4:00-4:20 p.m.

Parameter Governing Impact and Damage Due to Erosion of Barrier Islands by Hurricanes

Evan Mazur, University of South Alabama

4:20-4:40 p.m.

Peer Mentoring in Robotics Labs

Laura Delgadillo, San Jacinto College Honors Program

EDUCATION BUILDING 204

Health Sciences & Public Health

4:00-4:20 p.m.

Attitudes and Perceived Barriers of College Students Regarding Active Commuting to Campus

Keara Rypien, Eastern Washington University

4:20-4:40 p.m.

Attitudes and Perceived Barriers to Physical Activity Among Tribal Members Living On and Off the Colville Indian Reservation

Alicia Edwards, Eastern Washington University

EDUCATION BUILDING 206

Business/Finance/Accounting

4:20-4:40 p.m.

London King's Cross

Corey Bornemann, University of Central Oklahoma

EDUCATION BUILDING 208

Health Sciences & Public Health

3:40-4:00 p.m.

Post-Partum Depression Screening in a Community-Based Sample of Mothers Visiting WIC Clinics

Vidhya Balasubramanian, University of North Carolina, Charlotte

STUDENT ORAL SESSION 4 - THU 3:40PM-4:40PM

4:00-4:20 p.m.

Charlotte, NC Health System Performance Gaps in HIV Continuum of Care

Quinn Barnette, University of North Carolina, Charlotte

4:20-4:40 p.m.

Representing the Molecular Basis of Translational Exposomic Research

Nicole Burnett, University of Utah

EDUCATION BUILDING 210

Engineering/Engineering Technology

4:20-4:40 p.m.

Characterization of Aliphatic Urethane Shape Memory Polymers for the Treatment of Intracranial Aneurysms

Robert Kunkel, University of Oklahoma Norman Campus

EDUCATION BUILDING 214

Biology

3:40-4:00 p.m.

*Novel Insights into the Subspecies Status of *Toxorhynchities rutilus rutilus**

Corey Day, Western Carolina University

4:00-4:20 p.m.

*PCR Validation of Glycoside Hydrolase Families 43 and 44, Coding for Putative Plant Cell Wall Degrading Enzymes, in the Emerald Ash Borer (*Agrilus planipennis*) Genome*

Peyton Murin, University of Memphis

4:20-4:40 p.m.

*Perfect Chronic Skeletal Muscle Regeneration in the African Spiny Mouse (*Acomys*)*

Aaron Sandoval, University of Florida

EDUCATION BUILDING 301

Chemistry

3:40-4:00 p.m.

Developing a Sensitive Stripping Voltammetric Method to Detect Lead in Water and Soil

Abigail Praklet, Indiana University at South Bend

4:00-4:20 p.m.

Development of a Fatty Acid Methyl Esters (FAME) Assay for Biodiesel by Fourier Transform Infrared Spectroscopy (FT-IR)

Elvin Cabrera, Eastern Washington University

Psychology

4:20-4:40 p.m.

Effects of Touch Sensation on the Me1 and Me2 of Self-Referential Processing

Afton Nelson, Webster University

EDUCATION BUILDING 302

Ecology & Organismal Biology

3:40-4:00 p.m.

*Effects of the Quagga Mussel on the Infection of *Daphnia dentifera* by the Fungus, *Metschnikowia bicuspidata**

Joseph McDermott, Lewis University

4:00-4:20 p.m.

Effects of Zinc Dose on Rumens Dry Matter Digestibility in Vitro

Natalie Hodgman, Colorado State - Colorado State University- Cooperative Extension- Jefferson Co

4:20-4:40 p.m.

Evaluating Nutrient Cycling and Soil Biological Activity in Crop Rotation

Leanne Makens, Colorado State - Colorado State University- Cooperative Extension- Jefferson Co

STUDENT ORAL SESSION 4 - THU 3:40PM-4:40PM

EDUCATION BUILDING 304

Economics

3:40-4:00 p.m.

Disappointment Aversion and Financial Asset Preferences

Mariah Collier, Pacific Lutheran University

EDUCATION BUILDING 306

Physics

4:00-4:20 p.m.

Investigating the Regener-Pfotzer Maximum During a Total Solar Eclipse

Alynie Walter, St. Catherine University

EDUCATION BUILDING 308

Electrical Engineering

3:40-4:00 p.m.

Employing Embedded Systems to Provide Information on Hit and Run Accidents

Lawrence Mondal, Eastern Washington University

4:00-4:20 p.m.

Fielding an Electromagnetic Railgun on a M109A6 Paladin Howitzer

Adam Croteau, Eastern Washington University

4:20-4:40 p.m.

Physical Activity Recognition

Fred Washburn, Jacksonville University

EDUCATION BUILDING 311

Biology

3:40-4:00 p.m.

*Degeneration of a Nuclear rRNA Group I Intron in the Lichen *Teloschistes chrysophthalmus**

Audrey Codina, University of Nebraska at Kearney

4:20-4:40 p.m.

Determining Coyote-Wolf Hybridization in

Minnesota and Wisconsin by Using the Mitochondrial DNA

Taylor Soto, University of Wisconsin - River Falls

EDUCATION BUILDING 312

Cell & Molecular Biology

3:40-4:00 p.m.

Characterizing Lipogems[®]: Micro-Fragmented Fat for Tissue Regeneration

Amany Alshibli, University of Tennessee at Knoxville

4:00-4:20 p.m.

*CXCL1 Regulates Host Immune Response to *Streptococcus pneumoniae* Induced Pneumonia Via CXCL2*

Joseph DeCorte, Louisiana State University, Baton Rouge

4:20-4:40 p.m.

Detection of SLC44A2 Protein in HPV- and HPV+ Cancer Cell Lines Using Whole Cell Lysates and the Co-Precipitation of SLC44A2 with CD81

Lucy Yang, University of Michigan

NIGH UNIVERSITY CENTER 300

Psychology

3:40-4:00 p.m.

The Moderating Effects of Ethnicity and Gender on Ethnocultural Empathy

Nubia Briones, St. Edward's University

4:00-4:20 p.m.

Examining the Effect of Diet on Mesolimbic Dopamine Release and Psychostimulant Addiction

Jasric Bland, University of Memphis

STUDENT ORAL SESSION 4 - THU 3:40PM-4:40PM

NIGH UNIVERSITY CENTER 301

Social Work

3:40-4:00 p.m.

The Field of Mental Health

Kaitlyn Lindsey, Texas A&M University - Texarkana

NIGH UNIVERSITY CENTER 304

Psychology

4:00-4:20 p.m.

Can Priming of Rudeness or Politeness Prompt Rude or Polite Behavior?

Maryenia Hernandez, North Central College

4:20-4:40 p.m.

Reciprocal Effects of Relationships and Interactions Between Humans and Green Iguanas

Taylor Simmons, Bethel College

NIGH UNIVERSITY CENTER 312

Women and Gender Studies

3:40-4:00 p.m.

Acts of Resistance Among Young Muslim Women

Leya Maloney, Fordham University

4:00-4:20 p.m.

Beyond the Veil: Exploring the Many Layers of Muslim Women's Identity in Nice, France

Chikondi Kulemeke, St. Mary's College of Maryland

4:20-4:40 p.m.

Black and Blue in BDSM

Niani Jones, Brooklyn College

NIGH UNIVERSITY CENTER 314

Computer Science

3:40-4:00 p.m.

Blocks for Bees: Building the Blockchain for Bees

Alisha Sprinkle, Appalachian State University

4:00-4:20 p.m.

Classification of Art Painting's Genre with Bag of Words Model Based on RGB-SURF Algorithm

Ximing Lu, University of Washington, Seattle

4:20-4:40 p.m.

Computational and Network Utilization for Virtual Training Using Thin Clients

Chandler Lattin, University of Central Florida

NIGH UNIVERSITY CENTER 320B

Sociology

3:40-4:00 p.m.

Childhood Neighborhoods' Effect on Adolescent and Adulthood Self-Esteem and Self-Efficacy

Daniel Noller, University of Michigan

4:00-4:20 p.m.

Community-Based Alternatives for Mental Health Crisis Dispatch

Peyton Provenzano, University of California, Berkeley

4:20-4:40 p.m.

Cultural Capital Among Zero Waste Consumers

Anna VanRemoortel, Wheaton College

NIGH UNIVERSITY CENTER 320C

Criminology/Criminal Justice

4:00-4:20 p.m.

The Effect of Cultural Background and Involvement in On-Campus Organizations on the Drinking Habits of College Students

Muneeba Azam, George Mason University

4:20-4:40 p.m.

The Land of the Free and the Home of the Incarcerated: Implementing New Ideas from Norway

Haley Johnson, Western Carolina University

STUDENT ORAL SESSION 4 - THU 3:40PM-4:40PM

OLD NORTH 205

Sustainability

3:40-4:00 p.m.

Aligning End User Identified Issues with a Campus Sustainability Plan

Zachery Lescowitch, King's College

OLD NORTH 206

Mathematics

3:40-4:00 p.m.

Clean Lattice Tetrahedra

Thomas Luckner, Eastern Connecticut State University

4:00-4:20 p.m.

Comparative Analysis of Students' Performance Between Online and on Campus in an Introductory Statistics Course

Kendal McDonald, Georgia College and State University

4:20-4:40 p.m.

Comparing the Local Convergence Analysis of Some Newton - Like Methods for Solving Equations

Nirjal Shrestha, Cameron University

OLD NORTH 207

Environmental Studies & Sciences

4:00-4:20 p.m.

Climate, Pastoralism, and Land Use in Simanjoro, Tanzania

Alix Messer, Colorado State - Colorado State University- Cooperative Extension- Jefferson Co

4:20-4:40 p.m.

Co-Existence Ecology of Large Predators in Belize

Brogan Holcombe, Virginia Polytechnic Institute & State University

OLD NORTH 208

Neuroscience

3:40-4:00 p.m.

A Novel Enrichment Experience Affects the Basolateral and Lateral Amygdala Differently in Adolescent Rats

Carly Peggs, Appalachian State University

4:00-4:20 p.m.

A Reaction Time Advantage: Comparative Study of Early Training and Duration in Musicians and Athletes

Morgan Widina, Westminster College

OLD NORTH 211

Nursing

3:40-4:00 p.m.

Age and Gender Influence Survival After Aneurysmal Subarachnoid Hemorrhage

Allison O'Handley, University of Pittsburgh School of Nursing

4:00-4:20 p.m.

Alarm Safety Management in Cardiac Monitoring

Gabriela Silva, University of West Florida

4:20-4:40 p.m.

Can Augmented Reality Accelerate Targeted Medication Safety Training: a Simulation Exemplar

Sarah Miccolis, University of Pittsburgh School of Nursing

STUDENT ORAL SESSION 5 - FRI 8:30AM-9:30AM

BUSINESS BUILDING 105

Communications

8:30-8:50 a.m.

Leading Colors: Employee Personalities and

Supervisors' Leadership Styles

Kaleigh May, Capital University

8:50-9:10 a.m.

Made in Colombia-Drugs, War and Violence: The Framing of Colombia in the New York Times vs. Tourists' Perception

Skyler de Groot, Elon University

BUSINESS BUILDING 108

Interdisciplinary Studies

8:30-8:50 a.m.

Curanderismo

Alejandra Morales, San Jacinto College Honors Program

9:10-9:30 a.m.

Glass Cuts Deeper: an Exploration of Appalachian Art Through Lens of Clogging, Crafting, and Cooking

Kara Dotten, The University of Virginia's College at Wise

BUSINESS BUILDING 110

Philosophy & Ethics

8:30-8:50 a.m.

Affluenza: The Great Plague of The 21st Century

Sarah White, Wittenberg University

8:50-9:10 a.m.

Are Scientific Models of Life Testable? Lessons from Simpson's Paradox and Philosophy of Science

Nolan Grunski, Montana State University Bozeman

BUSINESS BUILDING 112

Literature

8:30-8:50 a.m.

Deviancy and Delinquency in Young Adult

STUDENT ORAL SESSION 5 - FRI 8:30AM-9:30AM

Dystopian Literature: The Effect of Societal Definitions of Deviancy and Delinquency on Adolescent Behavior in Veronica Roth's Divergent and Marie Lu's Legend

Nicole Sagapolutele, Chaminade University of Honolulu

8:50-9:10 a.m.

Displaced Desires: The Objet Petit A in David Foster Wallace's Brief Interviews with Hideous Men

Jeffery Martin, University of West Florida

9:10-9:30 a.m.

Do Androids Dream of Electric Sheep?: Cyborg Feminist Theory and Escaping Systematic Oppression

Rachel Shomer, Augusta University

BUSINESS BUILDING 125

Literature

8:50-9:10 a.m.

Social Sin: Book Bannings and To Kill a Mockingbird's Interpretation of Southern Rape Fear

Amber Thompson, Southwestern Oklahoma State University

9:10-9:30 a.m.

Reading Erdrich's "Fleur" Through a Feminist Theory Lens: How Native American Feminism Has Shaped the Fourth Wave

AsJa Cole, University of Central Oklahoma

BUSINESS BUILDING 126

Poetry & Creative Writing

8:30-8:50 a.m.

"I Don't Know Who I Am Today": the Evolution of Identity Through Poetry

Peyton Sibert, The University of Findlay

STUDENT ORAL SESSION 5 - FRI 8:30AM-9:30AM

8:50-9:10 a.m.

Through the Darkness and the Night : A Female Protagonist Representing Plus-Size Women

Kelsey Nevius, The University of Findlay

9:10-9:30 a.m.

Every Metal Grate: Exploring Identity as a Social Construct

Emma DePanise, Salisbury University

BUSINESS BUILDING 205

English

8:30-8:50 a.m.

"I Seed De Beginning, En Now I Sees De Endin": the Journey from Origin to Wilderness in William Faulkner's the Sound and the Fury

Daisy Rosenstock, Carthage College

8:50-9:10 a.m.

"In These Rooms": A Bakhtinian Analysis of Narcotics Anonymous Discourse

Sandesh Pokharel, Cameron University

9:10-9:30 a.m.

"The Thing": an Exploration into 20th Century Consumer Culture, Black Shame, and Toni Morrison's the Bluest Eye

Margaret White, Carthage College

BUSINESS BUILDING 207

English

8:30-8:50 a.m.

Gaslighting and Conceptions of Madness in Victorian Literature

Angela Willbanks, Arkansas State University

9:10-9:30 a.m.

Ghosts and Time Travel: Speculative Fiction in Neoslave Narratives

Cassidy Woods, Luther College

BUSINESS BUILDING 209

English

8:30-8:50 a.m.

Proportion, Conversion, and Psychotherapy: Social Critique in Virginia Woolf's Mrs. Dalloway

Dylan Reber, University of West Georgia

9:10-9:30 a.m.

Reconciliation of Science and Spirituality Through the Modus Operandi of Solomon's House in Sir Francis Bacon's New Atlantis

Patrick Ralph, William Peace University

BUSINESS BUILDING 210

English

9:10-9:30 a.m.

What Happened to Day Five?: Problems with the Past in Kazuo Ishiguro's "The Remains of the Day"

Kaitlyn Buls, Luther College

BUSINESS BUILDING 211

Political Science

8:50-9:10 a.m.

Examining the Relationship Between Political Knowledge and Efficacy

Zachary Isaacs, Aquinas College

9:10-9:30 a.m.

Fascism Here, Fascism Everywhere: Concerning Trends in American Politics and Their Potential Global Impact

Rudy Martinez, Texas State University - San Marcos

BUSINESS BUILDING 212

Political Science

8:30-8:50 a.m.

The Balance Between National Security and Constitutional Principles in the War on Terror

David DeFelice, Duquesne University

STUDENT ORAL SESSION 5 - FRI 8:30AM-9:30AM

8:50-9:10 a.m.

The Damage of Corruption to Human Development

Jonathan Mangrum, Georgia College and State University

9:10-9:30 a.m.

The Determinants of Death Penalty Policy

Christina Martin, Susquehanna University

CENTER FOR TRANSFORMATIVE LEARNING 101

Anthropology & Archeology

9:10-9:30 a.m.

An Anthropological Perspective on Cultural Relativism and Moral Absolutism: A Case Study

Shareena Parks, Eastern Washington University

CENTER FOR TRANSFORMATIVE LEARNING 108

International Studies

8:30-8:50 a.m.

Encouraging Educational Advancement: The Determination of One Organization to Improve the Lives of Migrant Youth

Shelby Busha, Long Island University

8:50-9:10 a.m.

Ethical Expats?: A Study of Social Responsibility Within the Expat Community in Chiang Mai, Thailand

Alanna Tenney, Long Island University

9:10-9:30 a.m.

Examining the Political Nature of Crisis Communications in China: a Case Study of Government Response and Public Perceptions During Typhoon Hato

Katherine Kelly, Long Island University

CENTER FOR TRANSFORMATIVE LEARNING 109

International Studies

8:30-8:50 a.m.

The Expatriate Experience: An Examination of the Effects of Gender and Workplace Norms on Expat Workers in Japan

Katrina Sipin, George Mason University

8:50-9:10 a.m.

The Importance of Social Movements in Transitions of Power in Senegal

Madeline Flamik, State University of New York-Genesee

9:10-9:30 a.m.

The Perception Gap Over Nuclear Proliferation in the Middle East

Shawn McFall, Claremont McKenna College

CENTER FOR TRANSFORMATIVE LEARNING 117

History

8:30-8:50 a.m.

Autonomy Under the Abbasid Caliphate

Logan Big Eagle, Oklahoma State University

8:50-9:10 a.m.

Betty Crocker and Rosie the Riveter: The Changing Roles of American Women Entering the Workforce During World War II

Kelli Knerr, Eastern Washington University

9:10-9:30 a.m.

BioBlitz: A Complement to the Cultural History of an Area

Caroline Smith, Stevenson University

STUDENT ORAL SESSION 5 - FRI 8:30AM-9:30AM

CENTER FOR TRANSFORMATIVE
LEARNING 118

History

8:30-8:50 a.m.

Medieval Art

Paula Cardenas, University of Central Oklahoma

8:50-9:10 a.m.

*Monotheism, Misogyny, and Homophobia:
Diffusion and the Origins of Gender and Sexual
Oppression; Because God Said So*

Bradley Havenar, University of Central Oklahoma

9:10-9:30 a.m.

*More Than a Legend: the Story of the Murder
on the Olympia*

Lacey Mickler, Jacksonville University

CENTER FOR TRANSFORMATIVE
LEARNING 237

History

8:30-8:50 a.m.

The Origins of Bay Area Hip Hop

Alexandra Schumacher, Dominican University of
California

9:10-9:30 a.m.

*The Representational Value of America: the
Mystery Behind the Native American Illustrations
During the American Revolution*

Jewan Attallah, Valparaiso University

CENTER FOR TRANSFORMATIVE
LEARNING 239

Religious Studies

8:30-8:50 a.m.

*The Role of a Youth Pastor After Mandatory
Reporting Abuse, Neglect, or Assault.*

Mariah Christ, John Brown University

8:50-9:10 a.m.

The Vestals: Virgins and Power

Victoria Oakley, Elon University

9:10-9:30 a.m.

*Theravada Buddhism's Influence on the Sex
Trafficking of Women*

Christine Shreve, Christopher Newport University

COMMUNICATIONS BUILDING 105

Art History

8:30-8:50 a.m.

*Escaping into the Creative Imagination: A
Case Study of James J. Guthrie and the Pear
Tree Press*

Hayley Harlow, University of Kentucky

8:50-9:10 a.m.

Hindu Iconography

Scout Stanley, University of Central Oklahoma

9:10-9:30 a.m.

*Hitler Meets Postcolonialism: Theft of Art
During World War II and Restitution's Effect
on Identity*

Erin Rothweiler, Pacific University

COMMUNICATIONS BUILDING 119

Art History

8:30-8:50 a.m.

*Staging the Rococo: Intermediality, Theatrical-
ity and Spectacle in the Work of Jean-Honoré
Fragonard*

Alissa Bell, Wells College

9:10-9:30 a.m.

The Art of Manholes

Hayla Perrone, University of Central Oklahoma

STUDENT ORAL SESSION 5 - FRI 8:30AM-9:30AM

COMMUNICATIONS BUILDING 121

Film/Photography Studies

9:10-9:30 a.m.

*Exploring Audience Demographic or Social Bi-
ases in Representation of "Other" in Televised
Character*

Kelsey Bruce, University of Alabama

COMMUNICATIONS BUILDING 200

Music

9:10-9:30 a.m.

*Exoticism in 18th Century Opera: Apprecia-
tion Versus Appropriation*

Maggie Pazur, Western Carolina University

COMMUNICATIONS BUILDING 203

Music

8:50-9:10 a.m.

Un-Blurring The Lines of Music Copyright Law

Jake Dickerson, Southern Nazarene University

COMMUNICATIONS BUILDING 204

Education

8:30-8:50 a.m.

*Creating Inclusive Classrooms for English
Language Learners*

Delainey Boyd, Dominican University of California

8:50-9:10 a.m.

*Critical Race Theory Lens and the Effects on
Students of Color in the Public Education
System*

Dua Ci Khang, University of Wisconsin - Eau Claire

9:10-9:30 a.m.

*Developing Global Competencies and Global
Capacities*

Ian Harvatine, University of Wisconsin - Eau Claire

COMMUNICATIONS BUILDING 206

Education

8:30-8:50 a.m.

*Student Perspectives of Trauma-Informed
Instruction and Services in Higher Education*

Ashley Ellison, Eastern Washington University

8:50-9:10 a.m.

*Student Video Viewing Behaviors in an Online
Undergraduate Mechanics of Materials Course*

Jordan Hildebrand, Iowa State University

EDUCATION BUILDING 106

Kinesiology & Exercise Science

8:30-8:50 a.m.

*Health in Longevity: Benefits of Exercise Pro-
gramming for Senior Adults In Oklahoma*

Catherine Patrick, University of Central Oklahoma

9:10-9:30 a.m.

*Oculus Rift Virtual Reality: Comparison of
Pre-test vs. Post-test Psychological Responses*

Kyle Wilson, Eastern Connecticut State University

EDUCATION BUILDING 111

Nutrition

8:50-9:10 a.m.

*Is It Possible to Create a Low Fat, High Nutri-
tional Value, and Allergen Free Cupcake?*

Racheal Speltz, University of Memphis

9:10-9:30 a.m.

Quality vs. Quantity

Kyle Ziegler, Florida Atlantic University

STUDENT ORAL SESSION 5 - FRI 8:30AM-9:30AM

EDUCATION BUILDING 113

Biochemistry

8:30-8:50 a.m.

Investigating Catalytically Important Residues in Escherichia Coli Prolyl-tRNA Synthetase Using Site Directed Mutagenesis

Katelyn Weeks, University of Wisconsin - Eau Claire

8:50-9:10 a.m.

Isolation of Full-Length LGN for X-ray Crystallography

Justin Galardi, State University of New York-Brockport

9:10-9:30 a.m.

Measuring ROS Microdomains Using Optogenetics And Targeted Biosensors

Alicia Wei, University of Rochester

EDUCATION BUILDING 203

Engineering/Engineering Technology

8:50-9:10 a.m.

Phonon Scattering by Point Defects in Actinide Oxides

Katherine Mitchell, Kennesaw State University

EDUCATION BUILDING 204

Health Sciences & Public Health

9:10-9:30 a.m.

Do We Buy or Let Them Die?

Sabrina Novak, Brooklyn College

EDUCATION BUILDING 206

Business/Finance/Accounting

8:30-8:50 a.m.

Monetizing Golf Performance: "Clutch or Choke"

Brody Mayberry, University of Central Oklahoma

8:50-9:10 a.m.

Operational Flexibility and Increased Sustain-

ability of the Airbus A321 New Engine Option

Robert Preti, Jacksonville University

EDUCATION BUILDING 208

Health Sciences & Public Health

8:30-8:50 a.m.

Strategies for Inclusive Sex Education for the LGBTQ+ Community

Brandan Persaud, American University

8:50-9:10 a.m.

Sustainability in Healthcare

Robert Gurevich, Brooklyn College

9:10-9:30 a.m.

Shod VS Barefoot Running

Kindall York, Georgia College and State University

EDUCATION BUILDING 210

Engineering/Engineering Technology

8:30-8:50 a.m.

Characterization of Functionally Graded Ti6Al4V-Mo Via Laser Metal Deposition for Biomedical Applications

Kevin Sivak, Milwaukee School of Engineering

9:10-9:30 a.m.

Cyber Security of Nuclear Power Plants in the United States

Jake Massingill, Kennesaw State University

EDUCATION BUILDING 214

Biology

8:30-8:50 a.m.

Phytoplankton Community Dynamics: Response to Thermal Alteration of an Unidentified Picoeukaryote

Katelyn Doyle, Indiana University

STUDENT ORAL SESSION 5 - FRI 8:30AM-9:30AM

8:50-9:10 a.m.

Pollen Transfer and Reception in the Aquatic Plant Species Ruppia maritima

Richard Nguyen, Creighton University

9:10-9:30 a.m.

Profiling the Genetic Basis of DNA Methylation in Lung Adenocarcinoma from African American and European American Cancer Patients

Lysa Diarra, Lafayette College

EDUCATION BUILDING 301

Chemistry

8:30-8:50 a.m.

Effect of Gallium Additions on the Reduction and Carburization of Iron Oxide

Charles Beasley, University of Kentucky

8:50-9:10 a.m.

Effects of "Looping" in a Flipped Organic Chemistry Classroom

Roger Jacob, Lubbock Christian University

9:10-9:30 a.m.

Electrochemical Detection of Estrogenic Compounds Using Palladium Nanoparticle Modified Electrodes

David Aupperle, Indiana University at South Bend

EDUCATION BUILDING 302

Ecology & Organismal Biology

8:30-8:50 a.m.

How Does Decreasing PH Affect the Anti-Predator Response in Two Species of Intertidal Snails?

Shelby Bacus, University of California, Davis

8:50-9:10 a.m.

Inbreeding Depression in Wild Maize Populations (Zea mays Ssp. Parviglumis) Subject to Habitat Degradation in Southwest Mexico

Aimee Schulz, Iowa State University

9:10-9:30 a.m.

Nest Factors Influencing the Populations of a Cliff Swallow Parasite

Paul McPhail, University of Northern Colorado

EDUCATION BUILDING 304

Economics

8:30-8:50 a.m.

Do "Immigrants Increase Unemployment of US Citizens"? An Empirical Examination of Trump's Campaign Rhetoric

Anna Jensen, University of Minnesota, Duluth

8:50-9:10 a.m.

Econometric Research in Alcoholic Beverage Consumption: Estimates of the Impact of Dry County and Excise Tax Policies on Consumption

Ryan McGregor, Hendrix College

9:10-9:30 a.m.

Economic Implications of the Demographic Transition: Protecting the Dignity of Aging Populations Around the World

Monica Chacon, John Brown University

EDUCATION BUILDING 306

Physics

8:30-8:50 a.m.

Laser-Induced Carbon-Doped Carbonate Propellant Thermal Decomposition for Use in Beamed Energy Propulsion

Tyler Baxter, Saint Cloud State University

STUDENT ORAL SESSION 5 - FRI 8:30AM-9:30AM

8:50-9:10 a.m.

LZ Dark Matter Detector: Signal Propagation System

Haejun Oh, University of Rochester

9:10-9:30 a.m.

Neutral Atom Focusing Using a Pulsed Electromagnetic Lens

Zoe de Beurs, University of Texas at Austin

EDUCATION BUILDING 308

Electrical Engineering

8:50-9:10 a.m.

Radio Waves to Electricity: Tesla's Blueprint

Sean Jesse, East Central University

EDUCATION BUILDING 310

Marketing

8:30-8:50 a.m.

"macho to Metro: Psychological Motivations of Generation Y Men's Consumption of Skin Care Products"

Kyle McIntyre, Utah Valley University

8:50-9:10 a.m.

Chasing A Paradigm Shift in Marketing Practices: From Value Chain to Value Creation

Chae Hyeon Lee, University of Central Oklahoma

9:10-9:30 a.m.

Beauty and the Corporate Beast: Paradoxical Marketing Strategies in the Beauty Industry

Brielle McQuiston, Salisbury University

EDUCATION BUILDING 311

Biology

8:30-8:50 a.m.

Differentiation Between Elodea canadensis and Elodea nuttallii Using Known ITS DNA Sequences and Morphological Characteristics

Katelyn Parsons, Concordia College - Moorhead

8:50-9:10 a.m.

Diversity and Behavior of Native Bees in Southeastern Wisconsin Using Bee Hotels

Donna Charleston, University of Wisconsin - Parkside

9:10-9:30 a.m.

Diversity of Fungal Needle Endophytes of Ponderosa Pine

Jaimie Kenney, Eastern Washington University

EDUCATION BUILDING 312

Cell & Molecular Biology

8:50-9:10 a.m.

Efficient CRISPR/Cas9 Genome Editing Components with a Novel Cell-penetrating Peptide

David Axford, Kennesaw State University

9:10-9:30 a.m.

Exploiting Migration and Metabolism: A Novel Approach to Metastatic Cancers

John Lozada, University of Rochester

NIGH UNIVERSITY CENTER 300

Psychology

8:30-8:50 a.m.

The Effects of a Brief Guided Meditation

Chelsea Jones, University of Memphis

8:50-9:10 a.m.

The Impact of Family Structure on Romantic Relationship Perceptions and Traditional Family Roles

Addison Dieterich, Westminster College

9:10-9:30 a.m.

Examining Warning Messages and Lottery Tickets: Consumer Reception and Understanding

Abigail Armstrong, University of Memphis

STUDENT ORAL SESSION 5 - FRI 8:30AM-9:30AM

NIGH UNIVERSITY CENTER 301

Psychology

8:30-8:50 a.m.

Life Satisfaction, Self-Regulation, Motivation to Change, and Family History as Predictors of Young Adult Alcohol Misuse

Sonia Hopkins, University of Memphis

8:50-9:10 a.m.

Is Truth Faster Than Fiction?

Jennifer Haddock, University of Central Oklahoma

9:10-9:30 a.m.

Like a Horse but Striped: Combining Similarity and Rules in Conceptual Representation

Lauren Oey, University of Rochester

NIGH UNIVERSITY CENTER 304

Psychology

8:30-8:50 a.m.

Relationship Quality and Shyness as Predictors of Friendship in Emerging Adulthood

Tiffany Absher, The University of Virginia's College at Wise

8:50-9:10 a.m.

Cleanliness, Conservatism, and Climate Change: the Effects of Reminders of Physical Cleansing on Reactions Toward Climate Change

Jennifer Isacoff, Salisbury University

NIGH UNIVERSITY CENTER 312

Women and Gender Studies

8:30-8:50 a.m.

Campus Climate Research for Gender Neutral Housing

James Stair, Mercer University

8:50-9:10 a.m.

Challenging the Binary: Navigating Bi-Era-

UNIVERSITY OF CENTRAL OKLAHOMA

sure and Bisexual Stereotypes in the Media

Bridget Cuadra, University of Central Oklahoma

9:10-9:30 a.m.

Commander in Chief to Commanders? Are We Living In Gilead?

Madeleine Gillman, Eastern Illinois University

NIGH UNIVERSITY CENTER 314

Computer Science

8:30-8:50 a.m.

Convolutional Neural Networks for Genus Image Classification

Binamrata Sharma, Morehead State University

8:50-9:10 a.m.

Development of Neural Learning Networks to Distinguish Wheelchair Movement from Non-Wheelchair Movement Captured by Smart Mobile Devices

John Tholen, University of Central Oklahoma

9:10-9:30 a.m.

Fast Algorithms for Recommender Systems

Souparni Agnihotri, Iowa State University

NIGH UNIVERSITY CENTER 320B

Sociology

8:50-9:10 a.m.

Exploring Culture's Influence on Parental Educational Expectations for Their Children's Educational Career

Dhruvil Patel, Wayne State University

9:10-9:30 a.m.

Exploring Masculinity on College Campuses: A Study of Undergraduate Institutions Approaches to Dominant Masculinities

Merry Snyder, Hamline University

STUDENT ORAL SESSION 5 - FRI 8:30AM-9:30AM

NIGH UNIVERSITY CENTER 320C

Criminology/Criminal Justice

8:50-9:10 a.m.

The Shadow of the Juvenile Justice System

Rene Cote, Western Carolina University

9:10-9:30 a.m.

Trapped in Punitive Patterns? Understanding State Differences in Juvenile Transfer Rates

Kyra Paul-Fowler, American University

OLD NORTH 205

Sustainability

9:10-9:30 a.m.

Solar Apparel

Courtney Beringer, Iowa State University

OLD NORTH 206

Mathematics

8:50-9:10 a.m.

Comparison of Physical Solutions to the Two Dimensional Partial Differential Wave Equation

Misha Chalkley, Jacksonville University

9:10-9:30 a.m.

Cyclic Polynomials of Degree P^2 and P^3

Peter Komlofske, Elon University

OLD NORTH 207

Environmental Studies & Sciences

8:50-9:10 a.m.

Does Flooding Affect the Density of Woody Plants and the Demography of Riparian Trees?

Catherine White, Oklahoma State University

9:10-9:30 a.m.

Effects of Biosurfactant Producers on the Biodegradation of and Methane Production from Coal

Rita Park, Montana State University Bozeman

OLD NORTH 208

Neuroscience

9:10-9:30 a.m.

Human vs. Machine Game Playing

Ethan Owens, Iowa State University

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

BUSINESS BUILDING 105

Communications

9:45-10:05 a.m.

Perceiving the Black Box: Understanding Trust in Algorithms

Anna Zwingelberg, Elon University

10:05-10:25 a.m.

Political Police Project

Nicholas Bradley, University of Memphis

BUSINESS BUILDING 108

Interdisciplinary Studies

9:45-10:05 a.m.

Socioecology of Aedes Fever Virus Vectors

Tyler Rapp, University of North Carolina, Charlotte

10:05-10:25 a.m.

Hip-Hop and Rap: The Not So "Silent" Approach to Political Protest in Senegal

Reed Hoffmann, University of Wisconsin - Eau Claire

10:25-10:45 a.m.

How Advertisements Are Made Political and Provoke Emotion

Matthew Alvarez, University of California - Merced

BUSINESS BUILDING 110

Philosophy & Ethics

9:45-10:05 a.m.

Death in the Context of Indefinitely Extended Life

Madeline Hass, University of Wisconsin - Oshkosh

10:05-10:25 a.m.

Dennett, Determinism, and the "Strong Control Principle"

Pierce Marks, University of Central Oklahoma

10:25-10:45 a.m.

Emerson's Unrealistic Ideas on Conformity

Mary Brown, Western Carolina University

BUSINESS BUILDING 112

Literature

9:45-10:05 a.m.

Ecology, Economy and Estrangement in Chekhov's Works

Bradley Britvich, California University of Pennsylvania

10:25-10:45 a.m.

Feminism in Young Adult Literature: The Representation of Muslim Women

Isra Cheema, University of Central Oklahoma

BUSINESS BUILDING 125

Literature

9:45-10:05 a.m.

Spook Warning: Examining the Ghost Dance in Sherman Alexie's "Distances"

Ashley Wood, University of Central Oklahoma

10:05-10:25 a.m.

Subservience and Proprietorship: Conflicting Characterizations of Eve in John Milton's Paradise Lost

Wallace Golding, University of Alabama at Birmingham

10:25-10:45 a.m.

Surrogacy in Motherhood: an Exploration of the Impact of Mothering in All Its Forms Through the Lives and Works of Mary Wollstonecraft and Mary Shelley

Jayne Stone, Wittenberg University

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

BUSINESS BUILDING 126

Poetry & Creative Writing

9:45-10:05 a.m.

Physical Fiction: Exploring a New Genre of Experimental Literature

Erin Weirrick, The University of Findlay

10:05-10:25 a.m.

The Self Conscious Presence in Sylvia Plath's Poetry

Jana Seymour, Southern Nazarene University

10:25-10:45 a.m.

The Summer of Divorce

Shannon Simmons, Texas Woman's University

BUSINESS BUILDING 205

English

9:45-10:05 a.m.

"The Reinvention of the Female Hero in Contemporary Arthurian Film"

Erica Wood, University of Nebraska at Kearney

10:05-10:25 a.m.

Ann Bradstreet: War Upon Tyranny

Megan Kluz, Black Hills State University

10:25-10:45 a.m.

"There Ought Not Never Been No Time Called Too Early": The Double Meaning of "Past Time" in August Wilson's Fences

Travis Stackow, Hampden-Sydney College

BUSINESS BUILDING 207

English

9:45-10:05 a.m.

Haunted by Identity: An Examination of the Divided Subject in W.E.B. Du Bois' The Souls of Black Folk and Nella Larsen's Passing

Shelby Lombardo, William Peace University

10:05-10:25 a.m.

Healing and the Role of Identity: A Study of Silko's Ceremony and Erdrich's The Red Convertible

Katelyn Snyder, Moravian College

10:25-10:45 a.m.

How Achebe and Adichie Hurt Us: Perceptions of Pain in Nigerian Literature

Kelly Mahaffy, Truman State University

BUSINESS BUILDING 209

English

9:45-10:05 a.m.

Relationships in Goodbye to Berlin

Rachel Lord, Georgia College and State University

10:25-10:45 a.m.

Sherlock Holmes: Doyle's Liberated Detective Against the Metropolitan Police Bureaucracy

Cody Strouth, Salisbury University

BUSINESS BUILDING 210

English

9:45-10:05 a.m.

What's Done Is Donne: Analyzing Misogyny in Elegy 19

Tiffany Nguyen, Trinity University

10:05-10:25 a.m.

Women's Rights in the Civil War Era: Reinterpretation of E.D.E.N. Southworth's Britomarte Through Frances Cogan's Model of Real Womanhood

Noelle Canty, Valparaiso University

10:25-10:45 a.m.

Xenophobia and the Creation of Terror: Lovecraft and Poe

Nicole Castillo, University of West Florida

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

BUSINESS BUILDING 211

Political Science

9:45-10:05 a.m.

Freedom of Speech on College Campuses

Martin Hooper, Susquehanna University

10:05-10:25 a.m.

Global Internet Technologists and Innovators Share Fears and Hopes for the Future of Communications Technologies

Alexandra Roat, Elon University

BUSINESS BUILDING 212

Political Science

9:45-10:05 a.m.

The Directionality of the Church and State Separation

Muktha Nair, University of Houston

10:25-10:45 a.m.

The Fight Against Human Trafficking and Modern Day Slavery: A Critical Analysis

Shawn Woods, Carleton University

CENTER FOR TRANSFORMATIVE
LEARNING 101

Anthropology & Archeology

9:45-10:05 a.m.

An Ethnographic Study of Cubans in Guymon, Oklahoma

Sarah Ware, University of Oklahoma Norman Campus

10:05-10:25 a.m.

Anthropological Reconstruction of African Diasporic History

Sherma Rismay, Central Connecticut State University

10:25-10:45 a.m.

Anthropology of Art: a Cultural Understanding

of Japanese Female Artists of the Edo Period

Alexandria Ziegler, Utah State University

CENTER FOR TRANSFORMATIVE
LEARNING 108

International Studies

9:45-10:05 a.m.

Explaining a Migrant-Aid NGO's Capacity to Inform the Public About Immigration Along the U.S.-Mexico Border

Kierra Peterson, Long Island University

10:05-10:25 a.m.

Exploring Censorship in Thai Public Space

Erin McDonald, Long Island University

10:25-10:45 a.m.

From Beans to Caffeine: An Exploration of Akha Ama's Social Enterprise Model

Jennifer Mothershead, Long Island University

CENTER FOR TRANSFORMATIVE
LEARNING 109

International Studies

9:45-10:05 a.m.

The Practical Applicability of Enforcing Human Rights Laws in the Area of Human Trafficking

Brynna Sherony, California University of Pennsylvania

10:05-10:25 a.m.

The Rise of Germany's New Radical Right: Tracking the Rise of the Radical Far Right Through Discourse and Identity Theory

Josh Levesque, American University

10:25-10:45 a.m.

The Rise of Non State Actors in the Middle East

Megan Hines, Marquette University

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

CENTER FOR TRANSFORMATIVE
LEARNING 117

History

9:45-10:05 a.m.

*Bishops and Civic Magistrates: A Comparative
Analysis of Sources of Justice in Late Antiquity*
Matt Branum, John Brown University

10:05-10:25 a.m.

*Bridging Generations: a Collection of Oral
Histories in Wabasha County, Minnesota*
Abigail Hall, Viterbo University

10:25-10:45 a.m.

*Brothers of A Different Kind: The Formation
of Race Relations of African-Americans with
Seminoles and Cherokee Indians From 1790-
1860*
Kateria Rodriguez, Salisbury University

CENTER FOR TRANSFORMATIVE
LEARNING 118

History

9:45-10:05 a.m.

*Mourning Presidential Assassinations: How
Grief Drew People Together*
Karissa Varga, Hendrix College

10:05-10:25 a.m.

*Mutually Assured Reconciliation: Keeping
Iran Nuclear-Weapon Free*
Kelin Haney, University of Central Oklahoma

10:25-10:45 a.m.

*Obituaries of Grinnell Civil War Veterans:
Value, Race, and Identity in Small Town Iowa*
Anthony Fitzpatrick, Grinnell College

CENTER FOR TRANSFORMATIVE
LEARNING 237

History

9:45-10:05 a.m.

*The Right to Fear Shall Not Be Infringed:
Conspiracies in the Contemporary Militia
Movement*
Jonathan Reiswig, University of Central Oklahoma

10:05-10:25 a.m.

*The Social Impact of the Development and De-
cline of Streetcars in Hartford, 1900-1950*
Andrea Slater, Eastern Connecticut State University

10:25-10:45 a.m.

*The Strategic Exploitation of William the
Marshal Abstract*
Coleton Parks, Lubbock Christian University

CENTER FOR TRANSFORMATIVE
LEARNING 239

Religious Studies

9:45-10:05 a.m.

*Varieties of Conversion Experience: Natural,
'Nonreligious,' and 'Religious'*
Tomoki Sasaki, Lafayette College

COMMUNICATIONS BUILDING 105

Art History

9:45-10:05 a.m.

*How Does Japanese Calligraphy Inspired
Typography in the Modern World of Graphic
Design*
Elisa Martinez, University of Central Oklahoma

10:05-10:25 a.m.

*Illustration as an Influencer on Cultural
Society*
Jordan Daniels, University of Kentucky

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

COMMUNICATIONS BUILDING 119

Art History

9:45-10:05 a.m.

*The Development of a Script for a Documenta-
ry on Puerto Rican Artists Living Outside the
Island*
Aisha Perez, University of Puerto Rico - Rio Piedras
Campus

10:05-10:25 a.m.

*The Duality of Devetsil: Poetism and Con-
structivism*
Amelia Goldsby, Truman State University

COMMUNICATIONS BUILDING 121

Film/Photography Studies

9:45-10:05 a.m.

*Exploring Water Infrastructure Through Wei-
mar Film*
Abigail Bauer, University of Minnesota, Twin Cities

10:05-10:25 a.m.

Gnosticism in the Films of Darren Aronofsky
Jacob Greer, University of Oklahoma Norman Campus

10:25-10:45 a.m.

*Gojira and Suffering: An Analysis of the Evolu-
tion of a Japanese Pop Culture Icon*
Tanner Cassidy, North Central College

COMMUNICATIONS BUILDING 200

Music

9:45-10:05 a.m.

Feminism, Folk, and Freedom
Larissa Brumlow, Trinity Christian College

10:05-10:25 a.m.

Flare - Let's Write an Opera
Brady Smith, Trevecca Nazarene University

COMMUNICATIONS BUILDING 203

Music

10:05-10:25 a.m.

*White Noise & White Supremacy: The Inter-
section of Nationalism & Music Via Donald
Trump's Tweets*
Jesse Steinmetz, Eastern Connecticut State University

10:25-10:45 a.m.

*Will Donald Trump Bring Back Mainstream
Protest Music?: The Study of Protest Music in a
Post-Millennial Context*
Allison Coe, Wartburg College

COMMUNICATIONS BUILDING 204

Education

9:45-10:05 a.m.

*Differentiated Instruction Techniques in Uku-
lele Ensembles*
Kieran Effner, Eastern Illinois University

10:05-10:25 a.m.

Education Through Aquaponics
Nicole Clark, Southern New Hampshire University

COMMUNICATIONS BUILDING 206

Education

9:45-10:05 a.m.

*The Effect of Living Abroad on the Beginning
of Intercultural Competency of Pre-service
Teachers*
Mariah Adams, Minnesota State University, Mankato

10:05-10:25 a.m.

L.e.a.p
Esther Rivas, Western Carolina University

10:25-10:45 a.m.

*The Misconceptions of Native Americans in
Education's Past*
Erin Tinnell, Kennesaw State University

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

EDUCATION BUILDING 106

Kinesiology & Exercise Science

9:45-10:05 a.m.

Perceived Supports and Quality of Life: Physical Therapy Setting

Megan Howell, Southern Nazarene University

10:05-10:25 a.m.

Relationship Between Functional Movement Screening Scores and Climbing Performance While Rock Climbing Indoors

Emily Robertson, Georgia College and State University

10:25-10:45 a.m.

The Effects of Maximal Exercise on Visual Learning

Kaitlyn Phillips, Georgia College and State University

EDUCATION BUILDING 111

Nutrition

9:45-10:05 a.m.

The Effect of Leucine Supplementation on Liver Protein Synthesis in a Cancer Cachexia Model

Aaron Persinger, University of Memphis

EDUCATION BUILDING 113

Biochemistry

10:05-10:25 a.m.

Probing the Tetrameric Structure of Leishmania major Pteridine Reductase (PTR1) with Point Mutations and Interface-derived Peptides

Meredith Johnson, Dickinson College

10:25-10:45 a.m.

Purification of N-terminal Chimeras of CCL19 and CCL21 for CCR7 Biased Signaling Analysis in Cancer

Pontian Adogamhe, University of Wisconsin - White-water

EDUCATION BUILDING 203

Engineering/Engineering Technology

9:45-10:05 a.m.

Prototype of a Space Wi-Fi Mobile, Disruption-Tolerant, Ad-hoc Mesh Network

Andrew Hughes, San Jacinto College Honors Program

10:05-10:25 a.m.

Search and Rescue Assistance Rover (SRAR)

Jorge Iniguez, Metropolitan State University of Denver

10:25-10:45 a.m.

Sensitivity Analysis of a 3D Piezoresistive Pressure Sensor

Ethan Lim, Eastern Washington University

EDUCATION BUILDING 204

Health Sciences & Public Health

9:45-10:05 a.m.

Enhancing Health Information Systems Through Data Reconstruction In An Urban Setting In Kenya

Christlene Amitie, University of West Florida

10:25-10:45 a.m.

Ethical Issues Concerning Consent of Diverse Sex Development Surgeries

Mariana Serrano, Eastern Connecticut State University

EDUCATION BUILDING 206

Business/Finance/Accounting

9:45-10:05 a.m.

The Effect of the Entry of a Generic Company In The Pharmaceutical Market: An Event Study Analysis

Janice Gbedemah, Black Hills State University

10:05-10:25 a.m.

The Effect of VITA Participation on Student Empathy

Christina Byrd, Elon University

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

10:25-10:45 a.m.

The Impact of the Promotion/Relegation System on Financial/On-Field Performance in English League Football

Mason Stalph, Elon University

EDUCATION BUILDING 208

Health Sciences & Public Health

10:25-10:45 a.m.

The Ethics of Uniformed Medical Practices: Medical Tourism in Low to Middle Income Countries

Chukwunonso Nwasike, Brooklyn College

EDUCATION BUILDING 210

Engineering/Engineering Technology

9:45-10:05 a.m.

Design and Fabrication of an Acoustic Hologram Lens in Ultrasound Energy Transfer Systems

Ahmed Elnahhas, Virginia Polytechnic Institute & State University

10:05-10:25 a.m.

Design and Fabrication of Microfluidic Channels for Studies, Simulations, and the Replication of Arterial Blood Vessels

Phillip Le, University of Central Oklahoma

10:25-10:45 a.m.

Design and Fabrication of Ultrasound Actuated Shape-memory Polymer Drug Delivery Capsules

Benjamin Ailinger, Virginia Polytechnic Institute & State University

EDUCATION BUILDING 214

Biology

9:45-10:05 a.m.

Profiling the Genetic Basis of DNA Methylation in Lung Squamous Cell Carcinoma from

African American and European American Cancer Patients

Allison McHayle, Lafayette College

10:05-10:25 a.m.

Restoration of Monocyte Homeostasis and Resolution of Inflammation Through Addition of 4-Phenylbutyric Acid

Alexandra Toloczko, Virginia Polytechnic Institute & State University

10:25-10:45 a.m.

Results of Microcosm Studies Using Native Cultures from Acid Mine Drainage

Julianna Gilson, Simpson University

EDUCATION BUILDING 301

Chemistry

9:45-10:05 a.m.

Exploring the Electrochemistry of Organosulfides as High Capacity Cathode Materials for Lithium Battery

Joseph Ackerson, University of Wisconsin - Eau Claire

10:05-10:25 a.m.

Identification of Liver Toxins in Northeast Florida Algal Blooms Using Mass Spectrometry

Kyla Siemens, Jacksonville University

EDUCATION BUILDING 302

Ecology & Organismal Biology

10:05-10:25 a.m.

Quantification of Nanoplankton and Pico-plankton Abundances in Two Shallow Freshwater Lakes Over a Nine-week Period Using Flow Cytometry

Quintin Diou-Cass, Susquehanna University

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

10:25-10:45 a.m.

*Social Environment as Juveniles Affects Attractiveness as Adults in Male House Crickets, *Acheta domesticus**

Rosaria Rae, North Central College

EDUCATION BUILDING 304

Economics

9:45-10:05 a.m.

Economic Shocks and Voter Registration: A California Case Study

Leanne Klock, University of Maryland College Park

10:05-10:25 a.m.

Effects of Rising Global Temperatures on Income Levels and Growth Rates in Rich and Poor States in the United States

Colby Owen, Lafayette College

10:25-10:45 a.m.

Emerging Markets and the Impossible Trinity

Trisha Biswas, University of Maryland College Park

EDUCATION BUILDING 306

Physics

9:45-10:05 a.m.

Novel Derivations for Visibility in Deep Space

Taylor Carnahan, San Jacinto College

10:05-10:25 a.m.

Potential Applications of Lithium Cobalt Oxide in Supercapacitors

Claire Arneson, University of Wisconsin - Eau Claire

10:25-10:45 a.m.

Quantitative Model of the Advanced Near-Field Optical Microscope for Nanomaterial Characterization

Liam McDermott, Iowa State University

EDUCATION BUILDING 308

Electrical Engineering

9:45-10:05 a.m.

State-of-the-art Photovoltaic Technologies: Device Physics, Fabrication Techniques, and Energy Economics

Shirali Patel, Kennesaw State University

10:05-10:25 a.m.

Synthesis and Characterization of Nano Sensing Devices

ibrahim momoh, Indiana University Purdue University Indianapolis

10:25-10:45 a.m.

Use of Magnetorquers in Small Satellite Attitude Control Systems

Rachael Huffman, Eastern Washington University

EDUCATION BUILDING 310

Marketing

9:45-10:05 a.m.

Brickl Bros. 2017 Campaign: Controversy as a Tool

Jackson Hopfensperger, University of Wisconsin - La Crosse

10:05-10:25 a.m.

Comparison of Generic vs. Specific Ad Copy in a Housing Context

Halie Platt, University of Nebraska at Kearney

10:25-10:45 a.m.

Creating a Marketing Strategy for the Autonomous Vehicle

Bethany Zalewski, University of Michigan

EDUCATION BUILDING 311

Biology

9:45-10:05 a.m.

Effects of Evolution on Laboratory Sublines of

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

10:25-10:45 a.m.

The Road to Happiness: Self-Enhancement via Prosocial Spending

Michael White, Elmhurst College

NIGH UNIVERSITY CENTER 301

Psychology

9:45-10:05 a.m.

License to Read: An Evaluation of a Head Start's Fatherhood and Child Literacy Program in Northern Utah

Jared Anderson, Weber State University

10:05-10:25 a.m.

Lying on the Job: The Impact of Lying During Game Play on Organization Members' Creativity

Kaleigh May, Capital University

10:25-10:45 a.m.

Personality Traits: Predicting Objectively Measured Levels of Exercise and Sleep

Thomas Harrison, Albright College

NIGH UNIVERSITY CENTER 304

Psychology

9:45-10:05 a.m.

Religious Fundamentalism, in Relation to Substance and Behavioral Addictions

Christena Jensen, Dixie State College of Utah

10:05-10:25 a.m.

The Effect of Attachment Style on Aggression in College Students

Zachary Bishop, Sage College of Albany

Myxococcus xanthus DK1622

Francesca Scribano, Augustana College

10:05-10:25 a.m.

*Effects of Ocean Acidification on *Prochlorococcus**

Anna Aylor, Wittenberg University

10:25-10:45 a.m.

*Environmental Regulation of Riverine Dragonfly (*Odonata*) Emergence from Wisconsin Rivers*

Danielle Tesar, University of Wisconsin - Parkside

EDUCATION BUILDING 312

Cell & Molecular Biology

9:45-10:05 a.m.

Generating Stable Cell Lines with MCherry-BRCA2 VUS in Human BRCA2 Knockout Cells

Iyani Kelly, Clark Atlanta University

10:05-10:25 a.m.

Germline-Specific Trim28 Heterozygous Male Mice Lose Germ Cells and Spermatogonial Stem Cells in an Age-Dependent Manner

Yao Chang Tan, University of California - Los Angeles

10:25-10:45 a.m.

Krüppel-Like Factor 4 Mediates Cellular Migration and Invasion by Altering RhoA Activity

Philip Brauer, Colgate University

NIGH UNIVERSITY CENTER 300

Psychology

10:05-10:25 a.m.

The Relationship Between Conservatism and Attitudes Towards Addiction

Reggie Gates, Dixie State College of Utah

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

NIGH UNIVERSITY CENTER 312

Women and Gender Studies

9:45-10:05 a.m.

Cuckolds and Conquerors: Toxic Masculinity in Shakespeare's Much Ado About Nothing

Alexandra Savage, University of Central Oklahoma

10:05-10:25 a.m.

Do Bears Care? Mercer Student Perceptions of and Habits Regarding Activism and Political Involvement

Analeigh Seaver, Mercer University

10:25-10:45 a.m.

Escaping Bustles and Bird Cages in The Awakening

Arielle Tesoriero, Salisbury University

NIGH UNIVERSITY CENTER 314

Computer Science

9:45-10:05 a.m.

Fractals as a Tool for Introducing Computer Science Concepts for K-12 and Beyond

Andrew Tapia, University of Kentucky

10:05-10:25 a.m.

Identification of Noise Color on Compounded Audio Signals Via an Infinite-Valued Logic System and Neuro Network Learning

Allie Wynn, University of Arkansas at Monticello

NIGH UNIVERSITY CENTER 320B

Sociology

9:45-10:05 a.m.

Exploring Stereotypical Expectations of Masculinity and Their Relationship to Stigmatization of Schizophrenia Using Stereotype Content Model

Haley Ingersoll, University of Wisconsin - La Crosse

10:05-10:25 a.m.

Exploring the Impacts That an Urban Public High School Experience Has on Bridgewater State University Students' Perceived College Preparedness

Katherine Trudell, Bridgewater State University

OLD NORTH 205

Sustainability

9:45-10:05 a.m.

Sustainable Waste Management Post-Natural Disasters

Daniel Brehm, Appalachian State University

10:05-10:25 a.m.

The Issues and Worldviews of the Food Morality Movement

Jessica Cheney, Dordt College

10:25-10:45 a.m.

Utopia and Contemporary Human Society: A Model for Sustainable Continuance

David Corman, University of Tennessee at Chattanooga

OLD NORTH 206

Mathematics

9:45-10:05 a.m.

Defining Radius for Abstract Shapes

Charley Burtwisle, Doane College

10:05-10:25 a.m.

Dynamic Modelling of Subclones in Patients with Late-Stage Breast and Ovarian Cancers to Block and Reverse Chemo-resistant Tumors

Katelyn Queen, University of Utah

OLD NORTH 207

Environmental Studies & Sciences

9:45-10:05 a.m.

Impacts of Ocean Acidification on Preda-

STUDENT ORAL SESSION 6 - FRI 9:45AM-10:45AM

tor-Prey Relationships

Maria Manz, Moravian College

10:05-10:25 a.m.

Investigating Climate Treaty Support and Willingness-to-Pay for Climate Policy Action Among Chinese and American Citizens: Comparing 2015 and 2017 Survey Results

Zhixin Fang, University of Wisconsin - Eau Claire

10:25-10:45 a.m.

Investigating Chinese and American Views on Climate Change Including a Calculated Knowledge/Acceptance/Concern Score: Comparing Results from Surveys Conducted in 2015 and 2017

Ashley Pike, University of Wisconsin - Eau Claire

OLD NORTH 208

Neuroscience

9:45-10:05 a.m.

Influence of Environmental Enrichment on Neural Activation in the Entorhinal Cortex

Hannah Godfrey, Appalachian State University

10:25-10:45 a.m.

One Enriching Experience Enhances Neural Activity in the Adolescent Hippocampal Formation

Paige Clayton, Appalachian State University

OLD NORTH 211

Nursing

9:45-10:05 a.m.

Diabetes Mellitus Education of Parents, Teachers, Administrators

Alexandra Sakakeeny, Abilene Christian University

10:05-10:25 a.m.

Factors Associated with Core Body Temperatures in Patients Receiving General Anesthesia During Surgery

Grace Paik, University of Pittsburgh School of Nursing

10:25-10:45 a.m.

Greater Depressive Symptoms Predict Adherence to Aromatase Inhibitor Therapy in Post-Menopausal Women with Breast Cancer

Michelle Sech, University of Pittsburgh School of Nursing

STUDENT ORAL SESSION 7 - FRI 1:30PM-2:30PM

STUDENT ORAL SESSION 7 - FRI 1:30PM-2:30PM

BUSINESS BUILDING 105

Communications

1:50-2:10 p.m.

*Rhetorical Analysis of Michael Jackson's 1993
"Heal the World" Performance*

Lauren Rentz, The University of Virginia's College at
Wise

2:10-2:30 p.m.

*Sheriff's Deputies and Outcomes of Dialectical
Tensions*

Ben Brandley, Weber State University

BUSINESS BUILDING 108

Interdisciplinary Studies

1:50-2:10 p.m.

Factors Influencing Dog Adoptability

Sarai Bauguess, Kennesaw State University

BUSINESS BUILDING 110

Philosophy & Ethics

1:30-1:50 p.m.

How To Sophrosynize Your Phone

Parker Burchett, Eastern Washington University

1:50-2:10 p.m.

Immanuel Kant's Moral Church

Marcus Tayloe, Western Carolina University

2:10-2:30 p.m.

Kantian Christianity

Katie Riley, Western Carolina University

BUSINESS BUILDING 112

Literature

1:30-1:50 p.m.

For Love of Countryside: Politics, Rural En-

gland and the Mid-Victorian Novel

Carly Lewis, Wheaton College

1:50-2:10 p.m.

*Gender and Medieval Literature: An Analysis
of Sir Thomas Mallory's Le Morte D'Arture*

Christian Tabak, University of Central Oklahoma

2:10-2:30 p.m.

*Gods Who Survive: Pagan Sources of John
Milton and Neil Gaiman*

Lily Kime, Luther College

BUSINESS BUILDING 125

Literature

1:50-2:10 p.m.

*The Complexes Shaping the Development of
Female Identities in Latinx Literature*

Perla Olguin, Mount Saint Mary's University

BUSINESS BUILDING 126

Poetry & Creative Writing

1:30-1:50 p.m.

*Where Poetry Comes From: Queerness and
Mental Illness*

Ava Rutter, Mount St. Mary's College - Los Angeles

BUSINESS BUILDING 205

English

1:30-1:50 p.m.

*"Under the River": An Examination of Lan-
guage and the Problem of Literalism and
Communication in Flannery O'Connor's "The
River"*

Nicole Banistean, Carthage College

1:50-2:10 p.m.

*A Clearer Picture of H.D. and Her Influence
During the 20th Century: A Queer, Compara-*

tive Study

Ty Astle, University of Science and Arts of Oklahoma

2:10-2:30 p.m.

*A Blend of Absurdism and Humanism: De-
fending Kurt Vonnegut's Place in the Second-
ary Setting*

Krisandra Johnson, Indiana Wesleyan University

BUSINESS BUILDING 207

English

1:30-1:50 p.m.

*I Know It Sounds a Little Pious: David Foster
Wallace's Infinite Jest in Conversation with
John Donne's Metempsychosis*

Mark Tyler, John Brown University

2:10-2:30 p.m.

*Inanna's Ziggurat: an Examination of
Maslow's Hierarchy of Needs on Sumerian
Texts About Goddess Inanna's Cults*

Anh Dinh, University of Central Oklahoma

BUSINESS BUILDING 209

English

1:30-1:50 p.m.

Solitary: the Other Side

Darian Mixon, University of Central Oklahoma

1:50-2:10 p.m.

*Something Wicked This Way Comes: The Su-
pernatural and Unnatural in Macbeth*

Mary Spencer, University of Nebraska at Kearney

2:10-2:30 p.m.

*Sympathy for the Unexpected: A Re-trying of
the Clutter Murder Trial in "In Cold Blood"*

Amanda Nowak, Carthage College

STUDENT ORAL SESSION 7 - FRI 1:30PM-2:30PM

BUSINESS BUILDING 210

English

1:30-1:50 p.m.

*Zhuangzi: Celebration of Life as It Is, Con-
structive Criticism of Knowledge and Lan-
guage, Similarities with Nietzsche*

Sandesh Pokharel, Cameron University

Political Science

2:10-2:30 p.m.

Electoral College - To Ditch or Not to Ditch?

William Fetzer, Florida Atlantic University

BUSINESS BUILDING 211

Political Science

2:10-2:30 p.m.

Immigration Invasion

Malory-Anne Oliver, Georgia College and State Uni-
versity

BUSINESS BUILDING 212

Political Science

1:50-2:10 p.m.

*The Perpetuation and Aggregation of National-
istic Social Cleavages Stemming from 'Brexit'
Within Gibraltar Society*

Stephen Wilkins, University of Tennessee at Chatta-
nooga

2:10-2:30 p.m.

The Rhetoric of U.S. Foreign Aid to Palestine

Harrison Brooks, Eastern Connecticut State University

CENTER FOR TRANSFORMATIVE
LEARNING 101

Anthropology & Archeology

1:30-1:50 p.m.

*Anti-Chinese Sentiment In Contemporary
Vietnam*

Nhi Nguyen, Trinity University

STUDENT ORAL SESSION 7 - FRI 1:30PM-2:30PM

1:50-2:10 p.m.

China's First Charity Law's Impact on Grass-roots Migrant NGOs

Xueying Chen, University of Rochester

2:10-2:30 p.m.

Examining City Park Culture at Hidden Falls

Cory Quirk, Hamline University

CENTER FOR TRANSFORMATIVE
LEARNING 108

International Studies

1:30-1:50 p.m.

Italian Artifact Restitution: Who Owns History?

Timothy Fujii, American University

CENTER FOR TRANSFORMATIVE
LEARNING 109

International Studies

1:30-1:50 p.m.

Tribalism and Water Rights in Israel and Palestine

Veronica Karstens, University of Kansas School

1:50-2:10 p.m.

U.S. Perceptions Towards the Adoption of Russian Children

Kristina Celeste, Duquesne University

2:10-2:30 p.m.

Women in Red: Femininity and Womanhood in Soviet Animation

Shayna Vayser, American University

CENTER FOR TRANSFORMATIVE
LEARNING 117

History

1:50-2:10 p.m.

Comfort While Dying: A Transnational Histo-

ry of Paediatric End of Life Care

Emilie Hill-Smith, Carleton University

CENTER FOR TRANSFORMATIVE
LEARNING 118

History

1:30-1:50 p.m.

Native Americans in the Court Systems of the Chesapeake Bay Region: How Two Colonies Took Drastically Different Paths

Valerie Abbott, Salisbury University

1:50-2:10 p.m.

Omaha and Prohibition: An Era of Change in the City

Katherine Anielak, University of Nebraska at Kearney

2:10-2:30 p.m.

One Man, the Media, and Morale: S.Sgt. Hugh Benson and the Kearney Army Air Field

Tatiana Moore, University of Nebraska at Kearney

CENTER FOR TRANSFORMATIVE
LEARNING 237

History

1:30-1:50 p.m.

The Treatment and Internment of Italian Americans in the Second World War

Gillian Molland, Hamline University

1:50-2:10 p.m.

The War After: Race Riots, Agency, Space and Post War Experiences of African American Soldiers in the 19th and Early 20th Century

Steven Rivlin, Susquehanna University

2:10-2:30 p.m.

The Washburn-Crosby Company: The Impact of Cadwallader Washburn on Minneapolis

Flour Milling

Alex Schmidt, Hamline University

CENTER FOR TRANSFORMATIVE
LEARNING 239

World Languages

1:30-1:50 p.m.

A Study of French in Gallo-Romance Period

Rachel Frizzell, University of Tennessee at Chattanooga

2:10-2:30 p.m.

Promoting Multilingualism

Caterina Russo, Adelphi University

COMMUNICATIONS BUILDING 105

Art History

1:30-1:50 p.m.

Labor Versus Luxury: an Analysis of American Art and Class at the Turn of the Century

Elizabeth Wetterstroem, Wittenberg University

COMMUNICATIONS BUILDING 119

Art History

1:50-2:10 p.m.

The Question of Authenticity in Native American Art - A Focus on Navajo Jewelry

Maria Shah, Kennesaw State University

2:10-2:30 p.m.

The Radiant City in Algiers: Le Corbusier and French Colonial Ambition

Kathryn Hodge, Truman State University

COMMUNICATIONS BUILDING 121

Film/Photography Studies

1:50-2:10 p.m.

How To Make a Feature Film in Ten Days, With Two Crew Members, and No Money

Cheyenne Smith, Southwestern Oklahoma State University

STUDENT ORAL SESSION 7 - FRI 1:30PM-2:30PM

2:10-2:30 p.m.

In the Shadow of Lovecraft: Defining "Cosmic Horror" as It Pertains to Film

Gabriel Burch, University of Central Oklahoma

COMMUNICATIONS BUILDING 200

Music

2:10-2:30 p.m.

Johann Sebastian Bach: Musician, Composer, Theologian

James Ryan, Cedarville University

COMMUNICATIONS BUILDING 204

Education

1:30-1:50 p.m.

ELL Students Enrollment in Advanced Programs

Willmarie Reyes De Jesus, Bridgewater State University

1:50-2:10 p.m.

Fine Arts Integration Through Co-Curricular Instruction

Valerie Gose, Oklahoma City University

2:10-2:30 p.m.

Functional Use of Cursive vs. Printing in Personal Handwriting: Assessment of Adolescents' Use of Different Forms of Writing

Carolyn Hall, Wayne State University

COMMUNICATIONS BUILDING 206

Education

2:10-2:30 p.m.

Thinking Transcends Translation: Developing Critical Thinking Skills in the Home Language for Cross-Linguistic Transfer

Hannah Murphy, St. Mary's College of Maryland

STUDENT ORAL SESSION 7 - FRI 1:30PM-2:30PM

EDUCATION BUILDING 106

Kinesiology & Exercise Science

1:30-1:50 p.m.

The Influence of Lumbopelvic-hip Complex Instability on Segmental Angular Velocities Amongst Softball Athletes

Gabrielle Gilmer, Auburn University

1:50-2:10 p.m.

The Physical and Psychological Effects of High Intensity Tactical and Jiu-Jitsu Training in Law Enforcement Officers

Nicholas Powell, Hamline University

EDUCATION BUILDING 111

Sport Management

1:30-1:50 p.m.

Employers' Bias Regarding Hiring College Athletes

Ashlee Carper, Southern New Hampshire University

1:50-2:10 p.m.

Opening Worlds: A Historical Overview of the Special Olympics of Connecticut

Mackenzie Walker, Eastern Connecticut State University

2:10-2:30 p.m.

Play for Pay: Division III Colleges and Athletic Scholarships

Liana Foianini, Salisbury University

EDUCATION BUILDING 113

Biochemistry

1:30-1:50 p.m.

Screening Potential Therapeutic Leads for a Congenital Motor Disorder

Paul Espinosa, Georgia College and State University

1:50-2:10 p.m.

Structural Homology Modeling of Uridine Nu-

cleoside Ribohydrolase from the Trichomonas Vaginalis Parasite for the Design of Synthetic Inhibitors

Allen Barbarovich, Adelphi University

2:10-2:30 p.m.

Synthesis, Characterization and Biological Testing of Methylated Flavonoid Derivatives as Potential Cyclooxygenase-2 Inhibitors

luis co, Georgia College and State University

EDUCATION BUILDING 203

Engineering/Engineering Technology

1:30-1:50 p.m.

Sensitivity of Thermal Conductivity in Actinide Oxides to Defect Concentrations

Alex Resnick, Kennesaw State University

1:50-2:10 p.m.

Simulation of Dsrc Using Sumo, Osm, and Ns3

Floyd Day, University of Central Oklahoma

2:10-2:30 p.m.

Solar Energy Implementation in the Wabash Valley

Elliot Kusiak, Indiana State University

EDUCATION BUILDING 204

Health Sciences & Public Health

1:30-1:50 p.m.

Evaluating the Effectiveness of Comprehensive Versus Risk-Avoidance Sexual Education Curriculums in Northern Utah

Alyson Rasmussen, Weber State University

2:10-2:30 p.m.

FDA Expedited Approval Processes: The Cost of Rapid Access to Prescription Drugs

Marcella Meykler, Brooklyn College

STUDENT ORAL SESSION 7 - FRI 1:30PM-2:30PM

EDUCATION BUILDING 206

Business/Finance/Accounting

1:30-1:50 p.m.

The Importance of Multiculturalism in Business for University of Wisconsin-Stout

Carol Vang, University of Wisconsin - Stout

1:50-2:10 p.m.

Where Should I Live: Proposing a Top Trading Cycle Allocation Mechanism for College Dormitory Assignments

Yiqi Shen, Westmont College

2:10-2:30 p.m.

Women, Strikes, and the Early Labor Movement: An Exploration of Union Strategy 1870-1910

Julia Underhill, Eastern Connecticut State University

EDUCATION BUILDING 208

Health Sciences & Public Health

1:30-1:50 p.m.

The Relationship Between Self-Esteem and Drinking Motives in First and Second-Year College Students

Shannon Miller, State University of New York-Brockport

1:50-2:10 p.m.

The Safe Sex Express: Evaluation of a Safe Sex Product Delivery Service in Western New York

Lorna Krabill, University of Rochester

2:10-2:30 p.m.

The Use of Local Alternative Materials as Structural Shielding for Diagnostic Radiological Facilities

Schimze Sagon, University of Guyana

EDUCATION BUILDING 210

Engineering/Engineering Technology

1:50-2:10 p.m.

Design of a Small-Scale Test-Stand and Associated Instrumentation and Controls

Daniel Arcila, Embry - Riddle Aeronautical University

2:10-2:30 p.m.

Design of a Smart Street Light with Solar Panels

Shi Rui Yeoh, University of Central Oklahoma

EDUCATION BUILDING 214

Biology

1:30-1:50 p.m.

Rice Cell Wall Components Alter Beneficial Fungal Colonization

Daniel Hayden, University of Oklahoma Norman Campus

2:10-2:30 p.m.

Role of SIN3 HDAC Complex Components in Recruitment to Chromosomes

Maksymilian Pilecki, Wayne State University

EDUCATION BUILDING 301

Chemistry

1:30-1:50 p.m.

Large Crystal Growth, Optical and Electronic Properties of $A_2KM(CN)_6$ ($A = (CH_6N_3), (CH_3NH_3)$; $M = Fe, Co$)

Simon Vigil, University of Oklahoma Norman Campus

1:50-2:10 p.m.

Mercury in St. Johns River Sediments

Sarah Buckman, Jacksonville University

STUDENT ORAL SESSION 7 - FRI 1:30PM-2:30PM

2:10-2:30 p.m.

Microwave Surfactant-Thermal Synthesis and Catalytic Ability of [Cu₃(BTC)₂(H₂O)₃] MOFs

Tyler Taras, State University of New York-Brockport

EDUCATION BUILDING 302

Ecology & Organismal Biology

1:30-1:50 p.m.

*Temperature Regulates Foraging Behavior and Net Energy Gain in the Red Harvester Ant, *Pogonomyrmex barbatus**

Anna Paraskevopoulos, Cameron University

1:50-2:10 p.m.

*The Effects of Rearing Density and Female Presence on the Aggressive Behaviors of Male *Acheta domesticus**

Brandi Pessman, North Central College

2:10-2:30 p.m.

The Response of Lentic Aquatic Invertebrate Assemblages to Simulated Climate Change

Nicholas Bielski, University of Wisconsin - Parkside

EDUCATION BUILDING 304

Economics

1:50-2:10 p.m.

Estimating the Relationship of Riverfront Development to Property Prices in Western and Central Wisconsin (a Hedonic Study)

Lei Han, University of Wisconsin - Eau Claire

EDUCATION BUILDING 306

Physics

2:10-2:30 p.m.

Simulation of an Antimatter Engine for Space Travel

Matthew Dubiel, Lewis University

EDUCATION BUILDING 308

Electrical Engineering

1:30-1:50 p.m.

Vehicle Impact Recognition and Evasion System Using VANET

Charmant Mushagalusa, University of Central Oklahoma

1:50-2:10 p.m.

Vehicle Speed Controlling System Using PID and GPS Technology

Mohamed Afify, University of Central Oklahoma

EDUCATION BUILDING 310

Marketing

2:10-2:30 p.m.

Ethical Issues Associated with Multi-Level Marketing

Rachel Grubbe, University of Wisconsin - La Crosse

EDUCATION BUILDING 311

Biology

1:30-1:50 p.m.

*Fish Out of Water: How Environment Impacts Body Propulsion in an Elongate Fish (*Erpetoichthys calabaricus*)*

Alexus Haddad, Adelphi University

1:50-2:10 p.m.

*Foraging Behaviors of the Rusty Crayfish, *Orconectes rusticus*, on Invasive and Native Leaf Litter*

Kethry Warren, Wittenberg University

2:10-2:30 p.m.

Functional Testing of a Putative Cis-regulatory Element Driving Periderm Differentiation in Zebrafish

Trung Vu, San Jacinto College

STUDENT ORAL SESSION 7 - FRI 1:30PM-2:30PM

EDUCATION BUILDING 312

Cell & Molecular Biology

1:30-1:50 p.m.

*Molecular Characterization of Two High Light Sensitive *Chlamydomonas reinhardtii* Mutants, Defective in a Novel Functionally Uncharacterized Gene*

Kenneth Kim, University of West Georgia

1:50-2:10 p.m.

MTORC1 Is Necessary and Sufficient to Stimulate GLS Activity in Osteoblasts

Joshua Hardage, East Central University

NIGH UNIVERSITY CENTER 300

Psychology

1:30-1:50 p.m.

Executive Functioning, ADHD, Anxiety and Depression: A Three-Component Executive Functioning Perspective

Emilie Noah, Southern Nazarene University

1:50-2:10 p.m.

Do You See Me? Do Our Views of Suffering and Moral Foundations Determine the Attitudes We Attribute to Those Incarcerated?

Jennifer Dawson, Southern Nazarene University

NIGH UNIVERSITY CENTER 301

Psychology

1:30-1:50 p.m.

Personality and Habit Formation

Kait Roughton, Capital University

1:50-2:10 p.m.

Machiavellianism: Assessing the Relationship Between Cortisol Response, Personality, and Life Experiences

Brianna Newport, Bethel College

NIGH UNIVERSITY CENTER 304

Psychology

1:50-2:10 p.m.

Sleep Hygiene, Psychological Distress, and Acceptability of Sleep Hygiene Practices in College Students

Elizabeth Hilton, Eastern Connecticut State University

2:10-2:30 p.m.

The Effect of Diet on Locomotor Activity and Anxiety Using Open Field Testing

Kenya Ector, University of Memphis

NIGH UNIVERSITY CENTER 312

Women and Gender Studies

1:30-1:50 p.m.

Exposing Patriarchy: How Universities Uphold Rape Culture by Silencing and Devaluing Women's Experiences on College Campuses

Rachel Novak, Kennesaw State University

1:50-2:10 p.m.

The History and Fiscal Implications of the Hyde Amendment

Alexandra Savage, University of Central Oklahoma

2:10-2:30 p.m.

From Glass to Air: Sex Reassignment Surgery Balances the Social Order in America

Rebecca Cote, University of West Florida

NIGH UNIVERSITY CENTER 314

Computer Science

2:10-2:30 p.m.

Automated Course Advising System ACAS for Philander Smith College

Royshawn McClain, Philander Smith College

STUDENT ORAL SESSION 7 - FRI 1:30PM-2:30PM

NIGH UNIVERSITY CENTER 320B

Sociology

1:30-1:50 p.m.

Generational Differences in Viewpoints

Alexis McCurry, Florida Atlantic University

2:10-2:30 p.m.

Geometric Distribution of Order R and Its Application to Financial Market

Grace Malcom, Salisbury University

NIGH UNIVERSITY CENTER 320C

Diversity Studies

1:30-1:50 p.m.

Cystic Fibrosis: A Lung Disease with Many Stereotypes, Realities, and Treatments

Sydney Earley, University of Central Oklahoma

OLD NORTH 208

Neuroscience

2:10-2:30 p.m.

PI3K/AKT Signaling Influences Neuronal Function in C. elegans

Marta Williams, Luther College

OLD NORTH 211

Nursing

1:30-1:50 p.m.

Impact of a Quality Improvement Intervention on Nurse Burnout in the Intensive Care Unit

Lan Pham, University of Pittsburgh

Psychology

2:10-2:30 p.m.

An Exploration of Facial Affect

Leena Twal, Oakland University

2:10-2:30 p.m.

Management and Prevention of Diabetes in School-Aged Children

Baleigh Folger, University of Central Oklahoma

OLD NORTH 205

Architecture & Interior Design

2:10-2:30 p.m.

GeoFutures: Anthropocene and the City | Urban Fence Mending Project

Adam Leicht, Kennesaw State University

OLD NORTH 206

Mathematics

1:50-2:10 p.m.

Gene Selection for Survival Data with Glioblastoma

Shuning Jin, University of Minnesota, Duluth

STUDENT ORAL SESSION 8 - FRI 2:45PM-3:45PM

STUDENT ORAL SESSION 8 - FRI 2:45PM-3:45PM

BUSINESS BUILDING 105

Communications

2:45-3:05 p.m.

Spectatorship in Fashion Films as Simulacra: A Fantasy Theme Analysis of Burberry's From London with Love (2015) and H&M's Come Together (2016)

Kien Le, Juniata College

3:05-3:25 p.m.

The Changes in Fantasy Themes Surrounding Mental Health Issues in Rap Music (2002-2017)

Nils Bolder, Juniata College

3:25-3:45 p.m.

The Effect of Interactive Gameplay Elements on Psychological Horror Game Narratives

Noelle Hepworth, Virginia Commonwealth University

BUSINESS BUILDING 108

Interdisciplinary Studies

2:45-3:05 p.m.

*Medical Voluntourism to Medically Voluntri-
aned: Methods for Ensuring Cultural Compe-
tency and Ethical Implementation on Interna-
tional Medical Service Learning Trips*

Ashila Jiwani, Mercer University

BUSINESS BUILDING 110

Philosophy & Ethics

2:45-3:05 p.m.

*Medieval Perspectives on the Problem of Uni-
versals*

Michael Pugh, Lubbock Christian University

3:05-3:25 p.m.

Modern-Day Custody Battle: Who Gets the Embryos?

Marisa Fernandez, Appalachian State University

3:25-3:45 p.m.

Rape: An Investigation into Conciousness, Identity, and Harm

Emma Link Link, University of Wisconsin - Oshkosh

BUSINESS BUILDING 112

Literature

3:05-3:25 p.m.

Grotesque Sexuality: Donald Ray Pollack's Use of Sexuality to Underline the Deficiencies of Culture

Parker Long, Southwestern Oklahoma State University

3:25-3:45 p.m.

Hal Incandenza Is the Novel: Metonymy and Character in Infinite Jest

Alexis Frantum, Capital University

BUSINESS BUILDING 125

Literature

3:25-3:45 p.m.

The Michael Field Diaries: Life-Writing as a Lens into the Fin-de-Siècle

Charlotte Kalfas, Northern Kentucky University

BUSINESS BUILDING 126

Literature

3:25-3:45 p.m.

Unrecognized Violence and the Subversion of Masculine Desire in The Juggler

Adam Smith, Indiana University

STUDENT ORAL SESSION 8 - FRI 2:45PM-3:45PM

BUSINESS BUILDING 205

English

3:25-3:45 p.m.

A Shift of Influence Within Innocence and Experience: Blake's "A Little Girl Lost" and "A Little Girl Found"

Eitana Friedman-Nathan, Muhlenberg College

BUSINESS BUILDING 207

English

2:45-3:05 p.m.

Institutionalized Erasure: The (Dis)Placement of Ethnic Writing Within Schools of English at the University Level

Pamela Rivas, Sonoma State University

3:25-3:45 p.m.

Irony and Alcoholic Escapism in Byron's Skull-Cup Lines

Genevieve Gordon, University of Science and Arts of Oklahoma

BUSINESS BUILDING 209

English

2:45-3:05 p.m.

Taming the Beast: Ovid's Influence on Shakespeare's A Midsummer Night's Dream

Monica Barry, Dominican University of California

3:25-3:45 p.m.

The Beat Goes On

Anissa Dann, Wittenberg University

BUSINESS BUILDING 210

Political Science

2:45-3:05 p.m.

"A New Slavery of Caste": An Evaluation of President Woodrow Wilson with Regard to Race

Jennifer Depew, University of Wisconsin - Oshkosh

3:05-3:25 p.m.

Best Practices for Oversight of Special Purpose Governments

Pierre Chesnais, Utah Valley University

3:25-3:45 p.m.

The Concentration of Health Facilities and Health Care Deserts in Los Angeles County

Adrian Narayan, Loyola Marymount University

BUSINESS BUILDING 211

Political Science

3:25-3:45 p.m.

ISIS Recruitment Among Young European Women

Alyssa Stroup, Virginia Commonwealth University

BUSINESS BUILDING 212

Political Science

3:25-3:45 p.m.

The Use of Façade Grants in the City of Milwaukee and Their Effectiveness

Christopher Paul, University of Wisconsin - La Crosse

CENTER FOR TRANSFORMATIVE LEARNING 101

Anthropology & Archeology

2:45-3:05 p.m.

Fishing Practices of the Tlingit Ancestors Based on the Species Identification of Sebastes

Joy Li, University of Oklahoma Norman Campus

3:05-3:25 p.m.

Japan's Next Top Mascot: An Analysis of the Use of Character Marketing and Commercial Cute in Japan

Zachary Long, Valparaiso University

3:25-3:45 p.m.

Malia Round Stone: Kernos, Calculator,

STUDENT ORAL SESSION 8 - FRI 2:45PM-3:45PM

CENTER FOR TRANSFORMATIVE LEARNING 118

History

2:45-3:05 p.m.

Peace Through Strength

Dakota Spears, University of Central Oklahoma

3:05-3:25 p.m.

Perspectives of ?of? ?Colonization? ?and Occupation in ?the? ?Philippines? ?from? ?the American,? ?Spanish? ?and? ?Filipino? ?Points? ?of? ?View

Rebecca Doan, University of Wisconsin - Stout

3:25-3:45 p.m.

Portland's Forgotten History: An Analysis of Racism's Impact on Black Health Outcomes from 1940-1960

Teresa Hackler, Pacific Lutheran University

CENTER FOR TRANSFORMATIVE LEARNING 109

International Studies

2:45-3:05 p.m.

Women's Reproductive Health in Post-Conflict Rwanda

Marissa Major, Hamline University

3:05-3:25 p.m.

Young Taiwan and the Spirit of Protest: National Identity, Political Action, and Cross-Strait Perspectives Among Taiwanese College Students

Bridget Nicholas, University of Kentucky

CENTER FOR TRANSFORMATIVE LEARNING 117

History

2:45-3:05 p.m.

Dissent of the Governed: Thomas Jefferson and the Philosophical Foundations of Free-Expression

Jacob Wade, William Peace University

3:05-3:25 p.m.

Early Britain and the Sea: A Series of Relational Developments

Sarah Fantinel, Lubbock Christian University

3:25-3:45 p.m.

Eisenhower Internationalism and Nasser Nationalism: The Suez Crisis Defining International Policy in Post-Colonial Egypt

Dominic Supple, Dominican University of California

CENTER FOR TRANSFORMATIVE LEARNING 237

History

2:45-3:05 p.m.

Tracing the Roots of Malagasy Diaspora in the Americas (1790-1850)

Clara Randimbiarimanana, Lafayette College

3:25-3:45 p.m.

Transnational Influences of Early Jesuit Scholars and Explorers in the New World, 1560-1700

Lydia Biggs, Murray State University

CENTER FOR TRANSFORMATIVE LEARNING 239

World Languages

2:45-3:05 p.m.

Sports Translation: A New Frontier

Seth Noboa, Adelphi University

STUDENT ORAL SESSION 8 - FRI 2:45PM-3:45PM

3:05-3:25 p.m.

Was It a War Crime? Bombing of Dresden: Through the Arts

Arianna Simmons, North Central College

COMMUNICATIONS BUILDING 105

Art History

3:05-3:25 p.m.

Preserving Gaawaabaabiganikaag: a Project to Document and Analyze the Ceramic Traditions of the White Earth Reservation

Sarah LaVoy-Brunette, University of Minnesota - Morris

3:25-3:45 p.m.

Redefining the Art Historical Canon: An Examination of Global Women's Art in Relation to Social Change

Kathleen Carroll, Bridgewater State University

COMMUNICATIONS BUILDING 119

Art History

2:45-3:05 p.m.

The Sexual Depiction of Unicorns in Medieval Bestiaries

Stephanie Berson, Oklahoma State University

3:05-3:25 p.m.

Transformations of the Turkish Headscarf: an Exploration of the Political Meaning, Socio-economic Impact, Cultural Influence, and the Art and Craft of the Hijab

Kelsey Leuenberger, Bridgewater State University

COMMUNICATIONS BUILDING 121

Film/Photography Studies

2:45-3:05 p.m.

Jennifer's Body as a Wonderland: the Mythic Female Identity in Contemporary Horror Film

Leslie Robertson, University of West Georgia

3:05-3:25 p.m.

Marvel and the Rise of the Cinematic Universe Production Model

Sean Foe, Oakland University

COMMUNICATIONS BUILDING 200

Music

3:25-3:45 p.m.

Marriage, Madness, Death: The Portrayal of Women in Opera

Olivia Drouillard, University of West Florida

COMMUNICATIONS BUILDING 203

Music Performance

2:45-3:05 p.m.

A Quiet Mind: The Key to Musical Performance

Rebecca Percy, University of Tennessee at Knoxville

3:05-3:25 p.m.

Try Me Good King: A Musical and Contextual Analysis of the Wives of King Henry VIII

Arianna Day, Viterbo University

COMMUNICATIONS BUILDING 204

Education

3:25-3:45 p.m.

How Can Pre-Service Teachers Engage English Language Learners in Productive Struggle?

Benjamin Dickey, Stephen F. Austin State University

COMMUNICATIONS BUILDING 206

Education

2:45-3:05 p.m.

Understanding and Overcoming the Correlation Between Poverty and Childhood Illiteracy

Kaitlyn Partin, Southwestern Christian University

3:05-3:25 p.m.

Understanding Students' Learning Process

STUDENT ORAL SESSION 8 - FRI 2:45PM-3:45PM

EDUCATION BUILDING 203

Engineering/Engineering Technology

2:45-3:05 p.m.

Stamped-graphene Biosensors on Biodegradable and Disposable Substrates

Abraham Polonia Suarez, Iowa State University

3:05-3:25 p.m.

Steel Frame Reinforcement Of The Adode Triumphant Arch Of The Church Of Andahuaylillas, Peru

Zhongdi Liu, University of Rochester

3:25-3:45 p.m.

Strain Damage Monitoring in CFRP Composites Using Digital Image Correlation

Rachael Bradshaw, Embry-Riddle Aeronautical University

EDUCATION BUILDING 204

Health Sciences & Public Health

2:45-3:05 p.m.

Female Athletic Trainers' Perceptions Of Challenges Associated with Providing Athletic Training Services to Collegiate Ice Hockey Players

Rachel Young, Western Carolina University

3:05-3:25 p.m.

Health Outcomes in Children Using Delayed and Selective Vaccination Schedules

Corinne Schali, Simpson University

EDUCATION BUILDING 206

Management

3:05-3:25 p.m.

Abstract - Exploration of Appointed and Emergent Leaders

Jordy Salim, Corban University

Using Cognitive Science Protocols and Their Relation to Laboratory Settings

Paul Cook, University of Central Oklahoma

3:25-3:45 p.m.

Understanding the Cognitive Process of Analyzing a Crime Scene Using Think-Aloud Method

Shi Rui Yeoh, University of Central Oklahoma

COMMUNICATIONS BUILDING 211

Dance

3:25-3:45 p.m.

Dance and Deaf: The Development of Cultural Identity

Jessica Norris, Utah Valley University

EDUCATION BUILDING 106

Microbiology & Immunology

3:05-3:25 p.m.

Evaluation of the Physical Stability of a Panel of Recombinant Respiratory Syncytial Virus (RSV) Strains

Katelyn Castiglia, Butler University

EDUCATION BUILDING 113

Biochemistry

2:45-3:05 p.m.

Synthetic Biology: Production and Utilization of Aspirin Producing Bacteria

Madison Duckwall, Southwestern Oklahoma State University

3:05-3:25 p.m.

Using Monomer Rotamer Interactions to Inform a Rotamer Based Protein Interface Potential

Humza Hemani, University of Michigan

STUDENT ORAL SESSION 8 - FRI 2:45PM-3:45PM

3:25-3:45 p.m.

Examining the Use of PMI Project Management Methodology in Academia

Ashtin Martinson, Embry-Riddle Aeronautical University

EDUCATION BUILDING 208

Health Sciences & Public Health

2:45-3:05 p.m.

Understanding Parental Attitudes Toward Abstinence Based and Comprehensive Based Sexual Health Topics in Northern Utah

Laura Pastrana, Weber State University

3:05-3:25 p.m.

Universal Healthcare, The Treatment America Needs

Michael Jacob Calza, City University of New York-Brooklyn College

EDUCATION BUILDING 210

Engineering/Engineering Technology

3:05-3:25 p.m.

Determination of Mathematical Representations for Non-Standard Radioactive Source Geometries

Nathan Buck, Kennesaw State University

3:25-3:45 p.m.

Development of a Novel Integrated MRI-Beating Heart Model for Investigations into Pathophysiological Factors Linked to Tricuspid Regurgitation

Devin Laurence, University of Oklahoma Norman Campus

EDUCATION BUILDING 214

Biology

2:45-3:05 p.m.

Systems Genetics Analysis to Identify Gene

Candidates Associated with Axon Death in Optic Nerve and Glaucoma

Eric Sah, Notre Dame University Of

3:05-3:25 p.m.

The Adverse Effects of Light on Aging Drosophila

Trevor Nash, Oregon State University

3:25-3:45 p.m.

The Effects of Age and Use on Late Life Reproduction in C. remanei and C. elegans Fog-2 Worms

Elena Bagatelas, University of Tennessee at Knoxville

EDUCATION BUILDING 301

Chemistry

2:45-3:05 p.m.

Preliminary Assessment of Rapid DNA Analysis Using Mock Fire Scene Samples

Sarahi Enriquez, St. Edward's University

3:05-3:25 p.m.

Stability of Broad-Spectrum Antibiotics Ciprofloxacin and Cephalexin at Elevated Temperatures Via Liquid Chromatography-Mass Spectrometry

Aerial Pratt, Gannon University

3:25-3:45 p.m.

Synthesis of Rhenium (I) Complexes for Cathepsin L Inhibition and Cell Imaging

Amira Alnabolsi, Wayne State University

EDUCATION BUILDING 302

Ecology & Organismal Biology

2:45-3:05 p.m.

Using Camera Trapping to Assess Distribution and Diversity of Meso-mammals on the Hahn Farm Montgomery County, Virginia

Marissa Hahn, Virginia Polytechnic Institute & State University

3:05-3:25 p.m.

Using Rapid Bio-assessment to Evaluate Stream Condition of the North Fork of the Roanoke River on the Hahn Farm Montgomery County, Virginia

Jessica Fitzpatrick, Virginia Polytechnic Institute & State University

EDUCATION BUILDING 304

Economics

3:25-3:45 p.m.

Innovation, Institutions, and Threat

Phillip Todd, John Brown University

EDUCATION BUILDING 306

Physics

2:45-3:05 p.m.

Spectroscopic Investigation of Europium Doped Crystals for Quantum Information Applications

Robert Nerem, Montana State University Bozeman

3:25-3:45 p.m.

Studies of Higgs Boson Fiducial Cross Sections in the Diphoton Decay Channel with the ATLAS Detector

Andrew Zwaniga, Carleton University

EDUCATION BUILDING 310

Marketing

2:45-3:05 p.m.

Fairy Tales on TV Commercials: The Effects of Themed Advertising on Consumer Attitudes and Purchasing Intentions

Gabriela Lovera, Jacksonville University

STUDENT ORAL SESSION 8 - FRI 2:45PM-3:45PM

3:25-3:45 p.m.

Main Event Entertainment

Caitlyn Sawyer, University of West Georgia

EDUCATION BUILDING 311

Biological Engineering

2:45-3:05 p.m.

Atomic Force Microscopy Study Revealed Velocity-dependence and Nonlinearity of Nanoscale Poroelasticity of Eukaryotic Cells

Siyu Bi, Iowa State University

3:05-3:25 p.m.

Comparing EEG, EMG, EOG, and ECoG Techniques to Create a Working Neurological Prosthetic

Brianna Donaldson-Morton, University of Wisconsin - Whitewater

3:25-3:45 p.m.

Evaluation of Protein Binding to Silicon Nanowire and Planar

Ceryce Collie, Lincoln University

EDUCATION BUILDING 312

Cell & Molecular Biology

2:45-3:05 p.m.

Quantitative Trait Loci Mapping for Yield and Spike Characteristics in a Recombinant Inbred Line Population of Wheat

Lilia Johnson, Colorado State - Colorado State University-Cooperative Extension- Jefferson Co

3:05-3:25 p.m.

Studying Organelle Interactions by Centrifugation in Vivo

Jonathon Thomalla, University of Rochester

STUDENT ORAL SESSION 8 - FRI 2:45PM-3:45PM

3:25-3:45 p.m.

Synaptotagmin-9 Affects Early Phase of Insulin Secretion

Trung Huynh, University of Alabama at Birmingham

NIGH UNIVERSITY CENTER 300

Psychology

2:45-3:05 p.m.

Vagus Nerve Stimulation with Yoga Breathing to Increase Grit and Positive Coping

Jennifer Haddock, University of Central Oklahoma

3:05-3:25 p.m.

Fake News: Identifying Misinformation in Widespread Media

Valerie Szabo, Capital University

3:25-3:45 p.m.

"The Implicit Message Is: Do You Matter?": The Challenges Experienced by Psychologists Working In Cancer Care

Taylor Michl, Webster University

NIGH UNIVERSITY CENTER 301

Sociology

3:05-3:25 p.m.

The Magic Behind the Lines: An In-depth Analysis of the Control of Movement and Human Behavior at Walt Disney World

Mackenzie Swan, Jacksonville University

3:25-3:45 p.m.

The Shackling of Pregnant Incarcerated Women

Afua Koranteng, Montgomery College

NIGH UNIVERSITY CENTER 304

Psychology

2:45-3:05 p.m.

Study of Animal Based Entertainment

Cydney Rogers, The Sage Colleges

3:25-3:45 p.m.

Tackling Impulsivity with Validation: Using Dialectical Behavior Therapy to Treat Bulimia Nervosa in Transgender MTF Adolescents

Teal Rousseau, North Central College

NIGH UNIVERSITY CENTER 312

Women and Gender Studies

3:05-3:25 p.m.

Hegemony in Industrial Design: A Study of Gendered Communication Styles

Kellie Walters, Iowa State University

3:25-3:45 p.m.

Inanna-Ishtar: The Fullness of Being Gender Performativity and Ancient History

Elizabeth Tabak, University of Central Oklahoma

NIGH UNIVERSITY CENTER 314

Computer Science

2:45-3:05 p.m.

Literary Review of the Security for the Internet of Things Survey

Josua Gonzales-Neal, Iowa State University

3:05-3:25 p.m.

Prediction of Humans' Movement Using Machine Learning Techniques

Christian Sain, Morehead State University

3:25-3:45 p.m.

Robot Design For Human Interaction

Alexandra Bejarano, University of Tulsa

NIGH UNIVERSITY CENTER 320B

Sociology

2:45-3:05 p.m.

Implicit Racial Bias in Higher Education

Quenton Gilmore, University of Southern Mississippi

STUDENT ORAL SESSION 8 - FRI 2:45PM-3:45PM

OLD NORTH 206

Mathematics

3:25-3:45 p.m.

Modeling House Prices in Duluth Using Regression Analysis and Variable Selection

Zhengming Zhang, University of Minnesota, Duluth

OLD NORTH 207

Environmental Studies & Sciences

2:45-3:05 p.m.

Old Edwards Inn Sustainability Audit: Environmental Science Senior Capstone 2017

Julianna Prather, Western Carolina University

3:05-3:25 p.m.

Our Last Cast: The Future of Fly Fishing in the American West

William Griffiths, Montana State University Bozeman

OLD NORTH 208

Neuroscience

2:45-3:05 p.m.

Reading Faces Better: Using Short Term Training to Evaluate Trait Empathy and Micro-expression Trainability

Michael Pflanzner, Edgewood College

3:05-3:25 p.m.

Respiratory Dysfunction Worsens as Seizure Threshold Decreases in Kcna1-null Mice

Lauren Netzel, Creighton University

3:25-3:45 p.m.

Sex Differences in the Effects of Social Status on Defeat-induced Social Avoidance in Syrian Hamsters

Annie Loewen, University of Tennessee at Knoxville

3:05-3:25 p.m.

Indicators of Academic-Related Stress in College Students

Emily Folkerts, Doane College

3:25-3:45 p.m.

Inmate Perception: Family Dynamics and Recidivism

Mario Aguilar, Eastern Washington University

NIGH UNIVERSITY CENTER 320C

Diversity Studies

2:45-3:05 p.m.

DACA: Issues and Realities

Vivian Bunch, University of Central Oklahoma

3:05-3:25 p.m.

Effect of Diversity Belief on Cross-Cultural Motivation and Cognitive Engagement: A Comparative Study of Japanese Undergraduate Students with and Without Foreign Experience

Jeevan Tamrakar, Musashino University

OLD NORTH 205

Architecture & Interior Design

2:45-3:05 p.m.

Landscape, Architecture, and Spirituality at the Remote Monastic Communities of Mount Athos

Alexander Blum, Iowa State University

3:05-3:25 p.m.

Open House Project

Aaron Culliton, University of Nebraska, Lincoln

3:25-3:45 p.m.

Oshkosh E.R.

Brodie Kerst, University of Wisconsin - Milwaukee

STUDENT ORAL SESSION 8 - FRI 2:45PM-3:45PM

OLD NORTH 211

Nursing

2:45-3:05 p.m.

*Moral Distress in Undergraduate Nursing
Students*

Melanie Collazos-Valencia, Abilene Christian University

STUDENT ORAL SESSION 9 - FRI 4:00PM-5:00PM

STUDENT ORAL SESSION 9 - FRI 4:00PM-5:00PM

BUSINESS BUILDING 105

Communications

4:00-4:20 p.m.

*The Exploration of the Black Woman's Truth:
Linking Slavery, Stereotypes, and Media*

Jaelyn Felder, Appalachian State University

4:40-5:00 p.m.

*Welcome to Stars Hollow: Feminism and the
Gilmore Girls*

Katelen Pick, Bridgewater State University

BUSINESS BUILDING 108

Interdisciplinary Studies

4:20-4:40 p.m.

Possible Bias Against Algorithmic (AI) Music

Alyssa Caputo, Brooklyn College

BUSINESS BUILDING 110

Philosophy & Ethics

4:40-5:00 p.m.

*The Gnostic Current From Antiquity Through
the Middle Ages*

Jeremy Christner, University of Central Oklahoma

BUSINESS BUILDING 112

Literature

4:00-4:20 p.m.

Harry Potter and the Implication of Gender

Samantha Trinneer, Black Hills State University

4:20-4:40 p.m.

*Historical Trauma, Urbanization, and Colonialism
in American Indian Literature*

Annawake Varley, University of Central Oklahoma

4:40-5:00 p.m.

Identity as a Territorial Space in Esmeralda

*Santiago's When I Was Puerto Rican and Cristina
Garcia's Dreaming in Cuban*

Yahaira Hernandez, Mount Saint Mary's University

BUSINESS BUILDING 125

Literature

4:00-4:20 p.m.

The Modern Day Myth of Alice

Shannon Simmons, Texas Woman's University

4:20-4:40 p.m.

*The Monster Within: Anxiety as Antagonist in
Maupassant's Le Horla (1887)*

Gabriela Lovera, Jacksonville University

4:40-5:00 p.m.

*The Only Way Out Is In: Escapism Versus
Anti-escapism in Persepolis*

Thanh Truong, University of Central Oklahoma

BUSINESS BUILDING 126

Literature

4:00-4:20 p.m.

*Warring Narratives and the Power of Story for
Reconciliation: Language of Victimhood and
Identity in The Good Friday/Belfast Agreement*

Kendall Kartaly, Valparaiso University

4:40-5:00 p.m.

*Where Is Home?: The Intersection of Loss,
Home, and Non-places in Marie Darrieussecq's
Tom Est Mort*

Cydney Puckett, Missouri Western State University

BUSINESS BUILDING 205

English

4:00-4:20 p.m.

A Tale of Pigs and Men: The Elasticity of Allegory

Jacob Hicks, Southern Nazarene University

STUDENT ORAL SESSION 9 - FRI 4:00PM-5:00PM

4:20-4:40 p.m.

Active Liberty and the Merchant of Venice: How the Interpretation of Legal Language Can Influence the Outcomes of the Justice System
Makinna McGinnis, University of Wisconsin - La Crosse

4:40-5:00 p.m.

An Investigation of the Ethno-meteorological Knowledge of the Kapon Akawaio People of Kako and Phillipai, Upper Mazaruni
Romario Hastings, University of Guyana

BUSINESS BUILDING 207

English

4:00-4:20 p.m.

Jazz: From America, To Japan
Ashley Pham, University of the Pacific

4:20-4:40 p.m.

Juvenilism: A New Theoretical Perspective on the Origins and Mechanics of Contemporary Literary Portrayals of Abused Children
Christopher Morris, Eastern Connecticut State University

BUSINESS BUILDING 209

English

4:00-4:20 p.m.

The Deadly Desire for a "Woman's Touch" in Charles Chesnut's House Behind the Cedars
Madysson Belden, Hamline University

4:20-4:40 p.m.

The Feminine Gaze: How It Has Come Far but Not Far Enough
Emily Moore, Georgia College and State University

4:40-5:00 p.m.

The Lore of Gipsydom in Wuthering Heights;

From Gypsy Brat to Gypsy Gentleman

Tara Ward, Salisbury University

BUSINESS BUILDING 210

Political Science

4:00-4:20 p.m.

"Theft of American Prosperity": An Analysis of the H1b Visa Program
Marina Smoske, Bridgewater State University

4:20-4:40 p.m.

A Reevaluation of What Leads to Terrorist Activity
Ryan Appleyard Appleyard, William Peace University

4:40-5:00 p.m.

A Tale of Two Worlds: Analyzing the Role of Bretton Woods Development Discourse in Shaping Power Differences Between the Developed and Developing Worlds
Junmey Wang, Messiah College

BUSINESS BUILDING 211

Political Science

4:20-4:40 p.m.

Man's Best Friend, or Man's Biggest Profit: How the Economy Encourages Violence Towards Dogs
jessica keister, Salisbury University

4:40-5:00 p.m.

Military in the Arab Spring: A Comparative Analysis of Egypt and Tunisia
Ahana Dave, Ithaca College

BUSINESS BUILDING 212

Political Science

4:20-4:40 p.m.

Time Series Analysis of the Effectiveness of ICC Intervention in Colombia
Nadia El Mouldi, St. Olaf College

STUDENT ORAL SESSION 9 - FRI 4:00PM-5:00PM

4:40-5:00 p.m.

U.S. States Against the EPA: An Overview of the Struggle Over the Clean Power Plan
Robert Johnson III, Susquehanna University

CENTER FOR TRANSFORMATIVE LEARNING 101

Anthropology & Archeology

4:00-4:20 p.m.

Media, State, and Subjectivity: Addiction and Recovery in the Rust Belt
Natalie Ziegler, University of Rochester

4:20-4:40 p.m.

Museum Archives and Repatriation: How to NAGPRA Process Can Motivate the Repatriation of Museum Archives Through Reciprocal Repatriation
Brandon Castle, Fort Lewis College

CENTER FOR TRANSFORMATIVE LEARNING 109

Geography & Earth Sciences

4:00-4:20 p.m.

The Homogeneity of Community Areas in Chicago
Jonathon Prehn, Elmhurst College

4:20-4:40 p.m.

An Everyday Politics of Adolescence in Hanoi, Vietnam
Madeleine Hykes, McGill University, Montreal (Quebec)

4:40-5:00 p.m.

Digging into Ditches: A Historical and Geographic Analysis of Delmarva's Agricultural Drainage Ditches
Rachel Pierson, Salisbury University

CENTER FOR TRANSFORMATIVE LEARNING 117

History

4:00-4:20 p.m.

Texas Disability History: Texas' Relationship with Eugenics
Jacob Cunningham, University of Texas at Arlington

4:20-4:40 p.m.

Eucharistic Devotion and Bodily Miracles in the Lives of Saints Christina Mirabilis and Lutgard of Aywieres
Stephanie Berson, Oklahoma State University

4:40-5:00 p.m.

Eugenics in U.S. Policy in the Early Twentieth Century
Maribelle Perrigo, John Brown University

CENTER FOR TRANSFORMATIVE LEARNING 118

History

4:00-4:20 p.m.

Pressure to Produce- Princess Charlotte to Queen Victoria
Rebekah Mills, University of Central Oklahoma

4:20-4:40 p.m.

Profiteering and Mismanagement in the New York City Housing Market 1940-1960
Benjamin Cohn, City University of New York-Brooklyn College

4:40-5:00 p.m.

Race and the Navigation of Transportation Networks: African American Tactics and the Anxieties of Travel, 1900-1960
Arion Dominique, Messiah College

STUDENT ORAL SESSION 9 - FRI 4:00PM-5:00PM

CENTER FOR TRANSFORMATIVE
LEARNING 237

History

4:00-4:20 p.m.

*Unpacking Livingstone: De-Constructing the
Travelogues of Dr. David Livingstone*

Samantha DiFalco, Ithaca College

4:20-4:40 p.m.

*Violence, Coordination and Swing Music:
Methods of Resistance Against the Nazi Regime*

Leah Cooke, North Central College

4:40-5:00 p.m.

*Virgin Diplomacy: The Nuptial Negotiations of
Queen Elizabeth I*

Chrissy Bass, Lubbock Christian University

COMMUNICATIONS BUILDING 121

Film/Photography Studies

4:00-4:20 p.m.

*Psychological Distress and Isolation in My
Short Film "21 Missed Calls from Mom"*

Kathryn Brown, Juniata College

4:20-4:40 p.m.

*Science Fiction Snobbery: Where Do Superhe-
ro Movies Fit In?*

Shelby Mickler, Jacksonville University

4:40-5:00 p.m.

*Silence and Scream: Women's Options and
Oppressions in Maghrebi Cinema*

Genevieve Berendt, University of Minnesota - Morris

COMMUNICATIONS BUILDING 200

Music

4:00-4:20 p.m.

Missing Marimba: The Use of the Marimba in

*the High Schools of Massachusetts and Con-
necticut*

Emily Miclon, Eastern Connecticut State University

4:20-4:40 p.m.

*Music's Use as a Mnemonic to Increase the
Recall of Information in College Students*

Morgan Corona, Southwestern Oklahoma State Uni-
versity

COMMUNICATIONS BUILDING 204

Education

4:00-4:20 p.m.

*Impact of Perceived Ethnicity and/or Gender
on Pre-Service Elementary Teachers' Profes-
sional Noticing Skills*

David Brown, University of Kentucky

4:20-4:40 p.m.

*Impact of Service Learning on Inter-cultural
Competence of Pre-service Teachers*

Jonathon Arndt, Minnesota State University, Mankato

4:40-5:00 p.m.

*Implications of Introversion and Extroversion
on Pedagogical Effectiveness in University
Language Courses*

Erin Yusko, University of Central Oklahoma

COMMUNICATIONS BUILDING 206

Education

4:00-4:20 p.m.

*Ways to Assess Views of Engineering in Science
(WAVES)*

Ashley Dunn, University of Kentucky

COMMUNICATIONS BUILDING 211

Dance

4:00-4:20 p.m.

Efficacy of Mental Imagery for Technical

STUDENT ORAL SESSION 9 - FRI 4:00PM-5:00PM

EDUCATION BUILDING 203

Engineering/Engineering Technology

4:00-4:20 p.m.

*Structural Response of Submerged Structures
Subjected to Underwater Explosions*

John Austin, George Mason University

4:20-4:40 p.m.

Team Nsap Abstract

Nicholas Buller, Metropolitan State University of
Denver

4:40-5:00 p.m.

*Tensoresistivity Performance of
Graphene-Coated Geotextiles for Performance
Monitoring of Infrastructure*

Chloe Harwood, University of Oklahoma Norman
Campus

EDUCATION BUILDING 204

Health Sciences & Public Health

4:20-4:40 p.m.

*How Friendly Is Too Friendly: Sexual Harass-
ment on College Campuses, the Discrepancies
in Definition, Under Reporting and the Per-
petuation of Problematic Behavior*

Omaralys Lara-Garcia, Georgia Southern University

4:40-5:00 p.m.

*It's Not All a Matter of Will: Explaining
Preventative Health Care Access in the State of
Virginia*

Emily Skywark, Roanoke College

EDUCATION BUILDING 206

Management

4:00-4:20 p.m.

*Exit, Invest or Bear It: Wisconsin Dairy Farm
Case Studies*

Zachary Knutson, University of Wisconsin - River
Falls

Dance Corrections

Julia Cipriani, George Mason University

EDUCATION BUILDING 106

Microbiology & Immunology

4:00-4:20 p.m.

*Isolation of Arthrobacter sp. from Gut Content
of Cow Rumen- Termites, and Its Ability to
Degrade Lignin*

Caroline Graham, Oklahoma State University

4:20-4:40 p.m.

*Microbial Degradation of Art Byproduct
Waste Streams*

Gabriel McKay, Weber State University

4:40-5:00 p.m.

Microbiota and Psychological Well-being

Rachel Dumke, Capital University

EDUCATION BUILDING 111

Engineering/Engineering Technology

4:00-4:20 p.m.

*Use of Additive Manufacturing in Orthopedic
Supports*

Joshua Kenning, Metropolitan State University of
Denver

4:20-4:40 p.m.

*Wicking Simulation in Non-homogeneous
Fibrous Wicks*

Tanya Schilling, University of Wisconsin - Milwaukee

EDUCATION BUILDING 113

Biology

4:00-4:20 p.m.

*Underwater Behavior of Gentoo (Pygoscelis
papua) Penguins*

Amanda Lechnar, Oakland University

STUDENT ORAL SESSION 9 - FRI 4:00PM-5:00PM

EDUCATION BUILDING 208

Microbiology & Immunology

4:00-4:20 p.m.

Antimicrobial Activity of Cinnamon Oil Nanoemulsion on Multidrug-Resistant Acinetobacter baumannii

Taylor Jones, University of Central Oklahoma

4:20-4:40 p.m.

Determination of the Effect of G Protein-coupled Receptors on the Cell Surface of Expression of Inward Rectifier Potassium Channel Kir7.1

Oluwatosin Aluko, University of Michigan

4:40-5:00 p.m.

Does Natural Selection Differentially Mold the Distribution Patterns of Transposable Elements in Bacteria with Multiple Chromosomes?

Brittany Geiler, State University of New York-Potsdam

EDUCATION BUILDING 210

Engineering/Engineering Technology

4:00-4:20 p.m.

Effects of Woodchip Bioreactors on Water Quality

Alexis Slade, Iowa State University

EDUCATION BUILDING 214

Biology

4:00-4:20 p.m.

The Effects of Glyphosate on Wheat and Native Grass Growth, Development, and Reproduction When Grown in Prairie and Agricultural Field Soils

China Bohn, Montana State University - Northern

4:20-4:40 p.m.

The Effects of Phenylalanine, Retinoic Acid,

and Diethylaminobenzaldehyde on Cell Migration

McKayla Muse, University of Central Oklahoma

4:40-5:00 p.m.

The MicroRNA MiR-18a Regulates Photoreceptor Development in the Zebrafish Retina

Emily Giuffre, University of West Florida

EDUCATION BUILDING 301

Chemistry

4:00-4:20 p.m.

Synthesis of Steroid Analogs for the Development of Precision Therapeutic Drugs

Gianni Manginelli, University of Oklahoma Norman Campus

4:20-4:40 p.m.

The Influence of Acidity and Copper Exposure on Copper Accumulation in the Pond Snail, Lymnaea stagnalis

Francis Alip, Jacksonville University

4:40-5:00 p.m.

The Influence of Acidity and Copper Exposure on Physiological Responses in the Pond Snail, Lymnaea Stagnalis

Kyla Siemens, Jacksonville University

EDUCATION BUILDING 302

Economics

4:00-4:20 p.m.

The Effect of Inflation Targeting on Foreign Direct Investment in Developing Countries

Iuliia Vasileva, Lafayette College

4:20-4:40 p.m.

The Impacts of Tradable Carbon Credits on Washington State Forestry

Foster Robertson, Pacific Lutheran University

STUDENT ORAL SESSION 9 - FRI 4:00PM-5:00PM

EDUCATION BUILDING 310

Marketing

4:00-4:20 p.m.

Parallel Parking Versus Bike Lanes at the University of West Georgia (UWG)

Amber Luxbacher, University of West Georgia

4:40-5:00 p.m.

Space Propaganda: Using Legacy to Inspire Exploration

Daniel Thompson, Southwestern Oklahoma State University

EDUCATION BUILDING 311

Biological Engineering

4:20-4:40 p.m.

Immunological and Thermal Properties of Gold Nanorods in Laser Immunotherapy for Cancer Treatment

Connor West, University of Central Oklahoma

4:40-5:00 p.m.

Lung Motion Measurement and Quantification in Cancer Patients

Allie Sikes, University of Central Oklahoma

EDUCATION BUILDING 312

Cell & Molecular Biology

4:20-4:40 p.m.

The Effects of Gestational Psychological Stress on Neonatal Mouse Intestinal Development

Juhi Shah, University of Alabama at Birmingham

4:40-5:00 p.m.

TRPC1 Is an Important Target of AMPKA in Maintaining Pulmonary Endothelial Barrier Function

Yilan Liu, University of Alabama at Birmingham

4:40-5:00 p.m.

The Quantification of Morality and Human Behavior: An Issue with the Mathematization in Economics

Christopher Miler, University of Central Oklahoma

EDUCATION BUILDING 304

Economics

4:00-4:20 p.m.

Joining a Pyramid Scheme: The Influence of Risk and Time Preference in Consumer Decision Making

Joshua York, Hamline University

4:20-4:40 p.m.

Latino Immigrants and the American Economy

Allison Smith, Eastern Washington University

4:40-5:00 p.m.

Macroeconomic Effects of Financial Openness on Developing Countries in Inflation Targeting Regimes

Brendan McNamara, Lafayette College

EDUCATION BUILDING 306

Physics

4:00-4:20 p.m.

Surface Enhanced Raman Spectroscopy Using Photonic Crystals

Opeyemi Arogundade, Hamline University

4:20-4:40 p.m.

Three-dimensionality of One- and Two-layer Electromagnetically Driven Thin-layer Flows

Benjamin Martell, University of Rochester

4:40-5:00 p.m.

Using X-Rays to Probe the Molecular Structure of Ionic Liquids

Sven Marnauz, North Central College

STUDENT ORAL SESSION 9 - FRI 4:00PM-5:00PM

NIGH UNIVERSITY CENTER 300

Psychology

4:00-4:20 p.m.

A Comparison of the Effect of Sexual Assault Micro-Interventions on Rape Myth Acceptance and Empathy

Jolene Potter, Eastern Connecticut State University

4:20-4:40 p.m.

Fear-Potentiated Startle and Opioid Use

Bianca Sarrecchia, Kennesaw State University

4:40-5:00 p.m.

The Relationship Between Analytic vs. Creative Thinking in Conspiracy Theory Ideation

Jasmine Mitchell, Dominican University of California

NIGH UNIVERSITY CENTER 301

Sociology

4:20-4:40 p.m.

Tourism and Poverty: The Effects of Rural Tourism on Homeless and Impoverished Communities on The Oregon Coast

Bettyjo LaBare, Moravian College

4:40-5:00 p.m.

Transitions: A Photographic Experience to Celebrate Aging

Tabitha Deering, Dominican University of California

NIGH UNIVERSITY CENTER 304

Psychology

4:00-4:20 p.m.

The Effect of Mirroring Movements on Emotion Empathy and Detection

Kaitlyn Krug, Westminster College

4:20-4:40 p.m.

The Effect of Mortality Salience on Compromising Mate Selection Standards in Homosex-

ual and Heterosexual Individuals

Sydney Rohmann, Eastern Illinois University

4:40-5:00 p.m.

Views on Climate Change

Olivia Diaz, Florida Atlantic University

NIGH UNIVERSITY CENTER 312

Women and Gender Studies

4:00-4:20 p.m.

Microfinance and Women's Agricultural Entrepreneurship in Senegal

Lauren White, Illinois College

4:20-4:40 p.m.

Misogyny in American Culture

Jordan Hawthorn, Kennesaw State University

NIGH UNIVERSITY CENTER 314

Computer Science

4:00-4:20 p.m.

Sectioning to Further Website Fingerprinting Attack in Presence of Noise

Christian Fields, Langston University

4:20-4:40 p.m.

Secure Data Acquisition and Transfer for the Internet of Things

Melissa Nichols, University of West Florida

NIGH UNIVERSITY CENTER 320C

Diversity Studies

4:20-4:40 p.m.

Reflecting on The Immigration and Native Experience Through Art and Poetry

Libby Kirkpatrick, Lubbock Christian University

4:40-5:00 p.m.

Religious Observations of the Absentee Shawnee Nation

Cierra Lowe, University of Central Oklahoma

OLD NORTH 205

Architecture & Interior Design

4:00-4:20 p.m.

Predictions of the Dynamic Characteristics and Responses of Building Floors Susceptible to Excessive Vibrations

Harvey Erik, Virginia Polytechnic Institute & State University

4:20-4:40 p.m.

Reawakening Quality in Architecture A Contemporary Idiom of Pattern Language

Christopher Richardson, Kennesaw State University

OLD NORTH 206

Mathematics

4:00-4:20 p.m.

Modeling the Treatment of HIV in Children

Kelley France, University of Central Oklahoma

4:20-4:40 p.m.

Number Talks and Their Effects on Number Sense

Jacob Fankhauser, Eastern Washington University

OLD NORTH 207

Environmental Studies & Sciences

4:00-4:20 p.m.

Restoration of Salt Marshes on Long Island Following Hurricane Sandy: An Alternative Approach

Nimal de Lanerolle, Suffolk County Community College

STUDENT ORAL SESSION 9 - FRI 4:00PM-5:00PM

4:40-5:00 p.m.

Similar Ground-dwelling Arthropod Communities Across an Elevational Gradient in a Cloud Rainforest

Tyler Souza, Southern Nazarene University

OLD NORTH 208

Neuroscience

4:00-4:20 p.m.

Splice Variant for Foxp2 and Its Impacts on Vocalization and Behavior of Juvenile Rats

Kareem Omeish, Northern Virginia Community College - Extended Learning Institute

4:20-4:40 p.m.

Testosterone's Role in the A-2a Adrenergic Receptor Signaling Pathway in Rat Prefrontal Cortex

Juhee Agrawal, University of Alabama at Birmingham

4:40-5:00 p.m.

The Effects of Methylphenidate and Azo Food Dyes on Hyperactivity in Male Sprague Dawley Rats

Bridget Herlihy, Westminster College

OLD NORTH 211

Nursing

4:00-4:20 p.m.

Relationship Between Fatigue and Adherence to Endocrine Therapy in Postmenopausal Women with Early Stage Breast Cancer

Erin Zita, University of Pittsburgh School of Nursing

4:20-4:40 p.m.

Relationship Between Self-reported Cognitive Functioning and Adherence in Postmenopausal Women Receiving Endocrine Therapy

Amy Hughes, University of Pittsburgh School of Nursing

STUDENT ORAL SESSION 9 - FRI 4:00PM-5:00PM

4:40-5:00 p.m.

*Relationships Between Physical Functioning
and Adherence in Women with Breast Cancer
Receiving Endocrine Therapy*

Jennifer Marx, University of Pittsburgh School of
Nursing

STUDENT ORAL SESSION 10 - SAT 8:30AM-9:30AM

STUDENT ORAL SESSION 10 - SAT 8:30AM-9:30AM

BUSINESS BUILDING 105

Journalism

8:30-8:50 a.m.

*“Entering the Digital Age: One University
Newspaper’s Journey”*

Megan Palmer, Southern New Hampshire University

8:50-9:10 a.m.

Controversies Around Al Jazeera

Arunima Bhattacharjee, University of Oregon

9:10-9:30 a.m.

*How Are Men and Women Portrayed Dif-
ferently in News Stories Involving Sexual
Assault?: An Examination of the Brock Turner
Case*

Samantha Burkiewicz, Eastern Illinois University

BUSINESS BUILDING 108

Interdisciplinary Studies

8:30-8:50 a.m.

*Refugee Mental Health: Expressive Arts Thera-
pies and Prosocial Activities in the Treatment
of War-related Trauma in Children and
Adolescents*

Amanda Sloan, California University of Pennsylvania

8:50-9:10 a.m.

*Responding to Intergenerational Incestuous
Abuse*

Charlie Shih, University of Washington, Seattle

9:10-9:30 a.m.

*Saints Don’t Cry: Clergy’s Attitudes Towards
Mental Health Services and Experiences of
Burnout*

Abbie Williams, Elon University

BUSINESS BUILDING 110

Philosophy & Ethics

8:30-8:50 a.m.

The Ladder

Hailey Stewart, Rogers State University - Claremore
Campus

8:50-9:10 a.m.

*The Pursuit of Enhanced Physician Empathy
and Perspective Through Fiction*

Raisa Alexis Santos, City University of New York-
Brooklyn College

9:10-9:30 a.m.

*When Does Place Happen: Towards the An-
thropocene as a Deconstructive Object*

Jacob Smith, University of Oklahoma Norman Cam-
pus

BUSINESS BUILDING 112

Literature

8:30-8:50 a.m.

*Japanese and Korean Gender and Power Rela-
tionships in Colonial Korea from 1910 to 1945*

Yuki Minami, University of Tennessee at Knoxville

8:50-9:10 a.m.

*John Donne’s “The Flea”: a French Studies
Approach to the Origin of Poetic Conceit*

Andrea Dillingham, University of Central Oklahoma

BUSINESS BUILDING 125

Literature

8:30-8:50 a.m.

*The Perennial Charm and Relevance of Span-
ish Medieval Ballads*

Dora Totoian, University of Portland

STUDENT ORAL SESSION 10 - SAT 8:30AM-9:30AM

9:10-9:30 a.m.

The Trickster Across the Pacific: Inspiration and Influence of the Chinese Monkey Story in Contemporary Asian-American Literature

Zhishu Wang, University of Wisconsin - Whitewater

BUSINESS BUILDING 126

Literature

8:30-8:50 a.m.

Widening the Definition of Postcolonial/American Literature: The Inability to Establish Cultural Identity in Nella Larsen's Passing and Carlos Fuentes' Aura

Michael Marsh, William Peace University

8:50-9:10 a.m.

Women and Masks in the Lady Nitwit by Lope De Vega

Mary Salguero Palma, Hope College

9:10-9:30 a.m.

Yeats, Mythology, and the Industrial Revolution

Brittany Barlow, University of Central Oklahoma

BUSINESS BUILDING 207

English

8:30-8:50 a.m.

Let There Be Language: The King James Bible and Its Effects on the English Language

Emily Gray, University of Tennessee at Chattanooga

8:50-9:10 a.m.

Literature as a Thermometer of Cultural Change as Shown in the Old English Poem Judith

Claire Johnson, John Brown University

9:10-9:30 a.m.

Motherhood in a (Biased) Nutshell: Breaking

Down the Patriarchal Elements in Charles Perrault's Riquet À La Houppe (1697)

Natalia Harley, Jacksonville University

BUSINESS BUILDING 209

English

8:50-9:10 a.m.

The Mysteries of Lewis' "The Monk"

Onur Ayaz, City University of New York- Brooklyn College

9:10-9:30 a.m.

The Novel Mystique: Depictions of Women in 1950s Novels

Sarah Fender, Bridgewater State University

BUSINESS BUILDING 210

Political Science

8:30-8:50 a.m.

Aggies Global Observatory

Catherine Miner, Utah State University

8:50-9:10 a.m.

Amplifying Indigenous Voices in National Environmental Governance

Mary Gramiak, Carleton University

BUSINESS BUILDING 211

Political Science

8:30-8:50 a.m.

Moral Realism: An Analysis of Theodore Roosevelt's Foreign Policy

Shelby Hanna, Hampden-Sydney College

8:50-9:10 a.m.

NGOs' Influence Leading to Educational Strides in Senegal: A Possible Solution to Financial Success and Independence?

Emily Hayes, State University of New York-Geneseo

STUDENT ORAL SESSION 10 - SAT 8:30AM-9:30AM

9:10-9:30 a.m.

Orange Is the New Green: a Qualitative Study on Contract Prisons and Their Effect on the Prison Population and Society

Desiree Jones, Abilene Christian University

BUSINESS BUILDING 212

Political Science

8:30-8:50 a.m.

Understanding Policy-Making Through the Lens of Gender: Analyzing Interviews of Representatives from the Oklahoma House on the Issue of Pay Day Loans

Emily Mee, University of Oklahoma Norman Campus

CENTER FOR TRANSFORMATIVE LEARNING 101

Anthropology & Archeology

9:10-9:30 a.m.

Studying Cancer in Low-Resource Communities

Joseph Morrison, Montana State University Bozeman

CENTER FOR TRANSFORMATIVE LEARNING 109

Geography & Earth Sciences

8:30-8:50 a.m.

Geographical Indication of Tequila

Blake Taylor, University of Central Oklahoma

8:50-9:10 a.m.

Is Arsenic Concentrating in Your Water?

Luke Davis, Eastern Connecticut State University

9:10-9:30 a.m.

Pike River Geomorphic and Water Quality Study

Nicholas Potter, University of Wisconsin - Parkside

CENTER FOR TRANSFORMATIVE LEARNING 117

History

8:50-9:10 a.m.

Fascism Revisited

Jacob Oakley, University of Central Oklahoma

9:10-9:30 a.m.

Fighting for the Future: Competing Visions of 'Indianness' at the Chicago 1893, Omaha 1898, and St. Louis 1904 World's Fairs

Hannah Facknitz, James Madison University

CENTER FOR TRANSFORMATIVE LEARNING 118

History

8:30-8:50 a.m.

Researching and Preparing Local History for the Classroom: Lubbock and World War II

Katie Dunn, Lubbock Christian University

9:10-9:30 a.m.

Social Reform Through Education in Chicago's Gilded Age, 1880-1914

Laura Seiler, Eastern Illinois University

CENTER FOR TRANSFORMATIVE LEARNING 237

History

8:30-8:50 a.m.

War, Sovereignty, and the Longing of Nations: An Investigation in to the Influence of the United States of America on German Unification (1861 - 1871)

Alexander Compton, University of Kentucky

9:10-9:30 a.m.

William Wilberforce: The Effects of One Life

Jordyn Goodman, University of Nebraska at Kearney

STUDENT ORAL SESSION 10 - SAT 8:30AM-9:30AM

COMMUNICATIONS BUILDING 121

Film/Photography Studies

8:30-8:50 a.m.

The American Language

Michelle Chavez, Cedar Crest College

8:50-9:10 a.m.

The Emergence of Film Studies as an Academic Discipline: A Microhistory of the University of Wisconsin-Milwaukee Film Studies Program

Hugo Ljungbaeck, University of Wisconsin - Milwaukee

9:10-9:30 a.m.

Tim-plate Burton

Jessica Lensman, University of Oklahoma Norman Campus

COMMUNICATIONS BUILDING 200

Music

8:30-8:50 a.m.

Songs of Diversity: Multiculturalism and Identity Within Indo-Canadian Festivals

Philippe Tippins, Carleton University

8:50-9:10 a.m.

Techniques to Alleviate Frustration in the Practice Room

Ashley Shamhart, Eastern Illinois University

9:10-9:30 a.m.

The Analysis and Composition of Classical and Romantic Era Chromaticism

Geoffrey Edwards, Keene State College

COMMUNICATIONS BUILDING 204

Education

8:30-8:50 a.m.

Improving Disadvantaged Middle-School Students' Academic Habits and Interests in STEM

Through Engaging STEM-Related Experiences in a University Setting

Hosam Alkhatib, University of Minnesota, Twin Cities

8:50-9:10 a.m.

Inclusion in Morning Meetings

Robin Lauber, James Madison University

9:10-9:30 a.m.

Integrating Multicultural Literature into Eleventh-Grade ELA Curriculum: A Case for Authentic American Literature

Alexus Vanlandingham, Oklahoma Christian University

COMMUNICATIONS BUILDING 206

Education

8:30-8:50 a.m.

Engineering Students' Perceptions on the Impact and Value of Design Thinking

Kendall Reynolds, Iowa State University

EDUCATION BUILDING 106

Microbiology & Immunology

8:30-8:50 a.m.

Pathogenic Bacteria in the Sunshine State

Janel Clarisse Palomo, Jacksonville University

8:50-9:10 a.m.

Synergistic Antifungal Activity of Amphotericin B, Essential Oils and Low Frequency Ultrasound on Mucormycosis Causing Fungi

Karaleen Anderson, Utah Valley University

EDUCATION BUILDING 204

Health Sciences & Public Health

8:30-8:50 a.m.

Lack Of Education On The Neurobiological Causes of Transgenderism

James Hartsfield, University of Central Oklahoma

STUDENT ORAL SESSION 10 - SAT 8:30AM-9:30AM

EDUCATION BUILDING 214

Biology

8:30-8:50 a.m.

*The Pollination and Reproductive Biology of *Thermopsis divaricarpa* in the Central Rocky Mountains*

Olufisayo Awolaja, University of Northern Colorado

8:50-9:10 a.m.

The Search for a Novel Repressor Gene in Cluster M Bacteriophages

Erin Cafferty, Western Carolina University

9:10-9:30 a.m.

*Variation in Genetic Composition of *O. annularis* and *O. franksi* and Their Endosymbionts at Different Depths*

Savanah Leidholt, Montana State University

EDUCATION BUILDING 301

Chemistry

8:30-8:50 a.m.

The Sound of Photoacoustics

Rachel Peters, University of Tennessee at Chattanooga

8:50-9:10 a.m.

The Synthesis, Cooperative Bond Activation, and Catalysis of Aluminum Ligand-based Metallumatranes

Sheila Tran, University of Memphis

9:10-9:30 a.m.

Using Surface Enhanced Raman Scattering for the Detection of Melamine

Jasmine Thomas, Albany State University

9:10-9:30 a.m.

Modeling the Impact of Exclusion Policies on Mumps Outbreaks

David Nguyen, Eastern Washington University

EDUCATION BUILDING 208

Microbiology & Immunology

8:30-8:50 a.m.

Effects of Anthropogenically-derived Antibiotics on Microbial Distribution and Diversity

Maggie Perrel, University of Minnesota - Crookston

8:50-9:10 a.m.

Evaluating Intestinal GABA Levels and Epithelial Integrity in a Murine Model of CNS Inflammatory Demyelination

Christina Ramelow, Eastern Washington University

9:10-9:30 a.m.

Identifying Properties of Molecules That Enter Bacterial Cells Using a Hand-curated Dataset

Lauren Harris, High Point University

EDUCATION BUILDING 210

Engineering/Engineering Technology

8:30-8:50 a.m.

Flexible Wireless Sensor Network for Lung Motion Detection Using a 3D Motion Platform

amjad barghouthi, University of Central Oklahoma

8:50-9:10 a.m.

Flow Simulation of a Pebble-Bed Reactor with Staggered-Pebble Arrangement

Julian Spangler, Kennesaw State University

9:10-9:30 a.m.

Fuzzy Logic-Based Alternatives for Multiple Choice Problems

Aamr Hasanjee, University of Central Oklahoma

STUDENT ORAL SESSION 10 - SAT 8:30AM-9:30AM

EDUCATION BUILDING 302

Economics

8:30-8:50 a.m.

The Short End of the Stick: Income Inequality and Populist Sentiment in Europe

Austin Botelho, Lafayette College

8:50-9:10 a.m.

Trade Specialization: A Disaggregated Measurement for Utah

Andrew Hunt, Utah Valley University

EDUCATION BUILDING 304

Economics

8:50-9:10 a.m.

Non-Cooperative Greens

Dane Neville, University of Wisconsin - Stout

9:10-9:30 a.m.

Relationship Between Opioid Prescriptions and Opioid Overdoses: Insight from California Counties

Joel Earlywine, Pacific Lutheran University

EDUCATION BUILDING 310

Marketing

8:30-8:50 a.m.

Visually Documenting the Irony of Vaporware

Kai Ammons, University of Texas- Rio Grande Valley

EDUCATION BUILDING 311

Biological Engineering

8:30-8:50 a.m.

Machine Olfaction Using Deep Learning Artificial Neural Networks

Stephen Hoover, Florida Atlantic University

8:50-9:10 a.m.

Manipulation of Biological Matter Using Electrodeless Dielectrophoresis

Nathan Johnson, North Dakota State University (Nt)

9:10-9:30 a.m.

Monte Carlo Simulation of Photodynamic Therapy for Treatment of Infected Abscesses

Mattison Flakus, University of Rochester

EDUCATION BUILDING 312

Cell & Molecular Biology

8:30-8:50 a.m.

Verification of CpG Sites from Breast Milk Cells Via Pyrosequencing

Angela Wei, University of Kentucky

NIGH UNIVERSITY CENTER 300

Psychology

8:30-8:50 a.m.

Future Time Orientation, Gender, and Traditional Academic Procrastination as Predictors of Active Procrastination

Emily Mahoney, Trevecca Nazarene University

8:50-9:10 a.m.

Effect of Maternal Depression and Antidepressant Treatment on Adult Hippocampal Neurogenesis in Rat Offspring

Evien Albazi, Wayne State University

9:10-9:30 a.m.

Gender Differences in Social Anxiety as a Function of Uncertainty and Social Evaluation

Stephanie Powell, Western Carolina University

NIGH UNIVERSITY CENTER 301

Sociology

8:50-9:10 a.m.

Understanding Chiapas, Mexico: An Analysis of Current Conditions on the Ground

Shellby Halliburton, Texas A&M University - Texas-kana

STUDENT ORAL SESSION 10 - SAT 8:30AM-9:30AM

NIGH UNIVERSITY CENTER 304

Sociology

8:30-8:50 a.m.

Racial Civil Rights: Comparing Participation in the Civil Rights Movement to Contemporary Austin, Texas

Rachel Leader, St. Edward's University

8:50-9:10 a.m.

Racially Motivated Slavery in the Modern United States: Does Our Justice System Unfairly Incarcerate and Punish People Based on Race?

Claire Ehr, Valparaiso University

9:10-9:30 a.m.

Raising Reassurance: Exploring How Newcomers Find Support

Courtney Vaugeois, Vancouver Island University

NIGH UNIVERSITY CENTER 312

Women and Gender Studies

9:10-9:30 a.m.

The Phone as a Symbolic Device in Contemporary Female Hip-Hop

Anna Dore, University of Central Oklahoma

NIGH UNIVERSITY CENTER 314

Information Technology

8:30-8:50 a.m.

A Virtual Information Assistant for the CUNY Guttman Community College Using Amazon Alexa

Christopher Mak, City University of New York- Guttman Community College

NIGH UNIVERSITY CENTER 320B

Sociology

8:50-9:10 a.m.

Misinformation: the Role of Media and the

Lasting Effects

Hank Coppin, Connors State College

9:10-9:30 a.m.

Music: Society and the New Gender Pronoun Abstract

Ta'Mar Coby, Texas A&M University - Texarkana

NIGH UNIVERSITY CENTER 320C

Diversity Studies

8:30-8:50 a.m.

Talking Stories: An Analysis of Haolewood's Attempts to Tell Hawai'i's Stories Through Movie Trailers

Pono Suganuma, Utah State University

8:50-9:10 a.m.

Text or Facetime?: The Combined Effects of Media Richness and Diversity on Conflicts and Resultant Performance in Global Virtual Teams

Xuejing Wu, University of Wisconsin - Eau Claire

9:10-9:30 a.m.

The Need for LGBT+ Representation in the Media

Melissa Hightower, Southwestern Oklahoma State University

OLD NORTH 205

Architecture & Interior Design

8:30-8:50 a.m.

Shrinking Cities in the Rust Belt: An Ecological Urban Design Intervention

Dakota Lewis, Kennesaw State University

STUDENT ORAL SESSION 10 - SAT 8:30AM-9:30AM

8:50-9:10 a.m.

Student Mixology: The Integration of Underprivileged Students in Student Housing

Brandon Arroyo, Kennesaw State University

9:10-9:30 a.m.

Study of the Multiple Tuned Mass Damper to Reduce Vibration Serviceability Issues

Stephanie Renard, Virginia Polytechnic Institute & State University

OLD NORTH 206

Mathematics

9:10-9:30 a.m.

Rainbows in Graph Products

Hunter Rehm, University of Wisconsin - La Crosse

OLD NORTH 207

Environmental Studies & Sciences

8:50-9:10 a.m.

The Growth of Synechococcus Species When Compared to New and Used Motor Oil, Glyphosate, and Lambda-cyhalothrin

Desiree Evjen, Mount Saint Mary's University

9:10-9:30 a.m.

The Social Impact of Climate Change in Dakar, Senegal

Elana Evenden, State University of New York-Geneseo

OLD NORTH 208

Neuroscience

8:50-9:10 a.m.

The Role of APOE Genotype, Sex, and 17 β -estradiol in Memory Consolidation in a Mouse Model of Alzheimer's Disease

Sarah Philippi, University of Wisconsin - Milwaukee

9:10-9:30 a.m.

The Role of Proteostasis in Parkinson's Disease

Lotus Lum, University of California-San Francisco

OLD NORTH 211

Nursing

8:30-8:50 a.m.

Researching the Impact of Intravenous (IV) Access Education Among Staff Nurses in India

Ashley Bauchmann, Baylor University

8:50-9:10 a.m.

Steps Towards Diversifying the Nursing Profession and the Impact on Future Health Care

Merelyn Aragon, State University of New York-Brockport

9:10-9:30 a.m.

The Association Between Musculoskeletal Symptoms and Adherence to Endocrine Therapy for Breast Cancer

Valerie O'Loughlin, University of Pittsburgh

STUDENT ORAL SESSION 11 - SAT 9:45AM-10:45AM

**STUDENT ORAL SESSION 11 - SAT
9:45AM-10:45AM**

BUSINESS BUILDING 105

Journalism

10:05-10:25 a.m.

How the Mainstream Media Derailed Healthcare Reform

Ahana Dave, Ithaca College

BUSINESS BUILDING 108

Interdisciplinary Studies

9:45-10:05 a.m.

Traditional Chinese Medicine: Its Incorporation in Japan and Possibilities of Integration in the United States

Sukeji Mikaya, Luther College

10:05-10:25 a.m.

Translating Complex Research into an Accessible Educational Tool for Undergraduate Students

Chazman Childers, Florida International University

10:25-10:45 a.m.

Instructional Heuristics in Innovative Educational Practices

Steven Abramsky, Iowa State University

BUSINESS BUILDING 110

Philosophy & Ethics

9:45-10:05 a.m.

What Modern Americans Could Learn from Classical Ethics

Isis Tilton, Eastern Washington University

10:05-10:25 a.m.

What Modern Americans Could Learn from Classical Ethics

Carissa Teeters, Eastern Washington University

10:25-10:45 a.m.

What Modern Americans Could Learn from Classical Ethics

Peyton Owen, Eastern Washington University

BUSINESS BUILDING 212

Political Science

9:45-10:05 a.m.

What Is "Sanctuary Policy"?

Robert Kirk, University of Central Oklahoma

10:05-10:25 a.m.

Why the NIH and CDC Give Substantial Assistance to Some Public Health Crises and Not Others

Brooke Grill, Susquehanna University

**CENTER FOR TRANSFORMATIVE
LEARNING 101**

Anthropology & Archeology

9:45-10:05 a.m.

The Rise and Fall of Sharecropping in Brunswick County, Virginia

Larissa Reed, American University

10:05-10:25 a.m.

Water Systems of Antiquity: The Effect of Water Management on Western Civilization

Tucker McCoy, University of Central Oklahoma

**CENTER FOR TRANSFORMATIVE
LEARNING 109**

Geography & Earth Sciences

9:45-10:05 a.m.

Remote Sensing Analysis of Permanent Agricultural Dry-up

Jillian LaRoe, Colorado State - Colorado State University- Cooperative Extension- Jefferson Co

STUDENT ORAL SESSION 11 - SAT 9:45AM-10:45AM

10:25-10:45 a.m.

Where Have All the Good Students Gone?
Luke Davis, Eastern Connecticut State University

CENTER FOR TRANSFORMATIVE LEARNING 117

History

9:45-10:05 a.m.

*For Faith or Fatherland: Religion's Impact
on Perception and Justification of Japanese
Internees During World War II*
Riva Cullinan , Hendrix College

CENTER FOR TRANSFORMATIVE LEARNING 118

History

9:45-10:05 a.m.

Spanish Illuminated Manuscripts
Arielle Arnold, University of Central Oklahoma

10:05-10:25 a.m.

*Teaching Morality: How the Religious Right
Controlled the Narrative on Sex Education
After the AIDS Crisis*
Bridget Cuadra, University of Central Oklahoma

CENTER FOR TRANSFORMATIVE LEARNING 237

History

9:45-10:05 a.m.

Divided We Revise
Alice Grissom, University of Alabama at Birmingham

COMMUNICATIONS BUILDING 121 Film/Photography Studies

9:45-10:05 a.m.

*Time After Time: Adaptations by Christopher
Nolan*
Denby Holloman, Appalachian State University

COMMUNICATIONS BUILDING 204

Education

9:45-10:05 a.m.

*Working on Los Angeles: Developing Vocation-
al Labor Market Opportunities*
Melanie Corral, Mount Saint Mary's University

EDUCATION BUILDING 106

Microbiology & Immunology

9:45-10:05 a.m.

*The Effect of Non-Caloric Sweeteners and Sug-
ars on Digestive Tract Microflora*
Teagan Duran, Lubbock Christian University

10:05-10:25 a.m.

*The Effects of BCL3 on Migration in Chronic
Lymphocytic Leukemia*
Caroline Lee, Hendrix College

10:25-10:45 a.m.

*The SMARMS Database: Mining Publical-
ly-available Information to Enable Antibiotic
Discovery*
Gianna Beckmann, High Point University

EDUCATION BUILDING 203

Engineering/Engineering Technology

10:05-10:25 a.m.

*The Tale of Two Devastating Earthquakes in
Mexico City*
Enrique Rubio Delgado, Iowa State University

10:25-10:45 a.m.

*The Use of Geosynthetics for Lateral Stabiliza-
tion in Earthen Block Construction*
Emma Coggin, University of Oklahoma Norman
Campus

EDUCATION BUILDING 204

Health Sciences & Public Health

9:45-10:05 a.m.

Needs in Pediatric Oncology Families
Hanan Rakine, Wayne State University

10:05-10:25 a.m.

*Neuromotor Training in Older Adults: A Pilot
Study*
Michelle Perri, St. Catherine University

10:25-10:45 a.m.

*Ontology-based Representation and Analysis of
Adverse Events Associated with Neuropathy-in-
ducing Drugs*
Solomiya Nysak, University of Michigan

EDUCATION BUILDING 208

Microbiology & Immunology

9:45-10:05 a.m.

*Granzyme B in B-cell Derived Extracellular
Vesicles: a Novel Mechanism to Kill T Helper 2
Cells in Allergic Asthma?*
Jennifer Yang, University of Michigan

10:05-10:25 a.m.

*How Supplemental Iron Impacts the Antibacte-
rial Effects of Manuka Honey*
Laurisa Ankley, Eastern Washington University

EDUCATION BUILDING 210

Engineering/Engineering Technology

9:45-10:05 a.m.

*Implementing a Perceptron Neural Network on
DE2-115 FPGA Using Floating Point Designed
Modules in Verilog*
Ephraim Nielson, Utah Valley University

10:25-10:45 a.m.

Investigating Effects of Tempering Tempera-

STUDENT ORAL SESSION 11 - SAT 9:45AM-10:45AM

tures of A2 Steel

Madison Anderson, James Madison University

EDUCATION BUILDING 214

Biology

9:45-10:05 a.m.

*Visualization of Exosome Production in Hu-
man Embryonic Kidney Cells Under Various
Conditions*
James Grissom, Western Carolina University

10:05-10:25 a.m.

*Which Phylogeny Better Fits Species Trait
Data: Time or Molecular Tree?*
Kevin Surya, Montana State University Bozeman

EDUCATION BUILDING 302

Economics

9:45-10:05 a.m.

*Utilizing Unmanned Aerial Systems for Trans-
portation Mishap Investigations*
dylan michaels, Jacksonville University

EDUCATION BUILDING 304

Economics

9:45-10:05 a.m.

*Revisiting the Paris Agreement Post Confer-
ence of the Parties*
Jeno Jaramillo, City University of New York- Borough
of Manhattan Community College

10:05-10:25 a.m.

*Significance of Education Public Investment
Initiatives in Central Appalachia*
Natalie Chapman, The University of Virginia's College
at Wise

STUDENT ORAL SESSION 11 - SAT 9:45AM-10:45AM

EDUCATION BUILDING 311

Biological Engineering

9:45-10:05 a.m.

Regenerative Temporomandibular Joint Implants

Kristen Smith, University of Oklahoma Norman Campus

10:05-10:25 a.m.

Susceptibility of Oxidative Damage in Proteins Due to Their Secondary Structure

Raeesa Kabir, University of Minnesota, Twin Cities

10:25-10:45 a.m.

The Effect of Hand Aperture on the Perception of Compliance: an Object Discrimination Study

Francesca Riccio-Ackerman, Florida International University

EDUCATION BUILDING 312

Physiology

9:45-10:05 a.m.

Can Exercise Training Limit Endothelial Dysfunction in Aged Mice by Preserving Vascular Autophagy?

Aaron Wallace, University of Utah

10:05-10:25 a.m.

Characterization of Mitochondrial Variation Between Oocytes Harvested from Lean and Obese Pigs

Madison Gohlke, Auburn University

NIGH UNIVERSITY CENTER 300

Psychology

9:45-10:05 a.m.

Effects of Group Building on Self-Serving Bias

Stephanie Nunez, Cerritos College

10:05-10:25 a.m.

Do Clothes Make the Woman? The Relationship Between Attire and Perceptions of Female Warmth, Competence, and Leadership in a Competence-Based Setting

Geneva Hill, Hendrix College

10:25-10:45 a.m.

African American Masculinity & Perceived Discrimination (Internalization and Externalization of Emotions)

Shante Fossie, University of Wisconsin - Whitewater

NIGH UNIVERSITY CENTER 301

Sociology

9:45-10:05 a.m.

Youth Activism in Environmental and Climate Justice Solutions

Laura Donovan, University of Wisconsin - Stout

NIGH UNIVERSITY CENTER 304

Sociology

9:45-10:05 a.m.

Social Exchange Theory and Love

Allison Hall, Texas A&M University - Texarkana

10:05-10:25 a.m.

The 100 Day Closet Project: Cultural Blindness and the Effects on Those Beneath the Poverty Line in Developed Countries

Emily Regan, Utah Valley University

10:25-10:45 a.m.

The Evolution of Media Narratives of School Shootings in the Media

Jensen Collins, Elon University

NIGH UNIVERSITY CENTER 312

Women and Gender Studies

9:45-10:05 a.m.

STUDENT ORAL SESSION 11 - SAT 9:45AM-10:45AM

Following the Money: Entrepreneurial Women Authors and Their Female Characters
Hailey Costigan, California Lutheran University

10:05-10:25 a.m.

The Presentation of Divine and Performative Femininity to LDS Children

Erin Barnett, Utah Valley University

10:25-10:45 a.m.

Wives and Witches: The Systematic Oppression of Shakespeare's Commanding Females

Madeline Swenson, The College of Saint Scholastica

NIGH UNIVERSITY CENTER 314

Software Engineering

9:45-10:05 a.m.

Developing a Real-time Patient Monitor Data Import System

Mohamed Hozayen, Carleton University

10:25-10:45 a.m.

Visual Continuous Delivery and Microservice Architectural Educational Pipeline

Nathan Cooper, University of West Florida

NIGH UNIVERSITY CENTER 320B

Sociology

9:45-10:05 a.m.

Political Party and Issue Opinions: Do Americans Really Stand with Their Party?

Kelsey Hunter, Doane College

10:05-10:25 a.m.

Race and Gender at Work: Men's and Women's Experiences

Alleluia Musabyimana, Eastern Illinois University

10:25-10:45 a.m.

Race, Public Opinions, and Capital Punishment

Sha' Kurra Evans, Iowa State University

NIGH UNIVERSITY CENTER 320C

Computer Science

10:25-10:45 a.m.

Tracking STEM Major Degree Progress with Sankey Diagrams

Benjamin Stockton, University of Wisconsin - Whitewater

Diversity Studies

9:45-10:05 a.m.

UWEC Honors Data Project

Leah Martinez, University of Wisconsin - Eau Claire

OLD NORTH 205

Architecture & Interior Design

9:45-10:05 a.m.

The Human and Environmental Impacts of Foreclosure: Washington Park and Sherman Park

Teonna Cooksey, University of Wisconsin - Milwaukee

10:05-10:25 a.m.

Vertical Essence: The Rehabilitation of Social Housing

Didier Porter, Kennesaw State University

10:25-10:45 a.m.

Where Two Become One: A Qualitative Examination of Emerging Adults' Ideal Wedding Receptions

Shannon Duff, University of Nebraska at Kearney

STUDENT ORAL SESSION 11 - SAT 9:45AM-10:45AM

OLD NORTH 206

Mathematics

10:05-10:25 a.m.

Symmetries of Degree 8 Polynomials

Kiley Shannon, Elon University

10:25-10:45 a.m.

The Firefighter Problem: Containing Fires on Grids

Emily Menendez, Eastern Connecticut State University

OLD NORTH 207

Environmental Studies & Sciences

9:45-10:05 a.m.

Using GIS to Assess How Forest Health Treatments Impact Biodiversity in the San Juan National Forest

Matt Edrich, Colorado State - Colorado State University- Cooperative Extension- Jefferson Co

OLD NORTH 208

Neuroscience

9:45-10:05 a.m.

Transcranial Direct Current Stimulation in Aphasia

Erin Day, University of Michigan

OLD NORTH 211

Nursing

9:45-10:05 a.m.

The Associations Between Patient's Cognitive Function and Caregiver's Perceived Patient Problem Behaviors and Caregiver's Vigilance

Mengchi Li, University of Pittsburgh School of Nursing

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

ANTHROPOLOGY & ARCHEOLOGY

Wellness Center - Kiosk 1 Side C

Contents of a Felidae Coprolite from Domebo, a Paleo-Indian Kill Site

Kacie Foreman, Cameron University

Wellness Center - Kiosk 32 Side B

The Effects of Prolonged Decomposition on the Structural Integrity of DNA

Alex Cruz, Western Carolina University

ARCHITECTURE & INTERIOR DESIGN

Wellness Center - Kiosk 11 Side A

"He Said, She Said"

Bethany Wilson, University of Nebraska at Kearney

Wellness Center - Kiosk 11 Side B

[Re]Defining Chandigarh

Dhruvee Patel, Kennesaw State University

Wellness Center - Kiosk 11 Side C

A New Clinical Model for Ambulatory Care: Focus On Wellness, Rather Than Illness

Rachel Richter, University of Nebraska, Lincoln

ART & SOCIETY

Wellness Center - Kiosk 20 Side A

Unearthing Identity Through Cross Cultural Art: An Implication of Art Curriculum

Fatima Mohamud, University of Central Oklahoma

Wellness Center - Kiosk 20 Side B

Critical Examinations of Visual Culture's Impact on the Lowenfeld's Developmental Stage of Art for Children

Kristen Martin, University of Central Oklahoma

Wellness Center - Kiosk 20 Side C

Cross-Cultural Significance of Blue and White Ceramics of China and the Netherlands in the 1600s

Warapat Krasaetanont, University of Central Oklahoma

ART HISTORY

Wellness Center - Kiosk 17 Side A

Cults of Personality: A Comparative Study of Kim Il-Sung and Nicolae Ceausescu

Blair Summers, University of Central Oklahoma

Wellness Center - Kiosk 17 Side B

Laughter of Superiority: a Comparison of Commedia Dell'Arte in 16th Century Venice and Amüsierkabarett in Early 20th Century Berlin

Olivia Musgrove, University of Central Oklahoma

Wellness Center - Kiosk 17 Side C

Tower of Babel: a Comparative of Multilingual Societies in Japan and Belgium During the 16th Century

Michael May, University of Central Oklahoma

Wellness Center - Kiosk 38 Side A

Art Historical Study of the Trauma of Human Migration by Boat to the United States Since 1970s

Nina Nguyen, University of Central Oklahoma

Wellness Center - Kiosk 38 Side B

Cults of Mother Goddess: A Comparative Examination Between Renaissance Italy and Egypt in Fourth Century B.C.E

Lyazzat Galilolla, University of Central Oklahoma

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

ASTRONOMY

Wellness Center - Kiosk 43 Side A

A Cohesive Comparison: CSHELL vs. IShell for Analysis of Emissions of O₂ Single Delta in the Martian Atmosphere

Jonathon Nosowitz, Iona College

Wellness Center - Kiosk 43 Side B

Bridgewater State University's Progress Towards Confirming Exoplanet Candidates

Maria Patrone, Bridgewater State University

BIOCHEMISTRY

Wellness Center - Kiosk 9 Side A

Determining the Interaction of Pex5 with Kinases and the Phosphorylation Status of Peroxisome Proteins

Christina Nguyen, Kennesaw State University

Wellness Center - Kiosk 9 Side B

Expression of Human Gamma-Glutamylcysteine Synthetase

Secilia Martinez, Texas Woman's University

Wellness Center - Kiosk 9 Side C

Lipid Metabolomic Analysis of Bladder Cancer Cells Using LCMS Methods

Bliss Baird, University of Oklahoma Norman Campus

Wellness Center - Kiosk 16 Side A

Activation of the mTOR Pathway in Parkinson Disease

Angela Hinchie, University of Kentucky

Wellness Center - Kiosk 16 Side B

Analysis of the DNA Sequence or Structural Specificity on Spacer Uptake by Type II-A CRISPR System

Patrick Lockwood, University of Oklahoma Norman Campus

Wellness Center - Kiosk 16 Side C

Crystallographic Studies of the Coiled Coil Domain of MksB Protein

Annapoorani Asokan, University of Oklahoma Norman Campus

Wellness Center - Kiosk 55 Side A

Hyperexpression of Biofilm-breaking Enzymes and Disturbance of Biofilm from Staphylococcus aureus SA113

Kaylin Shackelford, Northeastern State University

Wellness Center - Kiosk 55 Side B

Modulation of Nerve Growth Factor (NGF) Expression in Trinitrobenzene Sulfonic Acid (TNBS) Induced Colitis in Rat Colon

Christy Eslinger, Tulsa Community College

Wellness Center - Kiosk 55 Side C

Characterization of Inhibitors of Human DNA Ligases

Kyle Schaubroeck, University of Michigan

Wellness Center - Kiosk 61 Side A

Medicine on Mars

Minerva Gillis, Lone Star College

Wellness Center - Kiosk 61 Side B

Site-Directed Mutagenesis and FRET Analysis of Palladin Interactions

Abby Jurgensmeier, Wichita State University

Wellness Center - Kiosk 61 Side C

Site-Directed Mutagenesis of the ParD Antitoxin to Examine Binding Interaction with the ParE Toxin

Tamiko Murphy, University of Oklahoma Norman Campus

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

BIOLOGICAL ENGINEERING

Wellness Center - Kiosk 3 Side A

3D Bioprinting Hyaluronic Acid Based Hydrogels to Mimic a Corneal-Endothelium Extracellular Matrix

Osamah Mian, University of Oklahoma Norman Campus

Wellness Center - Kiosk 3 Side B

Bigger Targets Are Easier to Hit: Facile Chloroplast Genome Transformation in Nicotiana Tabacum Cv. Petit Havana with Giant Chloroplasts

Jessica Layton, University of Tennessee at Knoxville

Wellness Center - Kiosk 3 Side C

Grinding Wheel Motion and Force During Plaque Removal By Rotational Atherectomy In Angulated Coronary Artery

Jason Lo, University of Michigan

Wellness Center - Kiosk 25 Side A

A Computer Simulation Study of Surface Profile Statistical Properties for a Simple Biofilm System

Karee Hustedde, Doane College

Wellness Center - Kiosk 25 Side B

Cilia-driven Cellular Diffusion and Biomixing at Different Viscosities

Oswah Cheema, University of Central Oklahoma

Wellness Center - Kiosk 37 Side B

The Use of Optical Coherence Tomography to Analyze the Efficacy of Skin Care Products

Sarosh Irani, Wayne State University

Wellness Center - Kiosk 39 Side B

Determining Effects on the Volumetric Properties of Red Blood Cells Corresponding to

Varied Levels of Intracellular Oxygen Tension

John Lisi, University of Rochester

Wellness Center - Kiosk 39 Side C

Methods for Optimization of Recombinant Spider Silk Protein from Goat Milk

Brandon Yazzie, Utah State University

BIOLOGY

Wellness Center - Kiosk 26 Side A

Looking Back at the Epidemic: A Retrospective Study of HIV in Washington, D.C.

Margaret Steiner, The George Washington University

Wellness Center - Kiosk 26 Side B

Peripheral Influenza Infection Alters the Transcriptome of the Cerebellum and Spinal Cord in a Gender-specific Manner

Sidney Stuckett, Fisk University

Wellness Center - Kiosk 26 Side C

Relationship Between Locomotor Function and Nora Virus Infection in Drosophila Melanogaster

Amanda McCown, University of Nebraska at Kearney

Wellness Center - Kiosk 33 Side A

A Comparison of Cytotoxicity of the Two Human Cell Lines: HCT116 Human Colon and HeLa Human Cervical Cancer Cells

Abigail Jokerst, The University of Findlay

Wellness Center - Kiosk 33 Side B

Developing A More Efficient Method For Generating Knock Out Cell Lines Using CRISPR/Cas9

Hayley Chang, University of Rochester

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

Wellness Center - Kiosk 33 Side C

*How Crowded Is Too Crowded? Effects of High Density Rearing on Reproductive Physiology and Metabolic Rates of *Acheta domesticus*.*

Veronica Wagner, North Central College

Wellness Center - Kiosk 34 Side A

Genetic Variation in the Human Relaxin 2 (RLN2) Promoter Affects in Vitro Expression, with Potential Implications for Susceptibility to Preterm Birth

Lindsay Loughner, Duquesne University

Wellness Center - Kiosk 34 Side B

Isolating Novel Actinomycetes from Centralia, Pennsylvania Soil

Corinne Weikel, Susquehanna University

Wellness Center - Kiosk 34 Side C

*Predictive Modeling of *E. coli* Levels at Urban Beaches Along Lake Michigan*

Abigail Ginther, University of Wisconsin - Milwaukee

Wellness Center - Kiosk 37 Side C

Investigating the Role of Microphthalmia-Associated Transcription Factor (MITF) in Autophagy and Melanogenesis

Roshan Darji, University of Alabama at Birmingham

Wellness Center - Kiosk 40 Side B

*Characterization of Isoflavone Binding to the Estrogen-Related Steroid Receptor in *Drosophila melanogaster* Following Ingestion*

Theresa Shafto, Albright College

Wellness Center - Kiosk 40 Side C

Efferent Mushroom Body Axons Terminate in Lateral Horn of the Pogonomyrmex barbatus (harvester Ant) Brain

Madison Gallucci, Westminster College

Wellness Center - Kiosk 44 Side A

Adipose IL-10 Decreases at the Onset of Glucose Intolerance in Fattening Ground Squirrels

Santidra Love, University of Wisconsin - Oshkosh

Wellness Center - Kiosk 44 Side B

Characterization Of The Naked Mole Rat Secreted Hyaluronan Signaling Network And Its Role In Cancer Avoidance

Audrey Goldfarb, University of Rochester

Wellness Center - Kiosk 44 Side C

Environmental Conditions Affecting Development of Mosquito Larvae Responsible for Transmitting West Nile Virus

Dane Anderson, Eastern Washington University

Wellness Center - Kiosk 48 Side A

Phage-based Detection of Alzheimer's Disease Pathology

Matthew Hayslip, University of West Florida

Wellness Center - Kiosk 48 Side B

Presence and Prevalence of Community Acquired MRSA Within the Blanchard River Watershed

Rebekkah Friske, The University of Findlay

Wellness Center - Kiosk 48 Side C

*Skn-1 Dependence of Cocoa Powder Lifespan Extension on *Caenorhabditis elegans**

Batul Dhariwala, University of Wisconsin - Whitewater

Wellness Center - Kiosk 57 Side C

Von Willebrand Factor as a Mechanism of Platelet Storage in the Bone Marrow of 13 Lined Ground Squirrels

Tyler Billman, University of Wisconsin - La Crosse

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

Wellness Center - Kiosk 60 Side A

Use of Jasmonic Acid and Salicylic Acid in Nematode Infested Soybeans

Winifred Zajac-McConaghy, University of Central Oklahoma

Wellness Center - Kiosk 60 Side B

*Examination of Genetic Structure in an Independent Invasion of Mediterranean Geckos (*Hemidactylus turcicus*) at the University of Oklahoma*

Samah Houmam, University of Central Oklahoma

Wellness Center - Kiosk 60 Side C

How Does the Overexpression of the Mov10 Gene in Humans Affect the Expression of Other Genes in the Human Body?

Jalen Thomas, Fisk University

CELL & MOLECULAR BIOLOGY

Wellness Center - Kiosk 13 Side B

Sirt6-Dependent Histone H3k36 Di-Methylation Is Required For Non-Homologous End Joining Dna Repair And Genome Stability

Seyed Ali Biashad, University of Rochester

Wellness Center - Kiosk 13 Side C

The Bacterial Diversity Found in the Rhizosphere Between Soil Samples Taken from Ecological Niches Using 16S RRNA Genes

Ashley Kennedy, Tulsa Community College

Wellness Center - Kiosk 31 Side A

CDNA Synthesis and Cloning of Tomato Mosaic Viral RNA (ToMV) Using One-step Nested RT-PCR

Jacob Gray, Indiana University of Pennsylvania

CHEMICAL ENGINEERING

Wellness Center - Kiosk 5 Side B

Development of Textile Materials with Poten-

UNIVERSITY OF CENTRAL OKLAHOMA

tial Microbial Resistant Properties Using Zinc Metal-Based Nanomaterials

Kaitlyn Brasecker, Western Carolina University

Wellness Center - Kiosk 5 Side C

Effect of Additives on Reduction Potential for Electroplating Battery Anodes

Callum Breene, University of Rochester

Wellness Center - Kiosk 28 Side A

Efficient Charge Separation in Composite Photosystem I/PEDOT Photocathodes Prepared by Vapor Phase Polymerization

Bridget Anger, University of Maryland, Baltimore County

Wellness Center - Kiosk 28 Side B

Quantifying Pharmaceutical Composite Breakup Using Acoustic Methods

Youra Moeun, Montana State University Bozeman

Wellness Center - Kiosk 28 Side C

*Studying the Effect of Nutrient and Light Variation on the Growth and Oil Production of *Neochloris conjuncta**

Celine Garcia, Texas A & M University - Kingsville

Wellness Center - Kiosk 45 Side A

Studying the Wastewater Treatment Technique-Adsorption with Granular Activated Carbons (GAC) at Different Influent Concentration

Jose Garcia, Texas A & M University - Kingsville

Wellness Center - Kiosk 45 Side B

Synthesis of High-Performance Artificial Muscle Fibers from Liquid-Crystal Elastomers

Kevin Moseni, Oklahoma State University

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

CHEMISTRY

Wellness Center - Kiosk 19 Side A

Developing 3D Printed Devices to Concentrate DNA for Genome Analysis

Cody Masters, University of Nebraska at Kearney

Wellness Center - Kiosk 19 Side B

Molecular Dynamics Simulations Study of the Human ITPA Substrate Binding

Michael Metro, Eastern Washington University

Wellness Center - Kiosk 19 Side C

Long-Range Ordering in 1-Methyl-1-alkylpyrrolidinium Bis(trifluoromethylsulfonyl)imide Ionic Liquids

Reese Richardson, North Central College

Wellness Center - Kiosk 46 Side B

Computational Exploration of the Structural and Energetic Characteristics of H3N-GeX3R Complexes

Patrick Treacy, University of Wisconsin - Eau Claire

Wellness Center - Kiosk 46 Side C

Effects of Lignocellulose Characteristics During Thermal Analysis

Sarah Hodges, University of Kentucky

COMMUNICATION SCIENCES & DISORDERS

Wellness Center - Kiosk 12 Side A

Acquisition of a Second Language Through Repetition and Imitation

Sidney Delozier, University of Nebraska at Kearney

Wellness Center - Kiosk 12 Side B

Intergenerational Communication Effectiveness Training

Rachel Moldenhauer, University of Wisconsin - White-water

Wellness Center - Kiosk 12 Side C

Modifications of Parent-Child Pre-Academic Practices After a Parent Training Program Within The Children's Museum

Ala Abdeljaber, University of Wisconsin - Milwaukee

COMMUNICATIONS

Wellness Center - Kiosk 35 Side A

A Case Study of Bud Light Managing an Issue in the Digital Age

Abigail Hatfield, Bridgewater State University

Wellness Center - Kiosk 35 Side C

Salisbury and Wicomico County Employment Support: Helping the Community Help Itself

Shannon McHenry, Salisbury University

COMPUTER SCIENCE

Wellness Center - Kiosk 8 Side A

Analysis of Autonomous Last-Leg Delivery

Joseph Blanco, Kennesaw State University

Wellness Center - Kiosk 8 Side B

Data and Soul: Exploratory Data Mining and Analysis in Music

John Vonelli, Moravian College

Wellness Center - Kiosk 29 Side A

Creating a Front-end Interface for Interactive Spaces

Sarah Allen, Elon University

Wellness Center - Kiosk 29 Side B

Intelligent Computer-Mediated Communication Tools

Spencer Hanson, University of Michigan

Wellness Center - Kiosk 29 Side C

Developing a Deep Learning Method for Rede-

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

fining the CpG Islands

Samuel Cherwonik, State University of New York-Brockport

CRIMINOLOGY/CRIMINAL JUSTICE

Wellness Center - Kiosk 24 Side A

Changing View of Law Enforcement Through the General Public Eyes

Jared Pollard, Cameron University

Wellness Center - Kiosk 24 Side B

Criminal Justice Contact and Relapse Among Patients Seeking Treatment for Opioid Use Disorder

Steven Lawson, Western Carolina University

ECOLOGY & ORGANISMAL BIOLOGY

Wellness Center - Kiosk 14 Side A

Benthic Macroinvertebrate Response to Variation in Fall Discharge of the Upper Main Stem of the Susquehanna River

Altan Ernesti, Susquehanna University

Wellness Center - Kiosk 14 Side B

Climate-Linked Phenological Shifts Detected in the Context of an Ongoing Biodiversity Inventory of Odonata

Christian Bullion, The University of Virginia's College at Wise

ECONOMICS

Wellness Center - Kiosk 10 Side B

Domestic Violence's Association with Mortgage Delinquencies

Alissa Ballheim, Eastern Washington University

Wellness Center - Kiosk 10 Side C

The Impact of Private School Competitive Ef-

fects on Public School Racial Segregation

Henry Woodyard, University of Southern Mississippi

Wellness Center - Kiosk 23 Side A

Modeling Differences in Housing Prices Between the North and South Lake Suburbs of Milwaukee, Wisconsin

Nasreen Pournik, Carthage College

Wellness Center - Kiosk 23 Side B

The Rise in Student Debt and the First-Time Home Buyers Market: An Empirical Investigation

Thomas Weiss, Shippensburg University

ENGINEERING/ENGINEERING TECHNOLOGY

Wellness Center - Kiosk 7 Side A

Acid (HCL) Effect on the pH Value of Chemical Solutions

jedeshkeran Chandrasegaran, Midwestern State University

Wellness Center - Kiosk 7 Side B

Bubble Formation and Liquid Vaporization

Sandra Edward, University of Kentucky

Wellness Center - Kiosk 7 Side C

Cracking Behavior of High-Strength Spiral Steel Bars in Concrete Slabs

PARFAIT MASUNGI, University of Texas at San Antonio

Wellness Center - Kiosk 15 Side B

Effects of Fiber Percentage and Orientation on Fixtures Manufactured by Nylon-Carbon Fiber 3D Printing

Jacob Jones, Minnesota State University, Mankato

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

Wellness Center - Kiosk 15 Side C

Grip to the Finish

Henrique Ribeiro, Utah Valley University

Wellness Center - Kiosk 47 Side A

Biomechanical Testing of Heart Valve Tissues

Octavio Serrano, University of Oklahoma Norman Campus

Wellness Center - Kiosk 47 Side C

Improving Plate Heat Exchanger Design to Increase the Pressure Tolerance Limit

Brett Scheffe, Midwestern State University

Wellness Center - Kiosk 58 Side C

This Valve Feels Sturdy Enough

Charles Galbreath, Utah Valley University

ENVIRONMENTAL STUDIES & SCIENCES

Wellness Center - Kiosk 4 Side A

A Comparative Study: The Survival Rate of the Atala Butterfly in the Pine Rocklands

Christina Leonard, Florida International University

Wellness Center - Kiosk 4 Side B

Hook, Line and Sinking Metals

Kathryn Mudica, Indiana State University

Wellness Center - Kiosk 4 Side C

Plastics and Fish Don't Mix: Potential Effects of Microplastics on Juvenile Fathead Minnows

Georgia Caplen, Ithaca College

HEALTH SCIENCES & PUBLIC HEALTH

Wellness Center - Kiosk 2 Side A

An Analysis of Mental Health Help-seeking Behaviors and Perceptions of Students in Transi-

tion from High School to College

Alexa Trost, Elon University

Wellness Center - Kiosk 2 Side C

Correlation Between Alcohol Consumption & Basal Metabolic Rate (BMR)

Lamuel Bean, Miami University

Wellness Center - Kiosk 56 Side A

Study of the T790M Mutation Induced by TKI Treatment in Lung Cancer

Alex Cooke, University of Michigan

Wellness Center - Kiosk 56 Side B

The Effects of the Perceived Patient-Physician Relationship on Medication Adherence in a Rural Family Practice

Cayla Lawless, Bethel College

KINESIOLOGY & EXERCISE SCIENCE

Wellness Center - Kiosk 50 Side A

A Biomechanical Analysis of Posterior Impingement Syndrome in Female Collegiate Ballet Dancers

Beth Carvin, Bridgewater State University

Wellness Center - Kiosk 50 Side B

Effectiveness of Motivational Interviewing for Different Personalities in College Students

Jenna Petersen, Iowa State University

Wellness Center - Kiosk 50 Side C

Nutrition Analyses for NCAA Division 1 Track Athletes

Kirsten Hizer, Jacksonville University

MATHEMATICS

Wellness Center - Kiosk 27 Side A

Modeling Disease Transmission: Incorporating Family Cliques in Exponential Random Graphs

Will Dumm, Montana State University Bozeman

MICROBIOLOGY & IMMUNOLOGY

Wellness Center - Kiosk 54 Side A

Identifying a Potentially Novel Microbiospora Species from Centralia, PA Through Physiological and Genetic Comparisons of Closely Related Species

Desiree Furbert, Susquehanna University

Wellness Center - Kiosk 54 Side B

*Assessing Essential Oils for Alternative Control Mechanisms Against Multidrug Resistant *Pseudomonas Aeruginosa**

David Alvarado, Northeastern Illinois University

Wellness Center - Kiosk 54 Side C

*Effects of Variable Carbon Sources on Growth and Motility of *Salmonella enterica* Typhimurium*

Pete Villarreal, Texas A & M University - Kingsville

NEUROSCIENCE

Wellness Center - Kiosk 18 Side B

Quantifying Cochlear Nerve Myelination in Mice Lacking Thyroid Hormone Transporters

Stephanie Peterson, Minnesota State University, Mankato

PHILOSOPHY & ETHICS

Wellness Center - Kiosk 22 Side A

Ethical Implications of Omitting Human Data: A Good Idea for Autonomous Vehicles?

Joshua Pachter, University of Rochester

Wellness Center - Kiosk 22 Side B

Euthanasia: A Form of Newgenics?

Gabrielle Sinnott, Daemen College Daemen

Wellness Center - Kiosk 22 Side C

Moral Responsibility: A Spectrum and Where Drug Addiction Fits In

Christina Weinbaum, Brooklyn College

Wellness Center - Kiosk 30 Side A

Native American Culture, Community Identity, and Land: Use of Decision Theory and Morals

Micaiah Harris, Northern Arizona University

Wellness Center - Kiosk 30 Side B

Parsimony, Parsimony, Parsimony

Lydia Morley, University of Utah

Wellness Center - Kiosk 30 Side C

Pragmatism, National Identity, and a Sustainable American Society

Leya Maliekal, Wayne State University

PHYSICS

Wellness Center - Kiosk 52 Side B

Self-Navigating Field Programmable Gate Array Robot

Marissa Zaleski, University of Wisconsin - Eau Claire

Wellness Center - Kiosk 52 Side C

Velocity Density Function with Edgeworth Expansion and Macroscopic Properties

Matthew Henry, East Central University

POLITICAL SCIENCE

Wellness Center - Kiosk 6 Side B

Participation in Civic Organizations and Political Participation

Robbie Day, Cameron University

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

Wellness Center - Kiosk 6 Side C

How Gun Laws Affect the Weapon Choice of Terrorists

McKayla Brady, Susquehanna University

Wellness Center - Kiosk 21 Side A

Ending the Disappearances: Analyzing U. S. Diplomacy in Argentina 1976-1983

Christian Flores, Illinois College

Wellness Center - Kiosk 21 Side B

Family Farms on the Great Plains: Protecting Heritage

Carson Messersmith, University of Nebraska at Kearney

Wellness Center - Kiosk 21 Side C

How Candidates Are Reaching Millennials on Facebook

Alexander Beyer, University of Wisconsin - Stout

PSYCHOLOGY

Wellness Center - Kiosk 42 Side A

Attitudes Towards Mental Illness

Christina Schiavone, Adelphi University

Wellness Center - Kiosk 42 Side B

Cheating Relationships and Alcohol Consumption

Kelly Clark, Miami University

Wellness Center - Kiosk 42 Side C

Demographics' Effects on the Severity of PTSD Symptomology from a Possibly Traumatic Event

Charles Toussaint, University of Central Oklahoma

Wellness Center - Kiosk 49 Side A

Demographic Factors Moderate the Relationship Between Anxiety and Depression Symptoms

Chelci Oliver, University of Central Oklahoma

Wellness Center - Kiosk 49 Side B

Demographics as a Moderator for Emotional Reactivity to Trauma and Post-Traumatic Growth

Madison Day, University of Central Oklahoma

Wellness Center - Kiosk 49 Side C

Egocentrism Over Text Messaging: Does Emoji Use Enhance Communication?

Morgan Nicoll, University of Central Oklahoma

Wellness Center - Kiosk 51 Side A

Propensity for Prosocial Spending: Social Motivation in Spending Behaviors

Michael White, Elmhurst College

Wellness Center - Kiosk 51 Side B

Social Media Abstinence and Well-Being

Marcus Alexander, University of Memphis- Lambuth

Wellness Center - Kiosk 53 Side A

I Know It If I Read It: Perception of Reliability and Credibility of News Stories

Emily Burgess, Southwestern Oklahoma State University

Wellness Center - Kiosk 53 Side B

Pain from Cold Water Immersion Increases Credulity

Alexandra Lessard, Hamline University

STUDENT POSTER SESSION 1 - THU 10:45AM-11:45AM

Wellness Center - Kiosk 53 Side C

Relationships of Adverse Childhood Experience Scores and Coping Strategies of College Students Using Experience Sampling Method

Stephanie McGhee, Bethel College

Wellness Center - Kiosk 59 Side A

The Whys and Hows of Social Media Use

Eleni Spyrou, Adelphi University

Wellness Center - Kiosk 59 Side B

The Roles of Rumination and Neuroticism in Borderline Personality Disorder

Courtney Mason, Oklahoma State University

Wellness Center - Kiosk 59 Side C

What Makes an Emotion?: Contributions of Alexithymia and Interoceptive Awareness to Emotional Perception of and Emotional Response to Categorically-related Images

Nathan Torunsky, University of Minnesota, Twin Cities

SOCIAL WORK

Wellness Center - Kiosk 41 Side B

Parents' Divorce and Fear of Intimacy Among College Students

Breanna Dial, Midwestern State University

Wellness Center - Kiosk 41 Side C

Students' Attitudes Towards Mental Illness: A Comparative Analysis

Anna McLaughlin, Winthrop University

SOCIOLOGY

Wellness Center - Kiosk 36 Side A

The Sustainability of Biphasic Sleep: An Examination of Sleep Habits and College Student Productivity

Joseph Daus, Virginia Commonwealth University

Wellness Center - Kiosk 36 Side B

Facebook vs. Face-to-Face

Dillon Quest, University of Wisconsin - Stout

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

ANTHROPOLOGY & ARCHEOLOGY

Wellness Center - Kiosk 43 Side A

Reexamination of Human Interaction and Possible Contamination of the Domebo Mammoth Kill Site

Nicole Hill, Cameron University

Wellness Center - Kiosk 43 Side C

Reflections of the Human Condition During the Late Bronze Age in Crete: The Case of Krousonas Tholos Tomb

Christina DeBlasio, Adelphi University

ARCHITECTURE & INTERIOR DESIGN

Wellness Center - Kiosk 29 Side B

The Principle of Craft

Lee Martin, Kennesaw State University

Wellness Center - Kiosk 29 Side C

Transfusing Architecture: Ascent of a Developing World

Sandy Ferrier, Kennesaw State University

BIOCHEMISTRY

Wellness Center - Kiosk 1 Side A

A Functional Characterization of Mutations to an O-GlcNAc Hydrolase Enzyme in Vivo

Megan Hinkle, Mercer University

Wellness Center - Kiosk 1 Side B

Conjugation Of RNA-Targeted Compounds To Oligo-Arginine To Increase Cellular Delivery

Chanbin Lee, University of Rochester

Wellness Center - Kiosk 1 Side C

Elucidation of the Biochemical Pathway for the

Synthesis of Coelenterazine, a Bioluminescent Substrate

Elizabeth Robinson, Mercer University

Wellness Center - Kiosk 3 Side B

Determining the Effects of MeHg on MCF-7 Breast Cancer Cells in Danio Rerio Embryos

Lauren Cressey, Wheaton College

Wellness Center - Kiosk 3 Side C

Enzyme Activation Energy and Dynamics of Dispersin B from Staphylococcus aureus

Jarrett Wingfield, Northeastern State University

Wellness Center - Kiosk 8 Side A

Characterization of Recombinant Enzymes Involved in Blue Green Chromatic Acclimation in the Marine Cyanobacterium Synechococcus Sp. a 15-62

Suman Pokhrel, University of New Orleans

Wellness Center - Kiosk 8 Side C

The Stability Profiles and Targeting Capabilities of HSPC Peptide Modified Liposomes Designed to Target the A3 β 1 Integrin on Metastatic Breast Cancer Cells

Shelby Phelps, West Texas A&M University

Wellness Center - Kiosk 17 Side A

Improving the Activity of Phenoxazinone Synthase (PHS) Modeled in Azurin

Nicholas McCormick, University of Minnesota, Duluth

Wellness Center - Kiosk 17 Side B

MAPK Signaling Influenced by Oxygen Environment

Kersten Forsberg, Kennesaw State University

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

Wellness Center - Kiosk 21 Side A

Role of Myopalladin in Cardiac Muscle Function and Disease

Erina Kutilek, Wichita State University

Wellness Center - Kiosk 21 Side B

Towards the Identification of the Minimal Pharmacophore of KDT-11?

Julia McCartney, North Central College

Wellness Center - Kiosk 21 Side C

Identification and Biological Evaluation of New PPAR α Agonistic Chemotypes

Dat Truong, University of Oklahoma Norman Campus

Wellness Center - Kiosk 38 Side C

Emerging SAR for Several Series of Trichomonas vaginalis Adenosine/guanosine Preferring Nucleoside Ribohydrolase Inhibitors Derived from Fragment Analog Screening

vital sapojnikov, Adelphi University

Wellness Center - Kiosk 51 Side A

Screening Mutations of O-GlcNAc Hydrolase

Kalyn Dyer, Mercer University

Wellness Center - Kiosk 51 Side B

Identifying Metabolic Inhibitors to Target Aggressive Cancers with Deregulated P27kip1

Michael Hwang, University of Tulsa

Wellness Center - Kiosk 51 Side C

Determining the Binding Affinity of FAD to the SpNox Enzyme

Brittany Notice, Kennesaw State University

BIOLOGICAL ENGINEERING

Wellness Center - Kiosk 61 Side A

Effects of Low Dose and High Dose Laser Irradiation on Metastatic Cancer Cell Migration

Elivia Layton, University of Central Oklahoma

Wellness Center - Kiosk 61 Side B

Characterization and Modification of Pectin-Based Nanofibers

Marquis Henderson, North Carolina Agricultural and Technical State University

Wellness Center - Kiosk 61 Side C

Human Islet Encapsulation with a Peptide Amphiphile Based Hydrogel to Protect Against Cellular Inflammatory Responses

Dishant Shah, University of Alabama at Birmingham

BIOLOGY

Wellness Center - Kiosk 6 Side A

Comparison of Bacterial Species in Native and Invasive Missouri Tree Species

Audrey Habron, Rockhurst University

Wellness Center - Kiosk 6 Side B

Bacterial Treatments for the Improvement of Corn Yield

Davron Hanley, Doane College

Wellness Center - Kiosk 9 Side A

Comparison of Thalidomide Treated Sperm and Treated Artificial Sea Water on L. pictus and S. purpuratus Embryonic Development

Chelsea Moran, Susquehanna University

Wellness Center - Kiosk 9 Side B

Bacteriocin Assay Development

Thy Vo, University of Rochester

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

Wellness Center - Kiosk 9 Side C

*Documenting the Colonization of Mediterranean Geckos (*Hemidactylus turcicus*) near the University of Central Oklahoma*

Emily Falcon, University of Central Oklahoma

Wellness Center - Kiosk 18 Side A

Influence of Multiple Source Infections on Influenza Virulence Evolution

Kort Zarbock, University of Utah

Wellness Center - Kiosk 18 Side B

Morphology and Evolution in Hamamelis

Benjamin O'Hallaron, North Carolina State University

Wellness Center - Kiosk 18 Side C

*Reduced Height Alleles (*Rht*) Significantly Impact Bread Making Factors in Wheat*

Tavin Schneider, Montana State University Bozeman

Wellness Center - Kiosk 25 Side A

*Identification of Potential Enhancers for *LRRK2* and *C9orf72**

Dan Nguyen, University of Alabama at Birmingham

Wellness Center - Kiosk 25 Side C

Collared Lizard Responses to a Realistic Model Roadrunner: Potential for Testing Predictions of Optimal Escape Theory

Charmaine Moya, University of Central Oklahoma

Wellness Center - Kiosk 28 Side A

Bioremediation of Atrazine in Waterways of Agriculturally Heavy Areas

Hunter Kleinschmidt, Doane College

Wellness Center - Kiosk 34 Side C

Mechanisms of Immune Manipulation by Par-

*agordius Varius on the Sand Cricket, *Gryllus firmus**

Emily Harders, Creighton University

Wellness Center - Kiosk 37 Side A

The Correlation Between Neronal Morphology and Frequency Sensitivities in Songbirds

Patrick Miller, Salisbury University

Wellness Center - Kiosk 37 Side B

*Pollen Tube Development in Water-Pollinated *Stuckenia pectinata**

Emma Baker, Creighton University

Wellness Center - Kiosk 37 Side C

Production of Bacteriophage Cocktail for Treatment of Wastewater Facility Biosolids

William Bull V, Edgewood College

Wellness Center - Kiosk 40 Side B

*Effects of Varying Volumes of Recycled Stream Sediment on the Nutrient Content of *Avena sativa**

Bailey Kramer, University of Wisconsin - Stout

Wellness Center - Kiosk 40 Side C

Examining the Relationship Between Nitrification and Millipede Survival

Christina Cortes, Georgia College and State University

Wellness Center - Kiosk 42 Side A

*The Effects of Synthetic Shading on Thermal Bleaching of Aquacultured *Orbicella Faveolata* Corals*

Elizabeth Murray, Dominican University of California

Wellness Center - Kiosk 42 Side B

The Role of Chondrogenic Growth Factors in the Pathogenesis of Equine DSLD

Madeline Young, University of Georgia

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

Wellness Center - Kiosk 42 Side C

Using Fluctuating Asymmetry to Assess the Strength of Natural and Sexual Selection

Matthew Whalen, Creighton University

Wellness Center - Kiosk 49 Side B

Genetic Evolution of a Virus in Spatial Structure

Anneliese Braden, Kutztown University

Wellness Center - Kiosk 49 Side C

Effect of Glucocorticoids on Steroid Sulfatase Activity in NIH-3T3 Fibroblasts

Dylan Miller, Duquesne University

Wellness Center - Kiosk 55 Side B

Urban Waterways: Effect on Hatching Enzymes in Zebrafish

Addison Van Weelden, Trinity Christian College

Wellness Center - Kiosk 55 Side C

What Role Does Light Quality Play in the Asexual Offspring Germination of a Tropical Plant Species?

conner lay, University of Kentucky

BUSINESS/FINANCE/ACCOUNTING

Wellness Center - Kiosk 45 Side A

Preparation of Consolidation Accounting Journals for SAP ERP

Boyoung Kim, University of Central Oklahoma

Wellness Center - Kiosk 45 Side C

Sustainable Business Practices in the Twin Ports Area

Adrian Leal, University of Wisconsin - Superior

Wellness Center - Kiosk 60 Side B

Using FDIC Database for Financial Analysis of

Banks: A Student Perspective

Amr Alhuraibi, University of Central Oklahoma

Wellness Center - Kiosk 60 Side C

The Impact of Internal Controls on Debt Structure

Brandon Laughlin, University of Central Oklahoma

CELL & MOLECULAR BIOLOGY

Wellness Center - Kiosk 16 Side B

Choroid Plexus Carcinoma (CPC): Model Development and Characterization

Fanny Huang, Case Western Reserve University

Wellness Center - Kiosk 16 Side C

Effect of near Infra-red Lasering on Myofibroblast Phenotype

Christiana Obioma, University of Central Oklahoma

Wellness Center - Kiosk 22 Side A

Altered Methylation Contributes The Cancer Resistance In Blind Mole Rats

Ena Oreskovic, University of Rochester

Wellness Center - Kiosk 22 Side B

Drosophila melanogaster Nora Virus Orf1 Protein Is Localized to the Nucleus

Larissa Attema, University of Nebraska at Kearney

Wellness Center - Kiosk 22 Side C

Involvement of Fip1 in Alternative Polyadenylation in Arabidopsis thaliana

Josiah Liew, University of Kentucky

Wellness Center - Kiosk 32 Side A

Comparison of Salinity Levels for Maximum Growth of Neocloeon Tringulifer

Zeshawn Khan, NC State University

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

Wellness Center - Kiosk 32 Side B

Developing a More Robust Method to Generate Cerebral Organoids to Study Cortical Development in Autism

Uma Mahajan, Case Western Reserve University

Wellness Center - Kiosk 32 Side C

Intercellular Adhesion Molecule-2 Decreases Cell Growth, Anchorage-independent Colony Formation, and Migratory Abilities of MYCN-amplified IMR-32 Neuroblastoma Cells

Skyler Hendrix, University of Alabama at Birmingham

Wellness Center - Kiosk 34 Side A

Examining the DNA-binding Specificity of Fungal-specific Zinc Cluster Transcription Factors ZCF7, ZCF15 and ZCF29

Caroline Self, McNeese State University

Wellness Center - Kiosk 34 Side B

Mitochondrial Targeting of Protein Cargos Exogenously Delivered Via a Novel Cell-penetrating Peptide Adaptor System

Hope Didier, Kennesaw State University

CHEMISTRY

Wellness Center - Kiosk 13 Side B

Synthesis and Evaluation of N-Methylfluoxetine on Plasmodium falciparum

Hannah Johnson, Black Hills State University

Wellness Center - Kiosk 20 Side A

Determination of Electroosmotic and Electrophoretic Mobility of Dyes in Kelcogel F for a Dynamic Range of Ionic Strength Solutions

Drew Thompson, University of Nebraska at Kearney

Wellness Center - Kiosk 20 Side B

Catalyst Substituent Effects on the Vanadi-

um-Catalyzed Oxidation-Reductive Coupling of Alcohols

Matthew Swann, University of Oklahoma Norman Campus

Wellness Center - Kiosk 20 Side C

Direct, Visible Light-Sensitized Benzylic C-H Fluorination of Peptides

Rayyan Jokhai, Johns Hopkins University

Wellness Center - Kiosk 57 Side A

Investigation of Electronic and Structural Factors Affecting the Release of Fluorescent Dyes from Alginate Beads

Patricia Otero, Florida International University

Wellness Center - Kiosk 57 Side B

Optimizing the Rapid Synthesis of Highly Substituted Oxazoles

Jenna Miller, Salisbury University

Wellness Center - Kiosk 57 Side C

Surface-assisted Laser Desorption/Ionization of Small Organic Molecules Using Non-functionalized Transition Metal Oxide Nanoparticles

Julia Schwieg, University of West Florida

COMMUNICATIONS

Wellness Center - Kiosk 24 Side A

Communication in Cross-Sex Friendship: Can Men and Women Be "Just Friends?"

Kimberly Tallard, Eastern Connecticut State University

Wellness Center - Kiosk 24 Side B

Productivity of Organizations with Expatriate Employees

Cameron Gibson, Kennesaw State University

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

Wellness Center - Kiosk 24 Side C

The Pathways of Successful Entrepreneurial Women in Public Relations: ethical Challenges and Modes of Practice

Stephanie Ramos Quintanar, California State University - Long Beach

COMPUTER SCIENCE

Wellness Center - Kiosk 12 Side B

Crowd Vision

Milan Gupta, University of Michigan

Wellness Center - Kiosk 12 Side C

Improving Constituent Services In Order to Move Toward Smarter Cities

Jonathon Nosowitz, Iona College

Wellness Center - Kiosk 31 Side B

Software for Customizing a Corpus from Digitized Books for Studies in Speech Communication and Reading Comprehension

Morgan Chrystal, Iona College

Wellness Center - Kiosk 31 Side C

UAV Collision Avoidance with Stereo Vision on a Low-Power Embedded System

Andrew Freeman, Samford University

ECOLOGY & ORGANISMAL BIOLOGY

Wellness Center - Kiosk 7 Side A

Effects of Fishes on Aquatic Insects in Linked Aquatic-terrestrial Food Webs

Tyler Seidel, University of South Dakota

Wellness Center - Kiosk 7 Side B

Novel PCR Detection of Morchella in an Apple Orchard

Lucas Jones, Roanoke College

Wellness Center - Kiosk 7 Side C

The Influence of Habitat Type and Structure on Sites Used by Wintering Red-tailed Hawks, American Kestrels, and Northern Harriers in Central Pennsylvania

Rebekah Smith, Susquehanna University

Wellness Center - Kiosk 52 Side A

Burrowing and Escape Responses Among Riparian and Non-riparian Populations of Wolf Spiders

Tara Barbarich, Susquehanna University

Wellness Center - Kiosk 52 Side B

Conservation Genetics and Migration of Lyme Disease Reservoir Species Peromyscus leucopus

Keaka Farleigh, Capital University

Wellness Center - Kiosk 52 Side C

Shorebird Foraging and Ecology at Two Beaches in Northeast Florida

Melissa Rogers, Jacksonville University

EDUCATION

Wellness Center - Kiosk 2 Side A

Awareness of Mindfulness-based Techniques on Social/Emotional Wellbeing, Academic Performance, and Behavioral Control in Elementary Aged Children

Cassandra Salmons, Texas Woman's University

Wellness Center - Kiosk 2 Side B

Student Comprehension of First-Year Composition Textbooks

Matthew Tikhonovsky, Kennesaw State University

Wellness Center - Kiosk 2 Side C

Title: What Makes a Leader Effective? a Mixed Methods Study

Mikayla Nevills, University of Central Oklahoma

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

Wellness Center - Kiosk 14 Side B

Immigration Stress Among Refugees Resettled in Utah

Sayro Paw, University of Utah

Wellness Center - Kiosk 33 Side A

Effects of Life Satisfaction and Life's Meaning on Academic Goal Orientation

Jeevan Tamrakar, Musashino University

Wellness Center - Kiosk 33 Side B

Evaluation of Home School Physical Education Participant Perceived Versus Actual Level of Physical Activity

Danielle Tilley, University of Nebraska at Kearney

Wellness Center - Kiosk 33 Side C

Technology Integration in the Classroom

Ashley Grubb, Western Carolina University

ELECTRICAL ENGINEERING

Wellness Center - Kiosk 5 Side C

Performance Analysis of Maximum Power Point Tracking Algorithms Implemented Using Field Programmable Gate Arrays

Xueqi Ji, Kennesaw State University

ENGINEERING/ENGINEERING TECHNOLOGY

Wellness Center - Kiosk 5 Side A

Creating a GPS System for Application on a High-Altitude Balloon

Zachary Hill, Austin PEAY State University

Wellness Center - Kiosk 19 Side C

Heat Transfer Simulation in Pebble Bed Reactor for Carbon Dioxide and Helium

Daniel Bain, Kennesaw State University

Wellness Center - Kiosk 27 Side A

Mesoscope: Miniaturized Microscope for Wide Field Cortical Activity Monitoring in Freely Behaving Mice

Judith Dominguez, University of Minnesota, Twin Cities

Wellness Center - Kiosk 27 Side B

The Kinematics of Motion Detection in the Human Body

Cody Bruton, University of Central Oklahoma

Wellness Center - Kiosk 27 Side C

Quantification of Grain Growth Accompanying Phase Transformations in Perovskite Thin Films for Solar Cells

Quinesha Williams, Tougaloo College

Wellness Center - Kiosk 39 Side A

Using the Fourth-Order Runge-Kutta Method to Determine the Dynamic Response of a Free Vibrating Laminated Composite Shallow Shell Panel

Melanie Ronoh, Midwestern State University

Wellness Center - Kiosk 39 Side C

The Low-Cost Solution for Converting Waste Plastic into a Commodity

Samuel Hawthorne, University of Kentucky

Wellness Center - Kiosk 44 Side A

Biomechanical Characterization of Engineered Dermal-Equivalent Tissue

Erin Drewke, University of Central Oklahoma

Wellness Center - Kiosk 44 Side B

Designing and Testing Shipping Containers for Mu2e Tracker Panels

HUAN TRAN, San Jacinto College

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

Wellness Center - Kiosk 54 Side C

Studying Motivations for Adopting Solar Photovoltaic Technology in Chile: An Analytical Hierarchical Process Approach

Bradyn Thompson, Iowa State University

HEALTH SCIENCES & PUBLIC HEALTH

Wellness Center - Kiosk 23 Side A

Health Behaviors of College Students

Sharonjeet Kaur, Kennesaw State University

Wellness Center - Kiosk 23 Side B

Historical Trauma in Native American Communities: Implications, Interventions, and Clinical Considerations

Screen Waletski-Nazzal, University of Minnesota, Twin Cities

Wellness Center - Kiosk 23 Side C

Pain Occurrence and Management Among College-age Adults in the United States and the United Kingdom: A Cross-sectional Assessment

Brianne Howerton, Maryville University of Saint Louis

Wellness Center - Kiosk 30 Side A

Stenosis and Pseudostenosis of the Upper Extremity Arteries in Large Vessel Vasculitis

Kathleen Marinelli, Creighton University

Wellness Center - Kiosk 30 Side B

Efficacy of Visual Inspection with Acetic Acid (VIA) Compared to Cytology-Based Cervical Cancer Screening for Detecting the Precancerous Changes in Women at the Age Between 18 and 65

Ziyue Zhang, University of Minnesota, Twin Cities

Wellness Center - Kiosk 41 Side A

Effect of Post Traumatic Stress of Individuals with Hypertension

Sabina Emerenini, Wayne State University

Wellness Center - Kiosk 41 Side B

Factors Associated with HIV Risky Behaviors: Results from a Nation-wide Survey

Courtney Cook, University of West Florida

Wellness Center - Kiosk 41 Side C

Examination of the Measurement Congruence Between Interactive Health Technology™(IHT) and the ActiGraph GT3X Accelerometers: A Comparative Study in Physical Activity Levels of College Runners

Taylor Stewart, University of Nebraska at Kearney

Wellness Center - Kiosk 46 Side A

Early Connections to the Modern Opioid Crisis

Brandon Steele, University of Kentucky

Wellness Center - Kiosk 46 Side B

Experience Sampling After a Concussion: Stigma, Negative Emotions, and Loss of Team Support

Garrett Lindley, Bethel College

Wellness Center - Kiosk 46 Side C

Messengers for Health: Baa Nnilah Program

Mikayla Pitts, Montana State University Bozeman

Wellness Center - Kiosk 53 Side A

The Correlation Between Self-Identified Human Sexuality and Pheromone Attraction

Emily Albrecht, University of Science and Arts of Oklahoma

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

Wellness Center - Kiosk 53 Side B

The Power of Parenting: Is There a Relationship Between the Occurrence of Orthorexia Nervosa and Parenting Style?

Laura Roberts, Miami University

Wellness Center - Kiosk 53 Side C

Understanding the Neonatal Death Rate Between 1990 and 2015: Analysis of Data from the Institute for Health Metrics and Evaluation

Randall Schmidt, Bethel College

Wellness Center - Kiosk 56 Side A

How to Teacher-As-Midwife Analogy Applies to Health Promotion

Renee Atkinson, University of Central Oklahoma

Wellness Center - Kiosk 56 Side B

Health Care Barriers and Approaches to Dealing with Illnesses Among Mexican Immigrants in Merced County, CA

Maria Rivas Reyes, University of California - Merced

HISTORY

Wellness Center - Kiosk 36 Side A

The Oresteia, Early American History, and Narratives of Democracy

Elizabeth Mathews, George Mason University

Wellness Center - Kiosk 36 Side B

Urban Garden: Milwaukee

Kevin English, University of Wisconsin - Whitewater

Wellness Center - Kiosk 58 Side A

Better Better Homes Und Garten: German Women, Agrarian Nostalgia, and Visions of Empire in German East Africa

Olivia Streett, Roanoke College

Wellness Center - Kiosk 58 Side B

How Should We Teach History?

Elle Alvarez, University of Wisconsin - Stout

Wellness Center - Kiosk 58 Side C

British Migrant Railway Workers in the British Colonial Railway System 1850-1925

Mary Basso, University of Michigan

INTERDISCIPLINARY STUDIES

Wellness Center - Kiosk 4 Side A

A Silent Hate Crime: The Defacing on an LGBTQ Chicano Mural

Melanie Del Real, Lone Star College System The Honors College

Wellness Center - Kiosk 4 Side C

A Guilt Ridden Society: An Analysis of the Displacement of Guilt in Rape Cases

Natalia Arizmendi, Lone Star College System The Honors College

INTERNATIONAL STUDIES

Wellness Center - Kiosk 15 Side A

Rethinking Psychological Illnesses: A Comprehensive Literature Review of China's Mental Well-Being

Vidhya Balasubramanian, University of North Carolina, Charlotte

Wellness Center - Kiosk 15 Side B

Acculturation Among a Sample of Foreign-Born Students Studying in a Tennessee University

Sarah Pettit, Tennessee Technological University

MATHEMATICS

Wellness Center - Kiosk 50 Side A

A Numerical Approximation for Eigenvalues of Hyperbolic Polygons

Thinh Doan, Texas Christian University

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

Wellness Center - Kiosk 50 Side B

Counting P-power Extensions of the P-adic Numbers

Janaé Williams, Elon University

NUTRITION

Wellness Center - Kiosk 10 Side A

Effect of Ultra Violet Light Blocking Film Technology on the Retention of Vitamin C and Beta-carotene in Fresh Spinach

Autumn Rudlong, Iowa State University

Wellness Center - Kiosk 10 Side B

Formulation, Nutritional and Sensory Analysis of Lentil Fortified Kefir

Maria Marcos, University of Central Oklahoma

Wellness Center - Kiosk 10 Side C

The Effects of a Ketogenic or a Whey Protein Supplement on Metabolism, Appetite and Energy Intake

Isabel Smith, Elon University

PHYSICS

Wellness Center - Kiosk 54 Side A

Simulating Protostellar Disk Formation Using C++

Austin Bane, Roanoke College

Wellness Center - Kiosk 54 Side B

X-ray Luminosity Upper Limits for Undetected Compact Stellar Objects in Supernova Remnants

Ryne Dingler, University of Texas at Arlington

POLITICAL SCIENCE

Wellness Center - Kiosk 11 Side B

Effective United States Airport Funding Streams

Zachary Shuman, Florida State University

Wellness Center - Kiosk 11 Side C

Mass Incarceration in the United States

Madison Noda, Georgia College and State University

PSYCHOLOGY

Wellness Center - Kiosk 26 Side A

Attachment Styles and Their Influence Towards Condom-taking Behavior

Anna Meyer, University of Central Oklahoma

Wellness Center - Kiosk 26 Side B

Criterion Referenced Validity of ICD-11 Personality Impairment Ratings: A Meta-Analytic Review

Stephanie Waslin, Adelphi University

Wellness Center - Kiosk 26 Side C

Does the Power Pose Decrease Public Speaking Anxiety

Kaitlyn Harkey, University of Central Oklahoma

Wellness Center - Kiosk 35 Side A

Evaluating Public Speaking Performance: A Quest to Validating Public Speaking Tasks

Quincey Krein, Minnesota State University, Mankato

Wellness Center - Kiosk 35 Side B

Frequency of Emerging Adult Marijuana Use as a Result of Coping with Stress and Mental Health

Madeline Cordle, University of Wisconsin - La Crosse

Wellness Center - Kiosk 35 Side C

Marital Conflict and Maternal Depressive Symptoms: Links to Mother-child Attachment Security in Middle Childhood

Joanna Troyanos, Adelphi University

STUDENT POSTER SESSION 2 - THU 1:00PM-2:00PM

Wellness Center - Kiosk 47 Side A

The Behavioral Immune System: Homelessness as a Disease Marker

Anya O'Connor, Hamline University

Wellness Center - Kiosk 47 Side B

The Impact of Advertisement Type on Body Satisfaction and Mood

Alisha Genetin, Wittenberg University

Wellness Center - Kiosk 47 Side C

Undergraduate Employment: How Does Working Effect GPA and Attendance?

Natalia Kunze, University of Nebraska at Omaha

Wellness Center - Kiosk 48 Side B

Object Permanence in the Pigeon

Olivia Raley, University of Kentucky

Wellness Center - Kiosk 48 Side C

Preference of Social Communication: Comparisons of Introverts and Extroverts

Melanie Gillespie, Georgia College and State University

Wellness Center - Kiosk 59 Side A

Elders' Entertainment Preferences: Discovery Through an Intergenerational Approach with a Film Festival

Melissa Casey, Montana Tech of The University of Montana

Wellness Center - Kiosk 59 Side B

Exploring the Zone of Uncertainty Between Friendship and Romantic Relationships in Undergraduate Students

Jarresa Kiyoko Harris, Chaminade University of Honolulu

THEATRE/DRAMA

Wellness Center - Kiosk 29 Side A

Spring Awakening Lighting Design

Charlotte Adams, Jacksonville University

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

ARCHITECTURE & INTERIOR DESIGN

Wellness Center - Kiosk 44 Side A

Measuring Up: Sustainability Assessment of Campus Buildings at the University of Kentucky

Megan Haley, University of Kentucky

Wellness Center - Kiosk 44 Side B

Next Healthcare Facility

Amanda VanBuren, University of Nebraska, Lincoln

ART & SOCIETY

Wellness Center - Kiosk 30 Side A

Evaluating Student Perceptions of Transformative Graffiti Art Experiences

Anna Wiley, University of Central Oklahoma

Wellness Center - Kiosk 30 Side C

Representation of National Identity in Art: A Comparative Study of the Sculptures of Khien Yimsiri and H.C. Westermann

Warapat Krasaetanont, University of Central Oklahoma

BIOLOGICAL ENGINEERING

Wellness Center - Kiosk 5 Side A

Various Wetland Plant Species Filtrating Nutrients

Alexa Davis, University of Nebraska, Lincoln

Wellness Center - Kiosk 5 Side B

Measuring the Accuracy of the National Instruments MyRIO Accelerometer in Microgravity

Rohan Deshpande, University of Louisville

Wellness Center - Kiosk 5 Side C

Replicating Clinical Retrieval Femoral Head Scratching Using a Hip Simulator

Rebecca Shaheen, University of Toledo

BIOLOGY

Wellness Center - Kiosk 11 Side A

Analysis of Premature Fossilization in Marine Cetaceans from the Deepwater Horizon Oil Spill

Skye Wardell, University of Central Oklahoma

Wellness Center - Kiosk 11 Side B

Cancer Resistance in Blind Mole Rat Mediated by Over Proliferation Induced DNA Damage Response

Jina Lee, University of Rochester

Wellness Center - Kiosk 11 Side C

DNA Barcoding of Crustacea from Artificial Reefs in the Gulf of Mexico

Cara Womacks, University of West Florida

Wellness Center - Kiosk 15 Side A

*Epigenetic Effects of Microplastics Consumption on *Elysia crispata**

Tristyn Garza, University of West Florida

Wellness Center - Kiosk 15 Side C

*Larval Amphibian Disease Dynamics: Understanding Relationships Among *Ribeiroia* Trematode Infection, Chytrid Fungus (*Batrachochytrium dendrobatidis*), and Stress*

Andriana Albini, St Mary's College of California

Wellness Center - Kiosk 17 Side A

CRISPR/Cas9 Gene Knockout in Arabidopsis Plants

Katie Hillmann, Hamline University

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

Wellness Center - Kiosk 17 Side B

Altered Feeding Behavior and Viral Detection in Honey Bees Exposed to Organosilicone

Matthew Thompson, Utah State University

Wellness Center - Kiosk 17 Side C

*Carotenoids Protect Against Oxidative Damage in the Marine Copepod *Tigriopus californicus**

Philip Wang, Auburn University

Wellness Center - Kiosk 20 Side A

Transformation of Alternative Electron Acceptors by Microorganisms from Narrow Gauge Thermal Feature in Yellowstone National Park

Sarina Mitchell, Elmhurst College

Wellness Center - Kiosk 20 Side B

Effects of FXIII Val34Leu Polymorphism on Fibrin Diameter and Network Density

Michael Flynn, University of North Carolina, Charlotte

Wellness Center - Kiosk 20 Side C

*Vitellogenin Expression in Honey Bees (*Apis mellifera*): How Viral Infections Influence Honey Bee Physiology*

Ryan Sabotin, Creighton University

Wellness Center - Kiosk 21 Side A

*Effectiveness of Eliciting EGFR Loss-of-function Phenotypes Upon Expression of RNA Interference in *Drosophila**

Brandy Shrawder, Susquehanna University

Wellness Center - Kiosk 21 Side B

Expression of the INK4A/ARF Tumor Suppressor Transcription Factor MSK1 in Canine Breast Cancer

Jonathan Dismukes, Auburn University

Wellness Center - Kiosk 21 Side C

Investigating Correlations Between College Student Involvement in Extreme Sports, Excessive Alcohol Consumption and the Harm Avoidance Personality Trait

Erica Giron, Georgia Gwinnett College

Wellness Center - Kiosk 25 Side A

**S. Cerevisiae* Genetic Suppressor Screen on a Temperature Sensitive Sec6 Mutant*

Billie Mills, Georgia College and State University

Wellness Center - Kiosk 25 Side B

Specific Lipid Requirements and Localized Lipid Composition Changes Associated with Flock House Virus RNA Replication Complexes

Kathleen Muloma, Hope College

Wellness Center - Kiosk 25 Side C

Variations in Bone Quality with Reproductive Performance in House Mice

Kayla Frey, Auburn University

Wellness Center - Kiosk 41 Side A

*The Diversity and Conservation of Mountain-snails (*Oreobelix*) from the Lower Salmon River*

Anna Oetting, University of Idaho

Wellness Center - Kiosk 41 Side B

*Using Reporter Genes to Monitor the Onset of Circadian Rhythm in *Xenopus laevis* Embryos*

Lindsey Kuhagen, University of Wisconsin - White-water

Wellness Center - Kiosk 49 Side A

Evidence of Immune Priming in Crickets

Lindsey Mack, Creighton University

Wellness Center - Kiosk 49 Side B

Hereditary Equine Regional Dermal Asthenia (HERDA) and Postnatal Reproductive Outcomes in Horses

Therese Anderson, University of Wisconsin - River Falls

BUSINESS/FINANCE/ACCOUNTING

Wellness Center - Kiosk 6 Side A

The Role of Forensic Accounting in U.S. Counterterrorism Efforts

Madison Gaither, University of Tennessee at Chattanooga

Wellness Center - Kiosk 6 Side B

Unintended Consequences of Money Laundering Laws

Nafees Rashid, University of Central Oklahoma

Wellness Center - Kiosk 6 Side C

You Want to Retain Them? You Must Engage Them: Student Engagement as the Key to Student Retention

nautica greene, University of Central Oklahoma

CELL & MOLECULAR BIOLOGY

Wellness Center - Kiosk 2 Side A

Q-PCR Analysis of Viral RNA from Tomato Mosaic Virus and Its Epidemiology

Mohammed Ali, Indiana University of Pennsylvania

Wellness Center - Kiosk 2 Side B

Acetyl-CoA Synthetase 2 Is a Critical Enzyme for Cancer Cell Survival During Hypoxic and Nutrient Stress

Jesse Velasco, Southwestern Oklahoma State University

Wellness Center - Kiosk 2 Side C

Gli2 Overexpression Increases Clonogenicity

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

in TFI-AML Cell Lines

Samantha Kegel, Johns Hopkins University

Wellness Center - Kiosk 27 Side A

Determining the Effects of E-Cigarette Vapor on Oral Epithelial Cells in a Cultured Cell Model

Marygrace Duggar, University of Kentucky

Wellness Center - Kiosk 27 Side B

*Possible Cis and Trans-acting Roles of a Small Protein in Regulation of Spermidine Export in *Escherichia coli**

Kyungyoon Yoo, Vassar College

Wellness Center - Kiosk 27 Side C

Role of Ras Oncogene and Selective Mutants on Differentiation of 3T3-L1 Preadipocytes

Camila Sarcone, Florida International University

Wellness Center - Kiosk 28 Side A

*Nutritional Effects on Early Development of *Drosophila melanogaster**

Vanessa Blanco, Florida International University

Wellness Center - Kiosk 28 Side B

The Effects of Caffeine on Cell Proliferation and Differentiation

Shelby Garcia, University of Central Oklahoma

Wellness Center - Kiosk 28 Side C

Prostaglandin F-2a (fp) Receptor Regulation by Tnf- α in the Porcine Corpus Luteum

Anna Beam, NC State University

Wellness Center - Kiosk 40 Side B

Investigating the Mcm10-Polymerase Epsilon Interaction Using the CRISPR-Cas9 System

Batuel Okda, Northeastern State University

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

Wellness Center - Kiosk 40 Side C

Rapid Generation of Multiplexed and Conditional CRISPR Transgenic Mouse Models

Samantha Lee, University of Minnesota, Twin Cities

Wellness Center - Kiosk 45 Side A

A Novel Targeted Approach to Treat Cervical Cancer Via Cell-penetrating Peptide-mediated Delivery

Juana Bejarano, Kennesaw State University

CHEMISTRY

Wellness Center - Kiosk 3 Side B

Atmospheric Measurements Using Unmanned Aerial System

Kyle Geib, University of Wisconsin - Eau Claire

Wellness Center - Kiosk 3 Side C

A Computational Study of Ammonia-SiX3R Complexes

Anna Ley, University of Wisconsin - Eau Claire

Wellness Center - Kiosk 9 Side A

Copper-catalyzed Silylations of C—C Pi-bonds

Stephan Harruff, Indiana State University

Wellness Center - Kiosk 9 Side B

Effects of Non-Steroidal Anti-Inflammatory Drugs on Water Permeability of Lipid Bilayers

Megan Wood, Iona College

Wellness Center - Kiosk 9 Side C

Impact Of Finishing Diets On N-3 Pufa Content In Farmed Rainbow Trout

Sarmishtha Prathivadhibhayankaram, University of Rochester

Wellness Center - Kiosk 22 Side A

Developing a Brine Shrimp Lethality Assay for Marine Invertebrate Extracts

Leah Donathan, University of Central Oklahoma

Wellness Center - Kiosk 22 Side B

Estrone Reaction During Simulated Wastewater Treatment

Trevor Wendt, University of Wisconsin - Whitewater

Wellness Center - Kiosk 34 Side A

Differential Alkylation of L-Tyrosine by Leptospaeria Maculans PT, SirD

Rachel Tran, University of Oklahoma Norman Campus

Wellness Center - Kiosk 34 Side B

Formation of Nucleobases from UV Photo-Irradiation of Purine in Astrophysical Ices

Brittiana McDowell, Langston University

Wellness Center - Kiosk 34 Side C

Phenylalanine Derivatives Containing Polar Substituents as LAT1 Substrates for Use in Drug Delivery

Laura Stoner, University of Nebraska at Kearney

Wellness Center - Kiosk 55 Side C

Determination of Multivariate Sugar Mixtures Using Infrared Spectroscopy and Chemometrics

Morgan Cheek, Western Carolina University

Wellness Center - Kiosk 60 Side A

Isolation of Novel Compounds from the Octocorallia Carijoa (Telesto) riisei

Dakota Becker-Greene, University of South Florida

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

ELECTRICAL ENGINEERING

Wellness Center - Kiosk 12 Side A

A Comparative Analysis of PID and Fuzzy Control for Leader-Follower Behavior in Robots

Brandon Wilson, United States Military Academy at West Point

Wellness Center - Kiosk 12 Side B

Dielectric Resonator Antennas

Val Love, Eastern Washington University

Wellness Center - Kiosk 12 Side C

Image Processing Techniques Applied to the Fusion of Hyperspectral Images and LiDAR

Graham Roper, Kennesaw State University

ENGINEERING/ENGINEERING TECHNOLOGY

Wellness Center - Kiosk 13 Side A

Determination of Suitable Vehicle Tire Pressure Based on Granular Surface Properties, and Vehicle Loading to Empower an Automated Tire Inflation-deflation Mechanism

Bahie Ezzat, University of Rochester

Wellness Center - Kiosk 13 Side B

Experimental Study of the Nonlinear Dynamics in a Duffing Oscillatory Circuit

Abigail Reyes, Midwestern State University

Wellness Center - Kiosk 13 Side C

Numerical Model of Oscillating Water Column Wave Energy Converter

Courtney Otani, University of Portland

Wellness Center - Kiosk 31 Side A

Anaerobic Digestion of Poultry Litter and Food Waste for Biogas Production

Matthew Preisser, Auburn University

Wellness Center - Kiosk 60 Side C

Restoring MRSE's Susceptibility to β -lactam Antibiotics Using BPEI

Erika Moen, University of Oklahoma Norman Campus

DIVERSITY STUDIES

Wellness Center - Kiosk 1 Side B

Redefining Accessibility in Madison

Nicole Satterlund, Edgewood College

ECOLOGY & ORGANISMAL BIOLOGY

Wellness Center - Kiosk 46 Side A

Comparative Coral Health Analysis of Select Bonaire Dive Sites

Laurel Jobe, University of Tennessee at Chattanooga

Wellness Center - Kiosk 46 Side B

Local Adaptation and Populations' Growth Responses to Climate in Pinus resinosa

Lauren Onofrio, Penn State University

Wellness Center - Kiosk 46 Side C

The Effect of Cedar Oil Derivatives on Mobility and Courtship Behavior of the Wolf Spider Tigrosa belluo

Elise Wetzel, Susquehanna University

ECONOMICS

Wellness Center - Kiosk 7 Side B

Examining the Relationship Between Economic Freedom and Obesity Rate

James Pettigrew, University of Central Oklahoma

Wellness Center - Kiosk 7 Side C

The Effect of Adult Incarceration Rates on the Academic Achievement of Children: A Case Study of Washington State

Sydney Cathcart, Eastern Washington University

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

Wellness Center - Kiosk 31 Side B

Design of an In-vitro Model for Testing Distribution and Stability of Single Dental Implant System

Danny Le, University of Central Oklahoma

Wellness Center - Kiosk 31 Side C

Integration of UART Camera with Michigan Real Time Water Systems Lab Sensor Nodes

Isabelle Gallagher, University of Michigan

Wellness Center - Kiosk 57 Side A

Computational Analysis of Transtibial Prosthetic Sockets Fabricated with 3D Printing

Emily Hurst, West Texas A&M University

Wellness Center - Kiosk 57 Side B

Experimental Analysis of Visual Monitoring Range and Effectiveness of a Quadrotor Platform

Amro Shanshal, Northern Illinois University

Wellness Center - Kiosk 57 Side C

New Coarse-Grained Models of Aqueous Solutions of Ionic Liquids for Accurate Properties Prediction at Mesoscale

Justin Pol, University of Kentucky

Wellness Center - Kiosk 59 Side A

Geiger Counter Development and Verification of Radiation Principles Using the Counter

Scott Michael, Kennesaw State University

Wellness Center - Kiosk 59 Side B

Investigation of Microstructure Sensitivity with Respect to Processing Temperatures for A2 Steel

Martin Mekhail, James Madison University

ENGLISH

Wellness Center - Kiosk 24 Side A

An Exploration of Inspiration and Adaptations in the Short Story Form

Ashley Shaffer, University of Nebraska at Kearney

Wellness Center - Kiosk 24 Side B

An Interdisciplinary Approach to Accessible Art

Alexander Babbitt, Michigan State University

ENVIRONMENTAL STUDIES & SCIENCES

Wellness Center - Kiosk 14 Side A

Assessing Sampling Bias of Soil Emergence Traps for Carrion Community Collection

Madeline Evans, George Mason University

Wellness Center - Kiosk 14 Side B

Determining Carcass Age with Nonparametric Cluster Analyses: an Experimental Approach

Peter Nieves, George Mason University

Wellness Center - Kiosk 14 Side C

Hydrologic and Sediment Yield Modeling of Native Prairie and Encroached Eastern Redcedar Watersheds

Rainee Deroin, Oklahoma State University

FILM/PHOTOGRAPHY STUDIES

Wellness Center - Kiosk 19 Side A

Mel Brooks' Monster Movie Parodies

Bradley Britvich, California University of Pennsylvania

Wellness Center - Kiosk 19 Side B

Preserving a University's Film and Video Collections: Best Practices for DIY 16mm Print and Videotape Archives

Hugo Ljungbaeck, University of Wisconsin - Milwaukee

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

HEALTH SCIENCES & PUBLIC HEALTH

Wellness Center - Kiosk 37 Side A

Alcohol Use During Pregnancy: Who Were the Mothers That Continued Drinking?

K'Dyn Newbrough, Black Hills State University

Wellness Center - Kiosk 37 Side B

Early and Later Childhood Traditional Smoking Impact on E-Cigarette Use

Rachel Booth, Mississippi State University

Wellness Center - Kiosk 37 Side C

Patient Adherence to Provider Recommendations and Medication Among Uninsured Free Clinic Patients

Jazmine Hurley, University of Utah

Wellness Center - Kiosk 42 Side A

Stop.Limit.Drink

Jhazmyne Best, Indiana State University

Wellness Center - Kiosk 42 Side B

The Association of Multisite Pain and Health-Related Quality of Life in Older Adults with Chronic Back Pain Including Risk for Falls

Melissa Krook, University of Washington

Wellness Center - Kiosk 42 Side C

The Use of Non-drug Therapies to Treat Chronic Pain Among Cancer Patients

Ashley Franklin, Eastern Connecticut State University

Wellness Center - Kiosk 54 Side A

Analysis of How B Cells Contribute to the Effect of Photobiomodulation Technique in Regards to Multiple Sclerosis

Uchechi Nwosu, University of Wisconsin - Milwaukee

Wellness Center - Kiosk 54 Side B

Bringing a Teen Maze to Macon-Bibb County

Veronica Enchautegui, Mercer University

Wellness Center - Kiosk 58 Side A

How Greek Affiliation Plays a Role in Emotional Intelligence

Sarah Wyand, Miami University

Wellness Center - Kiosk 58 Side B

Prevalence of Food Insecurity Among Undergraduate Students in Western Oklahoma

Hannah Madison, Southwestern Oklahoma State University

INTERDISCIPLINARY STUDIES

Wellness Center - Kiosk 52 Side A

An Ethnography of Watauga Residential College and Its Relationship to Residential Learning Communities Through the Lens of Residential Life and Student Leadership

Holland McLean, Appalachian State University

Wellness Center - Kiosk 52 Side B

The Language of Spirituality: A Literary and Historical Analysis of Japanese Shamanism

Danae Reaves-Bey Browne, Bridgewater State University

KINESIOLOGY & EXERCISE SCIENCE

Wellness Center - Kiosk 23 Side A

Attenuation of Excessive Weight Gain 1-Year Post Pediatric Obesity Treatment Program Initiation

Holly Bower, University of Nebraska at Kearney

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

Wellness Center - Kiosk 23 Side B

Effects of Concentric Versus Eccentric Squat Training on Balance Performance in Novice Weightlifters

Sophia Skyberg, Gustavus Adolphus College

Wellness Center - Kiosk 23 Side C

Reaction Time Difference Between Genders in Middle School Students

Jozelyn Rascon, University of Texas at El Paso

Wellness Center - Kiosk 36 Side A

Sitting or Standing: Which Is Best for Your Balance?

Clark Anderson, University of Central Oklahoma

Wellness Center - Kiosk 36 Side B

The Effect of Rock Climbing Hold Types on Muscle Force Production

Zach Sutton, University of Nebraska at Kearney

LINGUISTICS

Wellness Center - Kiosk 4 Side A

“Communication Patterns Between Deaf and Hearing Family Members”

Andrea Dominguez, California State University - Long Beach

Wellness Center - Kiosk 4 Side B

“Ur So Hawt:” The Presentation of Gender in Online Streaming

Aston Patrick, University of Memphis

Wellness Center - Kiosk 4 Side C

Effects of Marked Intonation on a Restricted Scope Configuration

Luke Tuttle, University of Utah

MARKETING

Wellness Center - Kiosk 50 Side A

Be a Part

Olivia Husby, Salisbury University

Wellness Center - Kiosk 50 Side B

Executive Search: How Contestable Markets Affect Branding

Shelbey Trawick, Southwestern Oklahoma State University

Wellness Center - Kiosk 50 Side C

Netflix-A Journey to Success in India

Bailey Thompson, Kennesaw State University

MATHEMATICS

Wellness Center - Kiosk 29 Side A

Modeling Giraffe Protein Absorption and Overall Health

Kristina Benton, University of Central Oklahoma

Wellness Center - Kiosk 32 Side A

Welding with Fourier

Taylor Carnahan, San Jacinto College

Wellness Center - Kiosk 32 Side B

Modeling Chemotaxis in Marine Bacteria

Kyle Grosser, Florida State University

Wellness Center - Kiosk 32 Side C

Studying Natural Calamities Through Mathematical Models

Ian Russman, Hamline University

MICROBIOLOGY & IMMUNOLOGY

Wellness Center - Kiosk 33 Side B

*Full Genome Annotation of Novel Phages Infecting *Corynebacterium xerosis**

Ote Staton, University of Alabama at Birmingham

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

Wellness Center - Kiosk 33 Side C

*The Golden Bacterium's Secret: Characterization of a Unique Putative Mouthwash Resistance Protein Found in *Delftia* Species*

Noah Riley, North Carolina State University

NURSING

Wellness Center - Kiosk 56 Side A

Becoming Healing Hands: Nursing Education in Touch-driven Care

James Hrcir, Oklahoma City University

Wellness Center - Kiosk 56 Side B

Evaluation of Current Clinical Practicum Experiences to Enhance Future Clinical Nurse Leader Practicum Education

Sydney Rohrbaugh, University of Pittsburgh School of Nursing

Wellness Center - Kiosk 56 Side C

Exploring the Relationship Between Family Communication and Severity of Highly Heritable Cardiac Diseases

John Michael Purdon, University of Pittsburgh School of Nursing

NUTRITION

Wellness Center - Kiosk 8 Side A

Disruption of Pyruvate Kinase M2 Expression in the Pancreas Affects β -cell Function

Summer Smith, University of Tennessee at Knoxville

Wellness Center - Kiosk 8 Side B

Ferritin Associations with Immune Cell Profile and Inflammatory Markers in Cross-Country Athletes

Bess Bauer, Weber State University

Wellness Center - Kiosk 8 Side C

Impact of the Total Western Diet and Supple-

mentation on TNF, IBA1, CD68, and PAX5, Biomarkers of Inflammation

Tess Armbrust, Utah State University

PHYSICS

Wellness Center - Kiosk 18 Side A

Behavior of a Ferrofluid Droplet in a Capillary Tube

Isaac Robbins, Juniata College

Wellness Center - Kiosk 18 Side B

Hybrid Magnetic Shielding

Kevin Royal, University of Kentucky

Wellness Center - Kiosk 18 Side C

Iron Line Reverberation Around Black Hole Accretion in Luminous Galaxies

Kaitlyn Porter, James Madison University

Wellness Center - Kiosk 26 Side A

Data Compression for the Nab Experiment

Mitchell Dennis, University of Kentucky

Wellness Center - Kiosk 26 Side B

Evidence of Landau Damping in a Fluid Coupled with an Anharmonic Lattice

Eric Padilla, Embry - Riddle Aeronautical University

Wellness Center - Kiosk 26 Side C

Preparation and Analysis of Nanofibrous Silica Sheets from Dynamically Electrospun Precursors

Vincent Tchernov, University of Alabama at Birmingham

Wellness Center - Kiosk 47 Side C

Spin Transport of Polarized Helium-3 Atoms

Rhett Croley, University of Kentucky

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

POETRY & CREATIVE WRITING

Wellness Center - Kiosk 19 Side C

Letters From My Subconscious: Voicing the Unheard

Atziri Peña, Mount Saint Mary's University

POLITICAL SCIENCE

Wellness Center - Kiosk 43 Side A

Improving the Election Process, Voter Access, and Informed Voter Engagement: What Do Oklahomans Think?

Gabriella Oliver, University of Central Oklahoma

Wellness Center - Kiosk 43 Side B

Non-fiction, Narratives and Negotiation: A Study and Creative Exercise in Post-conflict Narratives in Northern Ireland

Sydney Kloster, University of Wisconsin - Superior

Wellness Center - Kiosk 43 Side C

Rhetoric vs. Reality: How Refugees Are Reshaping Sweden

Emma Labovitz, Appalachian State University

PSYCHOLOGY

Wellness Center - Kiosk 16 Side A

Brain Network Interactions in Youth Predicted by the Familial Environment

Sonu Patel, Wayne State University

Wellness Center - Kiosk 16 Side B

Drinking in College: Peer, Parent, and Personality Influences

Taylor Martinek, Hamline University

Wellness Center - Kiosk 16 Side C

Examining the Association Between Experiences of Childhood Trauma and Pregnancy-specific Anxiety

Shiloh Edwardh, University of Minnesota, Twin Cities

Wellness Center - Kiosk 38 Side A

A Correlation Study on Hours of Sleep, Depressive Symptoms and Academic Performance

Janae Cora, Adelphi University

Wellness Center - Kiosk 39 Side A

Attitudes Towards LGBTQ+ in Politics

Rebecca Young, University of Central Oklahoma

Wellness Center - Kiosk 39 Side B

Demographics Moderate Shame and Guilt Proneness After a Potentially Traumatic Event

Rebekah Phillips, University of Central Oklahoma

Wellness Center - Kiosk 39 Side C

Enduring Elephants and Dynamic Donkeys: The Effect of Conservatism on Ideal-Discrepancy Resolution

Dawn Becker-Miller, Cameron University

Wellness Center - Kiosk 48 Side A

The Effect of Sexualized Girl Stereotypes on Attitudes About Sexual Harassment

Astha Patel, University of Kentucky

Wellness Center - Kiosk 48 Side B

The Effects of a Creative Arts Program on Behaviors of Psychiatric Adolescent Inpatients: Year 1

Alex Giles, Black Hills State University

Wellness Center - Kiosk 53 Side A

School Start Times in Elementary Schools: Associations with Academic Achievement

Courtney Michael, University of Kentucky

Wellness Center - Kiosk 53 Side C

Running Wheel Enrichment, the Effect It Has on Anxiety, Depressive-like Behaviors, and

STUDENT POSTER SESSION 3 - THU 2:20PM-3:20PM

Wellbeing in Laboratory Mice

Mario Martinez, George Mason University

Wellness Center - Kiosk 61 Side B

The Effect of Diurnal Variability and Modality on False Memory Formation

Deanna Luttenberger, University of Wisconsin - Oshkosh

Wellness Center - Kiosk 61 Side C

Examining the Connection Between Mental Illness Versus Mental Health and Gender on Being Troubled by Behavior

Jennifer Meysing, Bethel College

SOCIOLOGY

Wellness Center - Kiosk 10 Side C

Racial Disparities in Wisconsin: How Freedom Schools Can Close the Gap

Sadie Halfrich, University of Wisconsin - La Crosse

Wellness Center - Kiosk 35 Side A

Book-smarts Behind Bars: A Qualitative Study of Correctional Education

Pearl Gronquist, University of Wisconsin - Stout

Wellness Center - Kiosk 35 Side B

Effectiveness of the UW-Stout Tobacco Ban

Jackson Kiser, University of Wisconsin - Stout

Wellness Center - Kiosk 35 Side C

Stigma, Identity, and Refugees: A Symbolic Interactionist Analysis

Catherine Chestnutt, Roanoke College

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

ANTHROPOLOGY & ARCHEOLOGY

Wellness Center - Kiosk 20 Side B

Nothing Is Certain but Fish and Taxes: Discourse and Perceptions of Water Quality in Chetek, Wisconsin

Amber Georgakopoulos, University of Wisconsin - Stout

Wellness Center - Kiosk 20 Side C

Pass The Gravy: An Ethnographic Study On Food Insecurity During The U.S. Fall And Winter Holiday Season

Kyleigh Hoelscher Hoelscher, Texas State University - San Marcos

ART HISTORY

Wellness Center - Kiosk 39 Side A

The Cold War Propaganda Posters: USA and USSR

Lyazzat Galilolla, University of Central Oklahoma

Wellness Center - Kiosk 39 Side B

Images, Administrators, and Archives: Seals in the Persepolis Fortification Archive

Benjamin Brody, Trinity University

Wellness Center - Kiosk 39 Side C

The Craft of the Celts: Modern Times vs. Ancient Mastery

Heather McCoy, University of Central Oklahoma

BIOCHEMISTRY

Wellness Center - Kiosk 31 Side A

Structure-Function Studies of a Bacterial Toxin

Jessica Ames, University of Oklahoma Norman Campus

Wellness Center - Kiosk 31 Side B

Transplanting a Bacterial Immune System: Design, Construction, and Expression of a Multi-subunit Type IV CRISPR System

Melena Garrett, Utah State University

Wellness Center - Kiosk 31 Side C

The DEAD-box Helicase Mss116 Plays Distinct Roles in Mitochondrial Ribogenesis and MRNA-specific Translation

Natalie Marrero, University of Miami

Wellness Center - Kiosk 37 Side A

The Effects of Renin-Angiotensin System on Endoplasmic Reticulum Stress in Pancreatic Beta Cells

Boontharick Sopontammarak, Texas Tech University

Wellness Center - Kiosk 37 Side B

Structure Function Patterns in Non-Conserved Regions of Lactate Dehydrogenase (LDH)

Frank Kutilek, Wichita State University

Wellness Center - Kiosk 37 Side C

Investigating the Metabolic and Gene Expression Changes in Human Macrophages Co-cultured with Pseudomonas aeruginosa Biofilms

Sage Schiller, Montana State University Bozeman

BIOLOGICAL ENGINEERING

Wellness Center - Kiosk 43 Side A

Additive Manufacturing as a Tool in the Development of Training Models for Ultrasound-Guided Thyroid Biopsy

Allison Spaulding, Milwaukee School of Engineering

Wellness Center - Kiosk 43 Side B

Comparative Analysis of Hemorrhagic Trauma Injuries in Rodent Models

Colleen Roosa, North Carolina State University

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

BIOLOGY

Wellness Center - Kiosk 12 Side A

Exon Sequencing For the Presence of Late Onset Tay-Sachs

Joshua Slostad, Hamline University

Wellness Center - Kiosk 12 Side B

Eliminating the Bacteria Endosymbiont Wolbachia from Drosophila Lines Using a Novel Antibiotic Delivery Method

Corrie Bechtold, Eastern Washington University

Wellness Center - Kiosk 12 Side C

Genetic Effects of Caffeine Treatments on Dupuytren's Contracture Cells Under High Tension

Sarah Olson, University of Central Oklahoma

Wellness Center - Kiosk 15 Side A

Flying with Swallows - Research-based Learning at Moreno Valley College

Osmin Guevara, Moreno Valley College

Wellness Center - Kiosk 15 Side B

Immune Modulation of Resected Glioblastoma by Engineered Mesenchymal Stem Cells

Gabrielle Price, Spelman College

Wellness Center - Kiosk 15 Side C

Investigation of the Synergistic Effect of Select Phytochemical Containing Oils and Amphotericin B to Inhibit Fungal Biofilm Growth in Rhizopus oryzae

Caeleb Harris, Utah Valley University

Wellness Center - Kiosk 17 Side A

Arrows in Biology: How Design Theory Affects Scientific Visual Literacy

Daniel Mendoza, University of Alabama at Birmingham

Wellness Center - Kiosk 17 Side B

Comparative Genetic Structure of Mediterranean Geckos (Hemidactylus turcicus) from Oklahoma to Texas

Susan McKenna, University of Central Oklahoma

Wellness Center - Kiosk 17 Side C

Effect of Invasive Reed Canarygrass (Phalaris arundinacea) on Invertebrates in Wetlands of Turnbull National Wildlife

Gunner Davies, Eastern Washington University

Wellness Center - Kiosk 44 Side A

Investigating the Role of Gut Microbiota in the Health of Captive and Wild Black Rhinoceros

Michelle Ahn, The George Washington University

Wellness Center - Kiosk 44 Side B

Kinetic Characterization of Novel Protein-protein Interactions in Helicobacter Pylori Flagellar Assembly

Ji Lee, Kennesaw State University

Wellness Center - Kiosk 44 Side C

Novel Combination Therapy for High-Risk Alveolar Rhabdomyosarcoma with CDK4/6 & Wee1 Kinase Inhibitors

Melanie Justice, Notre Dame University Of

Wellness Center - Kiosk 46 Side A

The Notch Signaling Pathway Specifies Cardiac Cell Subtypes by Regulating the Expression of Different Pericardial Genes Through Distinct Permissive and Instructive Mechanisms

Mason Gay, Indiana State University

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

Wellness Center - Kiosk 46 Side B

Utilizing Cytochrome C Oxidase I (COI) for Microgenomic Identification of Osteichthyes Obtained from Rural and Urban Ponds in the Oklahoma Central Plains

Alissa Eberhard, Tulsa Community College

Wellness Center - Kiosk 46 Side C

What Bacteria Are Epiphytes of Midwestern Oak Tree Species?

Mary Strecker, Rockhurst University

Wellness Center - Kiosk 48 Side A

The Antioxidant Effects of Protandim

Eden Anderson, Benedictine College

Wellness Center - Kiosk 48 Side B

The Role of Sulfur-Reducing Bacteria in the Remediation of Acid Mine Drainage and Methylmercury Production

Brian Rothbard, Susquehanna University

Wellness Center - Kiosk 48 Side C

The Effects of SR9243 on HeLa Cell Proliferation and Apoptosis

Jacob Cushing, Benedictine College

CELL & MOLECULAR BIOLOGY

Wellness Center - Kiosk 6 Side B

Effect of Clinically Relevant CAD/CAM Zirconia Polishing on Gingival Fibroblast Proliferation and Focal Adhesions

Jeffrey Wong, Creighton University

Wellness Center - Kiosk 6 Side C

*Longevity Analysis of Germ-free *Drosophila melanogaster**

Makayla Nemecek, University of Nebraska at Kearney

Wellness Center - Kiosk 25 Side B

Examination of the 2018 AJCC Breast Cancer Staging Criteria: Introducing a Novel Risk Stratification Approach for Predicting Breast Cancer Recurrence

Armen Soukiazian, University of Rochester

Wellness Center - Kiosk 25 Side C

MicroRNA Regulation of APOBEC3A and APOBEC3B

Katlyn Gieseke, Minnesota State University, Mankato

CHEMISTRY

Wellness Center - Kiosk 28 Side A

Development of a Green Laboratory Experiment for Organic Chemistry II Students

Tanara Ellis, University of Central Oklahoma

Wellness Center - Kiosk 28 Side C

Progress In Synthesizing A Novel Bromo-Substituted Aurone As A Cyclooxygenase-2 Inhibitor

Samoya Forbes-Pentecost, Georgia College and State University

Wellness Center - Kiosk 45 Side A

A Cation Exchange-Solid Phase Extraction Protocol for the Isolation and Analysis of Alkaloids in Poison Frogs

Kimberly Gleason, Indiana State University

Wellness Center - Kiosk 45 Side B

A Chemistry in Art Project: Synthesis, Characterization and Printmaking Applications of Various Azo Dyes

Alexandra Hanna, Georgia College and State University

Wellness Center - Kiosk 49 Side A

Analysis of Carboplatin and DNA Interactions

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

by Spectroscopic Techniques

Claudette Fraire, Texas Woman's University

Wellness Center - Kiosk 49 Side B

Detection of Warfare Agents with Colorimetric Arrays

Andres Mora, Doane College

Wellness Center - Kiosk 51 Side A

Improving Luminescent Properties of Europium Metal Ion-Doped NaYF₄ Nanoparticles

Paige Phillips, Western Carolina University

Wellness Center - Kiosk 51 Side B

Plastic Microfiber Pollution Resulting from Washing Machine Use

Oscar Mayer, Ithaca College

Wellness Center - Kiosk 51 Side C

Synthesis of Michael Adducts Utilizing Unpolarized of Strained Ketones

John Johnson, North Carolina State University

COMMUNICATION SCIENCES & DISORDERS

Wellness Center - Kiosk 3 Side A

"Can You Hear Me Now?": Examining the Role of Social Media with Romantic Relationship Development with Individuals with a Speech and Language Disorder

Rachel Beck, University of Nebraska at Kearney

Wellness Center - Kiosk 3 Side B

Give Us a HAND: Holistic Narrative Quality Rating of Stories Told by Typically Developing Children

Devan Reische, Utah State University

Wellness Center - Kiosk 3 Side C

Brain Training and the Effects on Speech Per-

ception in Noise Among Older Adults

Ashley Jondle, University of Wisconsin - Whitewater

Wellness Center - Kiosk 9 Side A

A Collaboration on Investigating Literate Language: A Theme Based, Cycles Approach in a Child Development Classroom

Hailey McClain, University of Central Oklahoma

Wellness Center - Kiosk 9 Side B

How Is Your Voice Perceived?: A Perceptual Study

Emily Galbraith, Texas Woman's University

COMMUNICATIONS

Wellness Center - Kiosk 40 Side A

Using Publicly Available Comments on Facebook to Ascertain Public Opinion About International Adoption

Marisa Laudadio, Mississippi State University

COMPUTER SCIENCE

Wellness Center - Kiosk 2 Side A

An Analysis of the Knee Injury Rehabilitation Via a Mobile-Computing Approach

Yan Fay Chong, University of Central Oklahoma

Wellness Center - Kiosk 2 Side B

Development of Radiation Tolerant Computer Systems To Be Used In Orbit

Gabriel Van Dalsem, Montana State University Bozeman

Wellness Center - Kiosk 2 Side C

Organizing and Analyzing Diverse Biofilm Data Types Using Ontology and Bayesian Networks

Britney Gibbs, Montana State University Bozeman

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

Wellness Center - Kiosk 22 Side A

Citylink Transit: An Android Mobile App for the Citylink Transit System

Todd Bradshaw, University of Central Oklahoma

Wellness Center - Kiosk 22 Side C

TekFit: an Image Comparison Based App To Help You in the Gym

Khadijah Mahaley, Kennesaw State University

CRIMINOLOGY/CRIMINAL JUSTICE

Wellness Center - Kiosk 47 Side B

Cruel and Unusual: A Legal Analysis of Solitary Confinement and the Eighth Amendment

Brandon Craig, Bridgewater State University

Wellness Center - Kiosk 47 Side C

Together Alone: The Solitary Confinement Experience and Inmates' Perceptual Impacts on Punishment, Identity and Empathy

Karlie Berry, George Mason University

ECOLOGY & ORGANISMAL BIOLOGY

Wellness Center - Kiosk 32 Side A

Comparison of Five Similar Headwater Streams in Central Pennsylvania During the Summer of 2015-2017

Krista Carr, Susquehanna University

Wellness Center - Kiosk 32 Side B

The Effects of a Simulated Wildfire on the Soil Food Web

Monica Villegas, Eastern Washington University

Wellness Center - Kiosk 32 Side C

Variation in Total Mercury Content of Spiders from Coal-impacted Areas in Central Pennsylvania

Cutter McMinn, Susquehanna University

ECONOMICS

Wellness Center - Kiosk 18 Side A

What Factors Determine the U.S. LNG Exports?

Joseph Downs, University of Central Oklahoma

Wellness Center - Kiosk 18 Side C

What's for Dinner Honey?

Vinay Pai Pai, University of Wisconsin - Stout

Wellness Center - Kiosk 59 Side A

Determining the Distributional Effects of the Regional Greenhouse Gas Initiative

Tess Candler, Eastern Connecticut State University

Wellness Center - Kiosk 59 Side C

Tiger Effect

Nick Efaw, University of Central Oklahoma

EDUCATION

Wellness Center - Kiosk 7 Side A

A Treasure Basket of Pinecones, Fabric, and Whisks: One Student's Journey Advocating for Heuristic Play

Apolonia Harrell, University of Central Oklahoma

Wellness Center - Kiosk 7 Side B

Escape Rooms as a Study Method

William Wichmann, Florida International University

Wellness Center - Kiosk 7 Side C

Studying Abroad and Cross-Cultural Communication Skills of American Students: An Analysis of Adaptability and Sensitivity

Nam Nguyen, Washington State University

ELECTRICAL ENGINEERING

Wellness Center - Kiosk 5 Side A

Electromagnetic Interfacing of Neural Net-

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

works with Reinnervated Prosthetics

Lennert Dixon, Eastern Washington University

ENGINEERING/ENGINEERING TECHNOLOGY

Wellness Center - Kiosk 11 Side B

Experimental Modeling and Control of Pneumatic Cylinders for Robotic Applications

Winnie Ngo, City College of New York

Wellness Center - Kiosk 11 Side C

Novel Capacitive CFRP Sensor For Structural Health Monitoring

Sammy Hassan, Iowa State University

Wellness Center - Kiosk 21 Side A

Development of a Viscometer for High-Viscosity Fluids

Kristen O'Sullivan, State University of New York-New Paltz

Wellness Center - Kiosk 21 Side B

Community Ravine Slope Stability

Mary Kloos, Minnesota State University, Mankato

Wellness Center - Kiosk 21 Side C

Integration of Augmented Reality and Neuro-muscular Control Systems for Remote Vehicle Operations

Adam Berlier, Embry - Riddle Aeronautical University

Wellness Center - Kiosk 38 Side B

Sustainability Project

Oswaldo Perez, San Jacinto College Honors Program

Wellness Center - Kiosk 55 Side B

Thermal and Environmental Barrier Coating (TEBC) on SiC

Zoe Benedict, Montana State University Bozeman

Wellness Center - Kiosk 55 Side C

The Effect of Water Content on the Unconfined Compression Strength of Memphis, Tennessee Area Loess

Cooper Morris, University of Memphis

Wellness Center - Kiosk 60 Side A

Designing a Mobility Aid Accessible EcoPRT Vehicle

Tyler Currie, NC State University

Wellness Center - Kiosk 60 Side C

Material Strength Exhaustion from Different Perspectives

Raelynn Webb, University of Portland

Wellness Center - Kiosk 61 Side A

sUAS DAA Methods Via LiDAR and LWIR

Jonathan Buchholz, Embry-Riddle Aeronautical University

Wellness Center - Kiosk 61 Side B

The Effectiveness of Building Information Modeling (BIM) in Building Projects with Alternative Project Delivery Systems in the United States

Jingchen Liu, Lafayette College

Wellness Center - Kiosk 61 Side C

UAV-based Remote Terrain Search & Rescue Missions with Payload Delivery Using Object-based Image Analysis

don menuwan wijesinghe, Midwestern State University

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

ENVIRONMENTAL STUDIES & SCIENCES

Wellness Center - Kiosk 14 Side A

Habitat Suitability Model for Non-timber Forest Products at the Hahn Farm Montgomery County, Virginia

Jack Reaume, Virginia Polytechnic Institute & State University

Wellness Center - Kiosk 14 Side B

Response of Gastropod Size Frequency Distribution to Anthropogenic Disturbance

Maria Hilgers, University of Wisconsin - Whitewater

HEALTH SCIENCES & PUBLIC HEALTH

Wellness Center - Kiosk 52 Side A

Sexual Openness and Menstrual Attitudes as Predictors of Hookup Behavior and Attitudes Among Undergraduate Women

Antonia Caba, Miami University

Wellness Center - Kiosk 52 Side B

Social Norms of Drinking and Blacking Out

Allie Frederick, Miami University

Wellness Center - Kiosk 52 Side C

The Impact of Health Insurance Types on Survival Rates for Pediatric Heart Transplant Patients in The States of Texas and Oklahoma

Joshua Castro Castro, West Texas A&M University

Wellness Center - Kiosk 54 Side A

Predictors of Mental Health Treatment Seeking in at Risk Hispanic Youth and Adults

Crystal Venegas, California State University, Northridge

Wellness Center - Kiosk 58 Side A

MusicTherapy & DementiaHealth: Focusing on

the Environmental Factors

Sergio Cabrales, University of California - Merced

Wellness Center - Kiosk 58 Side B

Nationwide Approach to the Dual Elimination of Mother to Child Transmission (EMTCT) of HIV and Syphilis Within Kenya

Courtney Cook, University of West Florida

HISTORY

Wellness Center - Kiosk 4 Side A

American Whalers Entering the Slave Trade

Hannah Broughton, Christopher Newport University

Wellness Center - Kiosk 4 Side B

An Analysis of Discrepancies Within Contemporary Sources of the Battle of Gaugamela

Christopher Welch, Bridgewater State University

Wellness Center - Kiosk 4 Side C

Documenting Deportation: Where There Is Oppression, there Is Resistance

Margarita Garcia Rojas, University of Wisconsin - Milwaukee

Wellness Center - Kiosk 27 Side B

Tributes to Traitors

Elisabeth Owens, Tarrant County College District

INTERDISCIPLINARY STUDIES

Wellness Center - Kiosk 40 Side B

Connect or Disconnect?: Examining the Influence of Social Media Behaviors on Interpersonal Health

Taylor Kizer, University of Nebraska at Kearney

Wellness Center - Kiosk 40 Side C

Global Feminism: A Study of the Living Condi-

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

tions of Women and Girls Around the World

Stephanie Easterling, University of Central Oklahoma

Milk After a Workout

Francis Zobitz, Gustavus Adolphus College

INTERNATIONAL STUDIES

Wellness Center - Kiosk 24 Side A

Anti-Corruption Measures in East Asia

Preethi Srikanthan, George Mason University

Wellness Center - Kiosk 24 Side B

Can Motherhood Drive Feminism?: the Case of Las Madres De La Plaza De Mayo in Argentina

Allison McNamara, Illinois College

KINESIOLOGY & EXERCISE SCIENCE

Wellness Center - Kiosk 35 Side A

*Examining the Role of Visual Perception in the Hopping Locomotion of *Rhinella marina**

William Werry, Wheaton College

Wellness Center - Kiosk 35 Side B

Increased Nitric Oxide Bioavailability Does Not Affect Endothelial Function and Pulse Wave Velocity

Brycen Ratcliffe, Indiana State University

Wellness Center - Kiosk 36 Side A

Stroke Volume During Practice and Match Play in Junior Tennis Players

Alexis Axtell, University of Kentucky

Wellness Center - Kiosk 36 Side B

Effect of Optimal Neuromuscular Training on RFD and Correlates of Muscle Contraction Across a Velocity Spectrum

Rahul Bathija, State University of New York-Brockport

Wellness Center - Kiosk 36 Side C

The Immediate Effect of Consuming Chocolate

LITERATURE

Wellness Center - Kiosk 26 Side B

*Making Apuleius' *Metamorphoses* Accessible*

Andrew Tao, Trinity University

MARKETING

Wellness Center - Kiosk 29 Side A

Exploring "Go Green" and Other Corporate Sustainability Practices: An Examination of Fortune 500 Company Branding Efforts

Laura Miranda, University of Central Oklahoma

Wellness Center - Kiosk 29 Side B

Online Shopping, Word Of Mouth, And The Differences Between Platforms: Social-Based Versus Retail-Based Platforms.

Trever Field, University of Central Oklahoma

Wellness Center - Kiosk 29 Side C

Exploring the Role of Cultural Adaptation and User Perceptions Online: A Study of American and Malaysian Restaurants Website and Social Media Pages

Hui Yi Chong, University of Central Oklahoma

MICROBIOLOGY & IMMUNOLOGY

Wellness Center - Kiosk 19 Side A

*Biomass and Oil Production by *Microalga Neochloris oleoabundans* in Floating, Rocking and Stationary Bag Photobioreactors*

Jared Averitt, Austin PEAY State University

Wellness Center - Kiosk 19 Side B

Development of a Pichinde Virus-Based Vaccine Vector for the Treatment of Tuberculosis

Sophia Vrba, University of Minnesota, Twin Cities

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

Wellness Center - Kiosk 19 Side C

Poxvirus Virulence Genes and Their Role in Endosome Trafficking and Antigen Presentation: Crucial for Activation of an Immune Response

Rishita Yeduri, East Carolina University

Wellness Center - Kiosk 34 Side A

*Analysis of Common Repeat Regions Found in Phages Infecting the Bacteria Host, *Corynebacterium**

Manuel Rocha, University of Alabama at Birmingham

Wellness Center - Kiosk 34 Side B

Defective Interfering Particles in Buggy Creek Virus, a Unique Arbovirus

Tyler Rollman, Creighton University

Wellness Center - Kiosk 34 Side C

Restriction on Bacterial Diversity Demonstrated by Community Level Physiologic Profiling (CLPP) Using Biolog EcoPlates™ After Carbon Tetrachloride Exposure

Josh Baty, University of Evansville

Wellness Center - Kiosk 57 Side A

*Host Gene Expression and Phosphorylation in THP-1 Cells During *Coxiella burnetii* Infections*

Christa Jackson, John Brown University

Wellness Center - Kiosk 57 Side B

Monsters in the Water: Antibiotic Resistance in the Chicago Area Waterways

Morgan De Ruiter, Trinity Christian College

Wellness Center - Kiosk 57 Side C

Riding the Microbial Ferrous Iron Wheel with

an Archaeon from a Hot Spring in Yellowstone

Maria Clara Fernandes Martins, Montana State University Bozeman

NEUROSCIENCE

Wellness Center - Kiosk 8 Side A

A Systematic Review: The Potential Neuroplastic Mechanisms Underlying Music Therapy in Cognitively Impaired Older Adults

Sabrina Goyal, University of Rochester

Wellness Center - Kiosk 8 Side B

Baclofen and Opioid Synergism in Mice Could Inform Potential Treatments

Remy Meir, University of Alabama at Birmingham

Wellness Center - Kiosk 8 Side C

Females of a Moth with Two-celled Ears Discriminate Acoustic Stimuli with Different Temporal Patterns

Jessica Hernandez, Florida International University

Wellness Center - Kiosk 23 Side A

Age and Genetic Background Influence Initial Nicotine Sensitivity in C57BL/6J and DBA/2J Mice

Carley Miller, Penn State University

Wellness Center - Kiosk 23 Side B

Effects of Alcohol on Defeat-induced Social Avoidance in Mice

Emily Graham, University of Tennessee at Knoxville

NURSING

Wellness Center - Kiosk 1 Side A

A Comparison Between Traditional BSN and RN-BSN Programs in Pennsylvania

Courtney Knotts, University of Pittsburgh School of Nursing

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

Wellness Center - Kiosk 1 Side B

Evidence-Based Practice for Chest Tube Dressings to Reduce Insertion Site Infections and Air Leaks: An Integrative Research Review

Cristi Kinney, Lubbock Christian University

Wellness Center - Kiosk 41 Side A

Adolescent Suicide Prevention

Kaitlyn Foster, University of Central Oklahoma

Wellness Center - Kiosk 41 Side B

Disparities Among Gender Related to Cardiovascular Disease

Jennifer Rivera, Baylor University

NUTRITION

Wellness Center - Kiosk 13 Side A

Fortification of Baked Goods with Cricket Powder to Increase Protein Content and Nutritional Value

Levi Brown, University of Central Oklahoma

Wellness Center - Kiosk 13 Side B

*Product Development Considerations for a Nutrient Rich Protein Bar Using Cricket (*acheta Domesticus*) Protein*

Ether Maciel, California State University - Long Beach

POETRY & CREATIVE WRITING

Wellness Center - Kiosk 26 Side A

An Unconscious Muse: The Irresistible Forces of Femininity and Queerness in Writing

Ava Rutter, Mount St. Mary's College - Los Angeles

POLITICAL SCIENCE

Wellness Center - Kiosk 50 Side B

Here Today, Gone Tomorrow: Two Decades of Deportation Trends in the U.S.

Sandra Chavez, University of West Georgia

Wellness Center - Kiosk 50 Side C

The Discursive Construction of Afghan Women in US Political Discourse

Sara Huzar, George Mason University

PSYCHOLOGY

Wellness Center - Kiosk 10 Side A

Arousal Reappraisal and Interoceptive Awareness: How Awareness of Bodily Changes Facilitates Heightened Performance & Ability to Reappraise

Wyndham Chalmers, College of Saint Benedict/ St. John's University

Wellness Center - Kiosk 10 Side B

Association Between Young Adults of Separated Biological Parents, and High Risk Sexual Behavior Across Race and Sex

Guillermo Defranc, Southwestern Oklahoma State University

Wellness Center - Kiosk 16 Side A

ADHD Diagnosis Is Associated with Depressive Symptomatology Among College Students

Samuel Grassman, University of Wisconsin - Stout

Wellness Center - Kiosk 16 Side B

An Explanation of the Counter-Intuitive Relationship Between Need for Attention and Intrinsic Learning Motivation

Karina Yamaguchi, Musashino University

Wellness Center - Kiosk 16 Side C

Body Awareness and the Perceived Location of Self

Jesus Ramones, University of Central Oklahoma

Wellness Center - Kiosk 30 Side A

Program Evaluation for YWCA Ready to Learn

Quincey Krein, Minnesota State University, Mankato

STUDENT POSTER SESSION 4 - THU 3:40PM-4:40PM

Wellness Center - Kiosk 30 Side B

Relationship of Room Cleanliness, Self-Image and General Self-Care

Svetlana Procopenko, Dominican University of California

Wellness Center - Kiosk 33 Side A

Blessed Assurance or Loving Thy Neighbor? The Existential Tradeoff of Religious Orientations

Tristyn Short, Southern Nazarene University

Wellness Center - Kiosk 33 Side B

Cross-modal Attentional Entrainment Effects: Insights from Magicians

Amanda Ehlert, Carthage College

Wellness Center - Kiosk 33 Side C

Effects of Cell Phone Usage Upon Sleep Quality in College Students

Merissa Cook, Weber State University

Wellness Center - Kiosk 42 Side A

Effects of Content on Physiological Stress Response During Public Speaking Task

McKenzie Schooley, University of Science and Arts of Oklahoma

Wellness Center - Kiosk 42 Side B

Identifying Individuals Through Their Behavioral Biometrics

Kelly Rogers, University of Central Oklahoma

Wellness Center - Kiosk 42 Side C

Parental Bonding and Perceived Importance of Alcohol Predict Drinking in Domestic Versus International Students

Jacqueline Ziegman, Miami University

Wellness Center - Kiosk 53 Side A

The Parallels Between Political Dissimilarity and Friendship Violation

Brianna Campbell, Adelphi University

Wellness Center - Kiosk 53 Side B

Views On Spanking

Imaan Ahmed, Elmhurst College

Wellness Center - Kiosk 53 Side C

The Effect of Brain Stimulation on Error Rate in the Stop Signal Task

Brian Turner, University of Kentucky

Wellness Center - Kiosk 56 Side A

An Exploration of Ethnic and Racial Discrimination Among Latinolas Across Generational Status

Edith Melendez, Eastern Washington University

Wellness Center - Kiosk 56 Side B

Culture Differences in the Effect of Capitalization on Relationship Well-Being

xinzi wang, University of Rochester

SOCIAL WORK

Wellness Center - Kiosk 47 Side A

Perceptions of Sexual Assault Among College Students

Linda Drake, Midwestern State University

THEATRE/DRAMA

Wellness Center - Kiosk 26 Side C

Climate Change Theatre Action at Iowa State University

Vivian Cook, Iowa State University

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

ART HISTORY

Wellness Center - Kiosk 5 Side A

African and Oceanic Art: Reevaluating the Concept of Cultures and Museums

Olivia Musgrove, University of Central Oklahoma

Wellness Center - Kiosk 5 Side B

Roy Lichtenstein: Popeye 1961

Sam Howard, East Central University

Wellness Center - Kiosk 5 Side C

Tracing Transformations in Sri Lankan Dance, Costume, and Photography

Sashini Godage, Johns Hopkins University

BIOCHEMISTRY

Wellness Center - Kiosk 8 Side A

Structure-Guided Optimization of PPAR α Agonists

Jessica Knobbe, University of Oklahoma Norman Campus

Wellness Center - Kiosk 8 Side B

Synthesis of a Macrocyclic Polyamine for Enzyme Mimic Studies

Kevan English, University of West Florida

Wellness Center - Kiosk 8 Side C

Virtual Screening for Novel Inhibitors of Trypanosoma Cruzi 6-phosphogluconate Dehydrogenase

Kaan Kumru, University of Texas at Austin

Wellness Center - Kiosk 20 Side A

Inhibition of Actinobacteria and Actinobacteriophages by ZnO Nanoparticles

Monica Reece, Western Carolina University

Wellness Center - Kiosk 20 Side B

Maximizing Output from an Aspirin Producing Bacteria

Lori Gwyn, Southwestern Oklahoma State University

Wellness Center - Kiosk 20 Side C

Mechanism of DNA Hydrolysis and Target Specificity of Co, Ni, and Zn Cyclen and Cyclam Complexes

Lori Gwyn, Southwestern Oklahoma State University

Wellness Center - Kiosk 27 Side A

Sequence Analysis of NapA Diversity in the Beaver Dam Creek Watershed

Melissa Vaaltyn, Salisbury University

Wellness Center - Kiosk 27 Side B

Testing the Structure and Binding Properties of Proposed Metamorphic Proteins

Brandon Black, University of North Carolina, Charlotte

Wellness Center - Kiosk 27 Side C

Post-translational Modification of KMT Target and Lysine-115 in CaM

Kara Tauer, University of Kentucky

Wellness Center - Kiosk 56 Side A

Determining the Effect of A3B Overexpression on the Mutational Landscape of Ovarian and Fallopian Tube Epithelial Cells in Vivo

Christina Landis, University of Minnesota, Twin Cities

Wellness Center - Kiosk 56 Side B

Investigating Mechanisms of Regulation of Mitochondrial DNA Transcription

Alicia Bostwick, Hope College

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

BIOLOGICAL ENGINEERING

Wellness Center - Kiosk 30 Side A

A Novel Platform for Development of Cell Delivery Strategies Using Poly (ε-caprolactone) Microfiber Scaffold Implants into the Zebrafish CNS

Emily Kozik, Iowa State University

Wellness Center - Kiosk 30 Side B

Development of Ex-Vivo Tensile Device

Fredella Lee, University of Rochester

Wellness Center - Kiosk 30 Side C

Membrane Dynamics During Photothermal Stimulation

Sanim Rahman, University of South Florida

BIOLOGY

Wellness Center - Kiosk 35 Side A

Using Light to Determine When Embryonic Organs of Xenopus laevis Synchronize with the Environment

Mikayla Kind, University of Wisconsin - Whitewater

Wellness Center - Kiosk 35 Side B

The Role of mRNA Decay in Caulobacter crescentus Cell Cycle Regulation

Obaidah Bitar, Wayne State University

Wellness Center - Kiosk 37 Side A

Acceleration of Neuronal Outgrowth by Histone Deacetylases During Neurogenesis

Benjamin Ahlrichs, University of Northern Iowa

Wellness Center - Kiosk 37 Side B

Characterization of Apoptotic Activity of Buggy Creek Virus

Benjamin Ryan, Creighton University

Wellness Center - Kiosk 37 Side C

Effects of a Mixture of Ibuprofen and Triclocarban on the Water Flea, Ceriodaphnia dubia

Katrina Engelbrecht, University of Wisconsin - Whitewater

Wellness Center - Kiosk 41 Side A

The Effect of Estrogen on Parenchyma Tissue Composition in Calves Fed an Enhanced Diet

Jessica (Ened) McNett, Northern New Mexico Community College

Wellness Center - Kiosk 41 Side B

The Fungus Calonectria pteridis Causing Rhizome Rot of Ornamental American Pitcher Plants (Sarracenia Spp.)

Owen Washam, North Carolina State University

Wellness Center - Kiosk 41 Side C

Polyamine Pathway as a Player in Breast Cancer Cell Proliferation in Diabetic Conditions

Jose Ortega, University of Nebraska at Kearney

Wellness Center - Kiosk 42 Side A

The Effect of Tail Length Variation on Minimum Inhibitory Concentration, and Biofilm Disruption

Smita Bajgain, James Madison University

Wellness Center - Kiosk 42 Side B

Soil Characteristics and Abundances of Seeded Prairie Species in Central North Carolina

Sophia Tesluk, Elon University

Wellness Center - Kiosk 42 Side C

The Role of HSP70 and HSP90 in Tolerating Abiotic Stressors in Seaweeds Gracilaria vermiculophylla and Ulva lactuca

Killian Campbell, Eastern Washington University

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

Wellness Center - Kiosk 43 Side A

Diversity of Riffle Fishes in the Upper Blue River, Oklahoma

Jonathan Lucas, East Central University

Wellness Center - Kiosk 43 Side B

Evaluation of Haemonchus contortus Hatch Inhibition by Three Plant Based Products

Sydney Lyon, Texas State University - San Marcos

Wellness Center - Kiosk 43 Side C

Identification of Sulfonamide-resistant Bacteria Within Lake Sediment of Varying Trophic States

Jaimen Hampton, Hamline University

Wellness Center - Kiosk 46 Side A

The Effect of Light Quantity on Sex Ratios in a Plant Population

Justin Cornett, University of Kentucky

Wellness Center - Kiosk 46 Side B

Whole-Genome Epidemiology of Environmental Salmonella: Monitoring Potential Threats to Public Health

Charles Holmes II, James Madison University

CELL & MOLECULAR BIOLOGY

Wellness Center - Kiosk 32 Side A

Investigating Mcm10 and Mrc1 Interaction at the Replication Fork

Bryan Wright, Northeastern State University

Wellness Center - Kiosk 32 Side B

Odd Versus Even: Medium-chain Triglycerides Absorption in Patients with Long-chain Fatty Acid Oxidation Disorders

Dhale Larsen Posadas, Portland State University

Wellness Center - Kiosk 32 Side C

Investigating Alzheimer's Disease Pathology: The Effects of Reduced Astrocyte Beclin 1 on Retromer Trafficking and Receptor-mediated Phagocytosis

Yuberki Delgadillo, Eastern Connecticut State University

CHEMISTRY

Wellness Center - Kiosk 6 Side A

Computational Studies on the Free Energies of Water Permeation: Effect of Acyl Chain Length and Unsaturation of Monoglycerides

Mariama Njie, Iona College

Wellness Center - Kiosk 6 Side B

Polyaniline

Lani Chau, Adelphi University

Wellness Center - Kiosk 6 Side C

Fluoride Concentration in Water from College Campuses in North Texas

Audrey Peacock, Tarrant County College District

Wellness Center - Kiosk 25 Side A

Molecular Docking-Guided Design and Synthesis of Lactate Dehydrogenase-A Inhibitors as Potential Anticancer Agents

Raymond Leniger, Southwestern Oklahoma State University

Wellness Center - Kiosk 25 Side C

Synthesis & Evaluation of Lipid A Inhibitors on Gram-negative Bacteria

Claire Fergusson, Black Hills State University

Wellness Center - Kiosk 26 Side A

Regioselective and Ratio Controlled Conjugation of Fluorophores to Trastuzumab Antibody Fragment

Naomy De Los Santos, Iona College

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

Wellness Center - Kiosk 26 Side B

Synthesis of Variable Sized Silver for the Binding and Delivery of Drug Derivatives

Ally Eubanks, Georgia College and State University

Wellness Center - Kiosk 26 Side C

The Matrix Effect on the Uptake Capacities of Magnetic Iron Composites

Lauren Mitchell, Bethel College

Wellness Center - Kiosk 31 Side A

Study of the Binding Interactions Between Human Serum Albumin and Alachlor and Alachlor ESA Using High Performance Affinity Chromatography

Sidney Trenhaile, University of Nebraska at Kearney

Wellness Center - Kiosk 31 Side B

Synthesis of a Cyclophane Bearing Two Benz[a]anthracene Units Connected at 5 and 7 Positions with Two Naphth-1,4-diyl Groups

Josef Heller, West Virginia University

Wellness Center - Kiosk 31 Side C

*Preliminary Identification of Volatiles Produced by the Nursery-web Spider *Pisaurina mira**

Aminah Muhammad, Susquehanna University

Wellness Center - Kiosk 38 Side A

Synthesis and Utilization of New Sulfonium Salt Photoinitiators

Megan Prien, University of Wisconsin - Whitewater

Wellness Center - Kiosk 38 Side B

The Extraction and Quantification of Resveratrol from Powder and Liquid Supplements

Anna Bitzer, Hamline University

Wellness Center - Kiosk 38 Side C

Use of Ferulic Acid Derivatives for Pain Relief

Wuilian Martinez, University of Nebraska at Kearney

Wellness Center - Kiosk 40 Side A

Phospholipid-Small Molecule Interactions: Influences on Membrane Thermal Behavior Studied by DSC

anneliese jagarnath, Iona College

Wellness Center - Kiosk 40 Side B

Single Crystal Growth and Characterization of $A2mx4$ Compounds ($a = C5h7n2$, $C6h5c2b4nh3$; $M = Zn, Cd, Hg$; $X = Cl, Br, I$)

Samuel Bayliff, University of Oklahoma Norman

Campus

Wellness Center - Kiosk 40 Side C

Synthesis of Fluorinated Alkyl Pyrophosphates for Chemoenzymatic Diversification of Natural Products

Johanna Masterson, University of Oklahoma Norman

Campus

COMPUTER SCIENCE

Wellness Center - Kiosk 11 Side B

A Novel Approach for Analyzing Power Wheelchair Movements Using Advanced Mathematics and Machine-Learning Techniques

Marcus Ong, University of Central Oklahoma

ECOLOGY & ORGANISMAL BIOLOGY

Wellness Center - Kiosk 9 Side B

Fish Surveys of Sager Creek

Abigail Danley, John Brown University

ECONOMICS

Wellness Center - Kiosk 18 Side A

Catastrophic Health Spending in Uganda

Timothy Cheng, University of the Pacific

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

Wellness Center - Kiosk 18 Side B

Effects of Agricultural Nutrient Additives on Surface Water Quality

Jimmy Chin, University of North Carolina, Chapel Hill

Wellness Center - Kiosk 18 Side C

Impact of Gulf Storms on Oil and Natural Gas Prices

Laila Samara, University of Central Oklahoma

Wellness Center - Kiosk 53 Side A

Teacher Turnover in Relation to Comparable Professions

Manas Vemuri, University of Michigan

Wellness Center - Kiosk 53 Side B

What Causes the Donations for NPO's to Decrease?

Kendra Gift, Southwestern Oklahoma State University

EDUCATION

Wellness Center - Kiosk 21 Side A

Collaboration: Teacher Perspectives of Collaboration Practices Within an Elementary School Setting

Kaylee Parker, Young Harris College

Wellness Center - Kiosk 21 Side B

Physics Hertz!: An Analysis of the Language Demands of the Physics Classroom

George Day, California University of Pennsylvania

Wellness Center - Kiosk 21 Side C

The Language Barrier for Language Minority Students

Tamara Montes, University of Alabama at Birmingham

ENGINEERING/ENGINEERING TECHNOLOGY

Wellness Center - Kiosk 12 Side A

Adjustable Compliant Mechanism Load Deflection Test Bench

Franklin Woods, Kennesaw State University

Wellness Center - Kiosk 12 Side C

Dynamic Contact Angle Measurements

Jomarie Leblanc, Midwestern State University

Wellness Center - Kiosk 45 Side B

CFD Modeling of the Effect of Leading-edge Tubercles and Trailing Edge Serrations on Flow Passing an Airfoil

Diana Hanks, University of West Florida

Wellness Center - Kiosk 45 Side C

Effect of Key Factors Contributing to Cross-programming in RFID Multi-tag Applications

Ibrahim Appleton, University of Kentucky

Wellness Center - Kiosk 51 Side A

Comparison of New and Innovative Deicing Materials for Winter Roadway Safety Improvement

Kacie Zangel, Minnesota State University, Mankato

Wellness Center - Kiosk 51 Side B

Emissions Analysis of Synthetic Diesel for Off-Road Heavy-Duty Equipment

Christian Hushion, West Virginia University

Wellness Center - Kiosk 51 Side C

Mission to Mars

Joshua Rodriguez, San Jacinto College Honors Program

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

Wellness Center - Kiosk 57 Side A

Disk Cam Synthesis & Simulation

Cole Prather, University of Central Oklahoma

Wellness Center - Kiosk 57 Side B

Fin Optimization for Enhanced Flight Performance on an Experimental Rocket

Atharv Datye, San Jose State University

Wellness Center - Kiosk 57 Side C

Performance Characterization of a PV Module for Multiple Operating Parameters

Adrina Bourang, San Jose State University

ENVIRONMENTAL STUDIES & SCIENCES

Wellness Center - Kiosk 7 Side A

An Examination of the Relationship Between Water Resources and Conflict

Joanne Hong, George Mason University

Wellness Center - Kiosk 7 Side B

Carion Community Dynamics of Burned Carcasses

Aurora Johnston, George Mason University

Wellness Center - Kiosk 17 Side B

Student Perceptions of GMOs

Tatiana Smithson, Kennesaw State University

HEALTH SCIENCES & PUBLIC HEALTH

Wellness Center - Kiosk 39 Side A

Fitness at Your Fingertips

Shan Antony, Indiana State University

Wellness Center - Kiosk 39 Side B

Investigation of Ambient PM 2.5 Concentrations in Lima, Peru'

Joseph Self, University of Michigan

HISTORY

Wellness Center - Kiosk 2 Side A

A Changing Cultural Landscape in the Sunnyside Neighborhood of Morgantown, West Virginia

Elizabeth Satterfield, West Virginia University

Wellness Center - Kiosk 2 Side B

Equality of Opportunity: The Racial Significance of The Elementary and Secondary Education Act

Olivia Branscum, Southwestern Oklahoma State University

Wellness Center - Kiosk 2 Side C

Forgotten by the Culture of Memory: the West German-Centered Erinnerungskultur and Its Effect on the East-West Divide in Modern Germany

Hunter Jones-Le Duc, Niehoff School of Nursing

INTERDISCIPLINARY STUDIES

Wellness Center - Kiosk 28 Side C

Validation of an Automated Body Condition Scoring Camera for Dairy Cattle

Israel Mullins, University of Kentucky

Wellness Center - Kiosk 47 Side A

Fragmenta Ne Pereant: A Translation and Analysis of the Endpapers of MS Latin Kentuckiensis III

Alyssa Mertka, University of Kentucky

Wellness Center - Kiosk 47 Side B

The One Who Speaks with Liveliness: a Contextual Analysis of Perceptions of La Malinche and Her Role in the Conquest of the Aztecs

Stephanie Rendon, Lone Star College System The Honors College

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

Wellness Center - Kiosk 47 Side C

The Protective Health Effects of Natural Dietary Products on Disease and Aging Category: Poster or Oral

George Sandu, Adelphi University

KINESIOLOGY & EXERCISE SCIENCE

Wellness Center - Kiosk 4 Side A

Analyzing East Asian International Student Perceptions and Usage of Marijuana and Changes in Alcohol Consumption

Andrea Lee, Miami University

Wellness Center - Kiosk 4 Side B

Impact of an Exercise Physiology Assignment on Communication Apprehension and Labyrinth Effect

Samantha McAvooy, University of Central Oklahoma

Wellness Center - Kiosk 4 Side C

The Role of Psychological Reactance as an Explanatory Mechanism for Failed Attempts at Weight Loss

Ezekiel Wariboko-Alali, University of Central Oklahoma

Wellness Center - Kiosk 58 Side A

Exploring the Influence of Dance for Parkinson's Disease on Cognition and Functional Mobility

Kirsten Hizer, Jacksonville University

Wellness Center - Kiosk 58 Side B

Sleep Deprivation: Effects on Peak Power (Anaerobic Capacity)

Collin Fleecs, University of Nebraska at Kearney

Wellness Center - Kiosk 58 Side C

Carbohydrate Effect on Blood Glucose Levels

Post Training

Grayson Stout, Gustavus Adolphus College

LINGUISTICS

Wellness Center - Kiosk 36 Side A

Real-time Pragmatic Processing with an Artificial Lexicon

Bethany Gardner, University of Rochester

Wellness Center - Kiosk 36 Side B

Oklahoma Perceptual Dialectology

Emily Hughes, Oklahoma State University

MICROBIOLOGY & IMMUNOLOGY

Wellness Center - Kiosk 1 Side A

Influences of Ovary Function on Longevity and Health

Kyleigh Tyler, Utah State University

Wellness Center - Kiosk 1 Side B

Machine Learning Analysis of Immunological Predictors in the Onset of Graft Versus Host Disease Following Hematopoietic Stem Cell Transplantation

Camille David, Wake Forest University

Wellness Center - Kiosk 1 Side C

The Effect of Asimina Triloba Extract on Quorum Sensing in Chromobacterium violaceum and Biofilm Production in Pseudomonas aeruginosa

Sabrina Lamont, George Mason University

Wellness Center - Kiosk 33 Side A

Diversity Among Phages Infecting the Host Corynebacterium

Alexander Winters, University of Alabama at Birmingham

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

Wellness Center - Kiosk 33 Side B

*Isolation and Characterization of 5 Novel Phages Infecting the Host *Corynebacterium xerosis**

Shriya Meesala, University of Alabama at Birmingham

Wellness Center - Kiosk 33 Side C

An Analysis of the Clinical and Demographic Data from 2015-16 Influenza A Virus Positive Patients in the Johns Hopkins Healthcare System

Paul Delgado, University of Oklahoma Norman Campus

Wellness Center - Kiosk 60 Side A

*The Good, the Bad, the E. coli: a Prevalence Study of Antibiotic Resistance Genes in *Escherichia coli* Within the Waterways of Northwest Ohio*

Sarah Klass, The University of Findlay

MUSIC

Wellness Center - Kiosk 24 Side A

“Joyful Music Isn’t Perfect: Adult Musicking”

Rainamei Luna, University of Rochester

Wellness Center - Kiosk 24 Side B

Debussy’s Lasting Impact on Flute Composition

Kaitlin Lee, University of Central Oklahoma

Wellness Center - Kiosk 24 Side C

Language Acquisition Through Folk Songs in an Elementary Classroom Setting: a Case Study

Katherine Dondlinger, University of Wisconsin - Whitewater

NEUROSCIENCE

Wellness Center - Kiosk 13 Side A

Acute Social Defeat Stress Induces Microglial Activation in Key Limbic Regions

Thomas Clarity, University of Tennessee at Knoxville

Wellness Center - Kiosk 13 Side B

Effect of Western Diet and Bariatric Surgery on Hypothalamic Inflammation in Mice

Sruthi Ramesh, Wayne State University

Wellness Center - Kiosk 54 Side A

Recovery of Adult Neural Stem Cells from Alginate Hydrogels

Laura Pesquera, Iowa State University

Wellness Center - Kiosk 54 Side B

Stereotaxically Targeting Inferior Olivary Neurons in Mice to Assess Climbing Fiber Function

Shreya Malhotra, University of Alabama at Birmingham

PHYSICS

Wellness Center - Kiosk 15 Side A

Assembly, Installation, and Calibration of an IGY Neutron Monitor

Jacob Hanson-Flores, University of Wisconsin - River Falls

Wellness Center - Kiosk 15 Side B

Dual Beam Optical Tweezers for Undergraduate Biophysics Research

William Coon, Bridgewater State University

Wellness Center - Kiosk 15 Side C

Investigation of the Hydrodynamic Forces Acting on a Model of a Moving Hand

Elizabeth Gregorio, Hamline University

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

Wellness Center - Kiosk 34 Side A

Electrical Conductivity and Band Gap Modulation of Polycrystalline Films of Copper (I) Iodide and Copper (I) Thiocyanates by Doping Iodides and Thiocyanates

joshua harwell, University of West Georgia

Wellness Center - Kiosk 34 Side B

Scattering from Defects in Prototype Optical Coatings for LIGO Test Masses

Calley Tinsman, Embry-Riddle Aeronautical University

Wellness Center - Kiosk 34 Side C

Structural Studies of Transition Metal Ionic Liquids Using Anomalous X-ray Scattering at the Advanced Photon Source

Mayson Whipple, North Central College

PHYSIOLOGY

Wellness Center - Kiosk 50 Side A

Characterization of Novel LncRNA Transcriptional Regulators of Contractile Protein Genes

Jessica Resnick, Mercer University

Wellness Center - Kiosk 50 Side B

Sex Specific Differences in Cardiac Fibrosis

Gregory Milburn, University of Kentucky

Wellness Center - Kiosk 50 Side C

Defective Tooth Enamel in a HCO₃-transporter Null Mouse

alassane mballo, University at Buffalo, State University of New York

PSYCHOLOGY

Wellness Center - Kiosk 3 Side A

Title: Exploration of the Meaning of African Dance for Minority Students

Shannon Alford, Clark Atlanta University

Wellness Center - Kiosk 3 Side B

Examining the Effect of Honor Culture on Mental Health Stigma

Lynn Bui, University of Oklahoma Norman Campus

Wellness Center - Kiosk 3 Side C

Audio-Visual Proactive Interference

Haley Williams, University of Science and Arts of Oklahoma

Wellness Center - Kiosk 10 Side A

A Mixed Method Analysis of Women Who Have Experienced Intimate Partner Violence

Janeyra Mitchell, Clark Atlanta University

Wellness Center - Kiosk 10 Side B

Food Detection Response Times: Meat-Eaters vs. Vegetarians

Ashtin Dunham, University of Central Oklahoma

Wellness Center - Kiosk 10 Side C

Parenting Behaviors, Family Dynamics, and Child Social Competence in Ecuador

Jordan Shuler, Weber State University

Wellness Center - Kiosk 16 Side A

Applying a Tootling Intervention to Special Education

Jenna Macziewski, Minnesota State University, Mankato

Wellness Center - Kiosk 19 Side A

The Effects of a Social-Belonging Intervention on First Year College Student Success

Leah Friesen, Bethel College

Wellness Center - Kiosk 19 Side B

The Impact of Anxiety on Working Memory

Nicole Weber, Luther College

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

Wellness Center - Kiosk 19 Side C

They Do Say You Date Your Parents: Attachment and Relationships

Cayla Checorski, University of Central Oklahoma

Wellness Center - Kiosk 29 Side B

Clinician-Patient Interactions Regarding Treatment Choice

Alice Pham, University of Memphis

Wellness Center - Kiosk 29 Side C

Deficits in Executive Function Associated with Substance Abuse: a Comparison Between Alcohol and Marijuana Use

Sarah Vanegas, University of Kentucky

Wellness Center - Kiosk 44 Side A

A Separation of Church and State: When Religious Values and Political Beliefs Conflict

Susie Schoenrock, University of Wisconsin - La Crosse

Wellness Center - Kiosk 44 Side B

Behavioral Engagement During Conflict and Support Interactions in Married Couples

Amer Tamr, Wayne State University

Wellness Center - Kiosk 44 Side C

Demographic Factor's Potential Influence on Anxiety and Depression Symptomology

Eli Cadena-Bowles, University of Central Oklahoma

Wellness Center - Kiosk 48 Side A

The Effects of Video Game Genre and Environment Lighting on Emotional Experience

Katrina Kazmierski, North Central College

Wellness Center - Kiosk 48 Side B

The Enhancing Effect of Attention

Jeremy Wilbourn, University of Wisconsin - Parkside

Wellness Center - Kiosk 48 Side C

Self-Concept Throughout the Semester

Cassidy McKnight, University of Central Oklahoma

Wellness Center - Kiosk 49 Side A

The Dark Triad in the Realm of Politics

Kelly Kennedy, Luther College

Wellness Center - Kiosk 49 Side B

The Effect of Age on Dissociative Disorder Treatment Intervention Outcomes

Victoria Wolsh, Towson University

Wellness Center - Kiosk 49 Side C

PTSD: Risk Factors and Daily Functioning in a Ukrainian Sample

Elizabeth Hilton, Eastern Connecticut State University

Wellness Center - Kiosk 55 Side A

The Working Mother and Employment Policy: Relationships Between Psychosocial and Work-related Variables

Linnea Faccenda, Duquesne University

Wellness Center - Kiosk 55 Side B

What Is the Effect of High or Low-fat Diet on Spatial Learning in the Radial-arm Maze in Long-Evans Rats?

Hannah Stauffer, Susquehanna University

Wellness Center - Kiosk 55 Side C

The Role of Implicit Race and Gender Attitudes in the Generation of Competency Estimations

Sheila O'Sullivan, Adelphi University

Wellness Center - Kiosk 59 Side B

The Experience of College Students with Asthma

Kayla Humston, Western Carolina University

Wellness Center - Kiosk 59 Side C

Who Am I? Changes in Identity Development During College

David Shears, The University of Virginia's College at Wise

SOCIOLOGY

Wellness Center - Kiosk 14 Side B

Challenges to Student Success

Shames Alaesa, Tarrant County College District

Wellness Center - Kiosk 14 Side C

Neighbor Influence: Social Connectivity and the Adoption of Conservation Agriculture

Sadie Higgins, Hampshire College

SUSTAINABILITY

Wellness Center - Kiosk 23 Side A

Piezoelectric Fog Generator for Sustainability Demonstration

muhammad sheikh, San Jacinto College Honors Program

Wellness Center - Kiosk 23 Side B

An Investigation of a Mass Flow Rate Method for Evaluating the Filterability of Hydraulic Fluids

Tahseen Tabassum, Stony Brook University

Wellness Center - Kiosk 23 Side C

Investigation of Modified Kudzu Proteins as an Alternative Adhesive for Wood Composites

Phong Ly, Mississippi State University

WOMEN AND GENDER STUDIES

Wellness Center - Kiosk 22 Side A

Perspectives on Sexual Fluidity Through the Lifespan

Margaret Leon, University of Central Oklahoma

Wellness Center - Kiosk 22 Side C

What Do LGBTQ+ Students Want from Their Mental Health Professional? A Mixed Method Analysis of Therapeutic Experiences, Expectations, and Recommendations

Jessica Sumner, Mercer University

STUDENT POSTER SESSION 5 - FRI 8:30AM-9:30AM

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

ART HISTORY

Wellness Center - Kiosk 44 Side A

Interrupting the Tyranny of Italian Renaissance: A Comparative Study of Artwork by Kehinde Wiley and Yin Xin

Kristen Martin, University of Central Oklahoma

Wellness Center - Kiosk 44 Side B

Vaginal Imagery & Female Identity: The Art of Alicja Zebrowska and Hannah Wilke

Elizabeth Suarez-Montero, University of Central Oklahoma

Wellness Center - Kiosk 44 Side C

Women Artist at War

Beth Anderson, University of Central Oklahoma

BIOCHEMISTRY

Wellness Center - Kiosk 12 Side A

Synthesis and Characterization of Ruthenium and Manganese: CORM Complexes with Thiosemicarbazone Ligands

Hannah Daniels, The University of Virginia's College at Wise

Wellness Center - Kiosk 12 Side B

Synthesis and Evaluation of Five Flexible Heteroarotinoids on Methicillin-resistant and Non-resistant Staphylococcus aureus Cell Viability

Hyun Meen Park, University of Central Oklahoma

Wellness Center - Kiosk 56 Side A

Translational Control

Jie Zhou, University of Rochester

Wellness Center - Kiosk 56 Side B

Optimization of the Expression of Tetracycline

Monoxygenase: An Enzyme Conferring Antibiotic Resistance to Pathogenic Bacteria

Adriana Cordero, Texas A & M University - Kingsville

Wellness Center - Kiosk 56 Side C

Oxidative Damage in Sjogren's Syndrome Patients Using ELISA Assays

Huyen Tran, University of Central Oklahoma

BIOLOGICAL ENGINEERING

Wellness Center - Kiosk 8 Side B

Quantifying Motion Variability During a Skilled Dance Sequence

Michelle Dickerson, George Mason University

Wellness Center - Kiosk 8 Side C

Characterization of Pluronic F-127/Pectin Hydrogel for Potential Tissue Engineering Applications

Elizabeth Bryant, Letourneau University

Wellness Center - Kiosk 19 Side A

Implementation of Quantum Information Processing in Genetic Therapy

Aryon Shariati, Virginia Commonwealth University

Wellness Center - Kiosk 19 Side B

Orientation Selective Spinal Cord Stimulation

Lauren Madden, University of Minnesota, Twin Cities

Wellness Center - Kiosk 19 Side C

Predicting Drug Metabolite Structures

Ayush Kumar, Washington University

Wellness Center - Kiosk 48 Side A

Using MRI Segmentation to Differentiate and Diagnose Glioma and Metastasis

Connor Virgile, University of Rochester

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

Wellness Center - Kiosk 48 Side B

Implications of Micra Leadless Pacemaker Extraction for Tricuspid Valve Integrity

Marta Williams, Luther College

Wellness Center - Kiosk 48 Side C

Constructing a Chronic Neural Ensemble Recording System

Thomas Geiser, University of Wisconsin - Whitewater

BIOLOGY

Wellness Center - Kiosk 13 Side A

*Feeding Habits of Atlantic Bluefin Tuna *Thunnus thynnus* in the Strait of Gibraltar Using Stomach Content Analysis*

Gabrielle Morris, University of Tennessee at Chattanooga

Wellness Center - Kiosk 13 Side B

How Is Cancer Incidence Driven by Stem Cell Division Rate?

Gia Fisher, Montana State University Bozeman

Wellness Center - Kiosk 13 Side C

Mathematical and Experimental Study on Circadian Phase-Period Relationship

Olivia Zapfe, University of South Carolina

Wellness Center - Kiosk 20 Side A

Glycated Chitosan Inhibits Fibroblasts-mediated Compaction and Contraction of Collagen Lattices

Tu Doan, University of Central Oklahoma

Wellness Center - Kiosk 20 Side B

*Bromoxynil Octanoate Effect on the Soil Bacteria *Acidovorax facilis**

Erik Olson, Minnesota State University, Mankato

Wellness Center - Kiosk 20 Side C

Developing an Interactive Application to Analyze Detections of Nanotagged Birds Using R Shiny

Rachel Tham, University of Illinois at Urbana Champaign

Wellness Center - Kiosk 37 Side A

Correlation Between Altered VEGF Signaling & Abnormal Skeletogenesis as a Result of Thalidomide Exposure in Developing Sea Urchin Embryos

Alexis Aument, Susquehanna University

Wellness Center - Kiosk 37 Side B

*Effects of Culture Conditions on *Poecilia reticulata* Embryo Survival*

Ian Boals, Eastern Washington University

Wellness Center - Kiosk 37 Side C

Identifying Fatty Acid Species in Transgenic Mice Affected by Hepatocellular Carcinoma

Collin Snitchler, Southern Nazarene University

Wellness Center - Kiosk 42 Side C

The Effects of Caffeine on Insulin Resistant 3T3-L1 Adipocytes

Kristen Kaytes, Susquehanna University

BUSINESS/FINANCE/ACCOUNTING

Wellness Center - Kiosk 5 Side A

Aglocam: The Present, Past, and Future of Growth of a Small Company

Austin Dabbs, Salisbury University

Wellness Center - Kiosk 5 Side B

Latino-Owned Banks in the United States and Financial Literacy: How Locally-Owned Banks Contribute to Their Community

Miguel Miranda, University of Wisconsin - Whitewater

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

Wellness Center - Kiosk 5 Side C

Managing Millennial Accountants

Joshua Johannes, State University of New York-Brockport

CELL & MOLECULAR BIOLOGY

Wellness Center - Kiosk 43 Side A

Differential Contributions of Activated YAP and TAZ to the Malignant Phenotypes of Metastatic Prostate Carcinoma Cells

Kevin Rodriguez, San Jacinto College

Wellness Center - Kiosk 43 Side B

Functional Screening of a Metagenomic Library for the Detection of Novel Thermostable Enzymes from an Alkaline Hot Spring in Yellowstone National Park

Noelani Boise, Montana State University Bozeman

CHEMISTRY

Wellness Center - Kiosk 12 Side C

On the Permeability of Water Across Model Lipid Bilayers

Michael Morales, Iona College

Wellness Center - Kiosk 57 Side A

Silver Nanoparticle Embedded Cotton Fibers for Effective SERS Detection of Toxins

Michael Woods, Kennesaw State University

Wellness Center - Kiosk 57 Side C

Utilizing a Pulsed Waveform to Elute DNA Molecules in 3D Printed Devices for Genome Analysis

Molly Kohlbek, University of Nebraska at Kearney

COMMUNICATIONS

Wellness Center - Kiosk 35 Side A

The Relationship Between Consumption of Reality TV and Recall of Rebellious Behavior

of Preteens

Natehya Hardison, Clark Atlanta University

Wellness Center - Kiosk 35 Side B

Exploring Differing Media Responses To Diplomatic Events: The Devyani Khobragade Incident

Matthew Hebron, Florida State University

ECONOMICS

Wellness Center - Kiosk 26 Side A

Common Core Math Success in Washington State

Brittney Short, Eastern Washington University

Wellness Center - Kiosk 26 Side B

Impact of Earned Income Tax Credit on Female Labor Force Participation Rate - Analysis of Rural vs. Urban Counties

Rachel Maschhoff, University of Minnesota, Duluth

Wellness Center - Kiosk 26 Side C

The Political, Economic & Cultural Influences on China's Housing Market

Andrew Campo, Virginia Military Institute

Wellness Center - Kiosk 61 Side A

The Impact of Ultra-low-cost-carrier Competition on Market Airfare

Roselyn Anderson, University of Wisconsin - Stout

Wellness Center - Kiosk 61 Side B

Wastewater Treatment Facilities: A Case Study in Whitewater, WI

Nia-Nicole Mitchell, University of Wisconsin - Whitewater

EDUCATION

Wellness Center - Kiosk 9 Side A

Behavior Management Insight from the Field

of Special Education

Claire Kenyon, Hope College

Wellness Center - Kiosk 9 Side B

How to Facilitate Monitoring Learning Behavior of Undergraduate Student

Kyoko Tsuruta, Musashino University

Wellness Center - Kiosk 9 Side C

Leadership Theories Identified by Metropolitan K-12 and Higher Education Administrators That Impact Their Every Day Work

Amber Davis, University of Central Oklahoma

ELECTRICAL ENGINEERING

Wellness Center - Kiosk 29 Side A

Hyperflex Optical Booster Modeling Platform

Yu Chen Xu, McGill University, Montreal (Quebec)

Wellness Center - Kiosk 29 Side B

Performance Analysis of DC-DC Power Converters with Photovoltaic Modules for Battery Charging Applications

Abel Henok, Kennesaw State University

Wellness Center - Kiosk 29 Side C

Wind Turbine Generator Control System Design

Brent Gaddis II, University of Central Oklahoma

ENGINEERING/ENGINEERING TECHNOLOGY

Wellness Center - Kiosk 10 Side B

Continued Development of a Guided Wave Cure Monitoring System for Composite Materials

Madison Maloney, NC State University

Wellness Center - Kiosk 10 Side C

Effect of Laser Micro-grooving on Titanium

Implant

Anindita Das, University of Central Oklahoma

Wellness Center - Kiosk 60 Side A

Sustainable Approach for Green Pesticide Production in Kenya from the Croton Megalocarpus Trees

Shelby Browning, University of Kentucky

Wellness Center - Kiosk 60 Side B

The Automated Vertical Garden

Neushan Pradhan, University of Central Oklahoma

Wellness Center - Kiosk 60 Side C

In-situ Quality Inspection for Micro/nanoscale Additive Manufacturing System Based on Electrohydrodynamic Inkjet Printing Using Machine Vision

Eric Spahr, Iowa State University

ENGLISH

Wellness Center - Kiosk 3 Side A

Cross-Dressing in Early American Culture and Today

Briana Smith, Tennessee Technological University

Wellness Center - Kiosk 3 Side B

Designing a New Writing Culture at NAU

Sarah Begovac, Northern Arizona University

Wellness Center - Kiosk 3 Side C

Improving Accessibility Within Museums Through Multiple Literacies

Kendall Hughes, Michigan State University

ENVIRONMENTAL STUDIES & SCIENCES

Wellness Center - Kiosk 11 Side A

Analysis of Lead Bioavailability in Urban Soils

Caroline Meunier, Indiana State University

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

Wellness Center - Kiosk 11 Side B

Coastal Community Resilience: Strategies to Mitigate the Effects of Climate Change

Eden Craig, University of West Florida

Wellness Center - Kiosk 11 Side C

Growth Characteristics of Oat (Avena Sativa) Grown in Reclaimed Stream Sediment

Sarah Mack, Kean University

GEOGRAPHY & EARTH SCIENCES

Wellness Center - Kiosk 45 Side A

Anthropogenic Climate Change on the Arctic Sea Ice

Kalley Swift, University of Wisconsin - River Falls

Wellness Center - Kiosk 45 Side B

Developing 3-Dimensional Photogrammetry Models of Jurassic Conglomerates in Central CT

Jennifer Croteau, Eastern Connecticut State University

Wellness Center - Kiosk 45 Side C

Heavy Metal Accumulation in Sediments Recovered from the Wabashiki Wetlands and Izzak Walton Lake

Matthew Barley, Indiana State University

HEALTH SCIENCES & PUBLIC HEALTH

Wellness Center - Kiosk 33 Side A

A Pilot Study on Consumption of Apples in Relation to Hypertension, Blood Lipids, Glucose, and Insulin

Kathleen Dwyer, Appalachian State University

Wellness Center - Kiosk 33 Side B

Correlation of Toenail and Blood Lead Concentrations with Cognitive Outcomes in

Children from Cincinnati, OH

Julianna Dantzer, University of Kentucky

Wellness Center - Kiosk 33 Side C

Health Disparities Seen in Birth Defects Among Various Races Abstract

Shumaila Lakhpati, Baylor University

Wellness Center - Kiosk 39 Side A

HPV Vaccination: Factors Associated With Non-Testing of HPV in The United States

Cristall Merritt, University of West Florida

Wellness Center - Kiosk 39 Side B

Fair Housing Is Not an Option, It's the Law: the Process of Survey Development for the Oklahoma City Public Housing Authority

Anthony Robinson, University of Central Oklahoma

Wellness Center - Kiosk 49 Side A

Muscle Oxygen Saturation of the Gastrocnemius in Healthy Controls

Henamari Ybay, University of Nebraska at Omaha

Wellness Center - Kiosk 49 Side B

Racial and Gender Differences on Smoking Cessation Aids Among Patients with Cancer

Stephanie Diei, University of Alabama at Birmingham

Wellness Center - Kiosk 49 Side C

Systemic Inflammation in Electronic Cigarette Users Versus Traditional Smokers

Sebastian Lawson, Weber State University

Wellness Center - Kiosk 52 Side A

Effects of Helicopter Parenting on the Health Care Transition Readiness of Typically Developing College Students: Perceptions of Higher Education Staff

Elizabeth Reeve, Elon University

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

Wellness Center - Kiosk 52 Side B

Electronic Cigarettes and the Risk of Rheumatoid Arthritis

Jacob Hutchins, Weber State University

Wellness Center - Kiosk 59 Side A

Alcohol and Marijuana Use and the Relationship to Mental Health in Rural Undergraduate Students

Taylor Karrow, Gustavus Adolphus College

Wellness Center - Kiosk 59 Side B

Childhood Obesity Treatment in Iowa: Primary Care Providers' and Residents' Practices and Attitudes

Benjamin Dralle, Iowa State University

INTERDISCIPLINARY STUDIES

Wellness Center - Kiosk 53 Side A

Critical Urban Forms: Involving Youth in the Planning Process

Josephina Matteson, Iowa State University

Wellness Center - Kiosk 53 Side B

The Effect of Initial Conditions on Development of Spatial Morphology in an Artificial Life System

Taylor Wehrs, Doane College

KINESIOLOGY & EXERCISE SCIENCE

Wellness Center - Kiosk 32 Side A

Effect of Vitamin D Repletion on Anaerobic Performance in Physically Active Adults

Mikenzie Mikkelson, Black Hills State University

Wellness Center - Kiosk 32 Side B

Childhood Obesity: The Growing Epidemic

Lindsay Hukill, University of Central Oklahoma

Wellness Center - Kiosk 36 Side A

Effects of a 4-week Segway Training Protocol on Ankle Dorsiflexors and Plantarflexors Torque Production

Nicole Belt, West Texas A&M University

Wellness Center - Kiosk 36 Side B

Electromyographic Differences Between Sixth Grade Boys and Girls

Jozelyn Rascon, University of Texas at El Paso

Wellness Center - Kiosk 36 Side C

Comparison of Caloric Expenditure Between a Fitbit Device and Measured Expired Gas Analysis

Kiersten Bredeson, Gustavus Adolphus College

LITERATURE

Wellness Center - Kiosk 17 Side A

"Lambeth Homily 17, Tears, and Otherness"

Hyeree Ellis, Depauw University

Wellness Center - Kiosk 17 Side B

The Michael Field Diaries Digital Archive

Josephine Bliss, Northern Kentucky University

Wellness Center - Kiosk 17 Side C

Walking the Line: Game of Thrones and Shakespeare

Emily Hemmer, University of Nebraska at Kearney

MATHEMATICS

Wellness Center - Kiosk 22 Side A

Determining Factors for Elderly Independent Living

Emily Kelting, University of Central Oklahoma

Wellness Center - Kiosk 22 Side B

Math Circle Spatial Reasoning Activities

Erica Bajo Calderon, University of Central Oklahoma

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

Wellness Center - Kiosk 22 Side C

Techniques for Providing Optimal Regulation Levels for Injection Wells in Oklahoma
Will Cranford, University of Central Oklahoma

Wellness Center - Kiosk 34 Side A

Stirling Number Analogs for Counting Graph-Type Partitions
Xiaoya Meyer, Cameron University

Wellness Center - Kiosk 34 Side B

TerraFemme: An Investigation into a Compostable Menstrual Service
Anna Luisa DaSilva, University of North Carolina - Asheville

Wellness Center - Kiosk 34 Side C

Metriziation Theory in Topology
Ryan Fisher, California Lutheran University

MICROBIOLOGY & IMMUNOLOGY

Wellness Center - Kiosk 28 Side A

Assessing the Potential Antimicrobial Properties of Hemp Fabric
Alexander Lahman, Eastern Washington University

Wellness Center - Kiosk 28 Side B

High Throughput Screening for Natural Host Defense Peptide-Inducing Compounds as Novel Alternatives to Antibiotics
Sage Becker, Oklahoma State University

Wellness Center - Kiosk 28 Side C

Development of Vaccines for Treatment of Opioid Abuse Using Carrier Proteins Suitable for Pharmaceutical Manufacturing and Clinical Use
Ajinkya Limkar, University of Minnesota, Twin Cities

MUSIC

Wellness Center - Kiosk 2 Side A

Cheryl Frances-Hoad and Contemporary British Classical Music: Composer, Performers, and Audience
Ethan Seegmiller, Utah State University

Wellness Center - Kiosk 2 Side B

Interactive Learning: The Sounds of Bonne Chance
Wesley Fowler, University of Tennessee at Knoxville

Wellness Center - Kiosk 2 Side C

The Potential of Principles: A Call for Research into Applying the Alexander Technique in the K-12 Music Classroom
Katherine Matthews, Valparaiso University

NEUROSCIENCE

Wellness Center - Kiosk 23 Side A

Rethinking Multisensory Integration: A Study Of Inverse Effectiveness
Allen Chen Chen, University of Rochester

Wellness Center - Kiosk 23 Side B

Perinatal Hyperserotonemia Influences Dopamine Expression in the Midbrain
Zachary Zeisler, Mercer University

Wellness Center - Kiosk 38 Side A

Determining the Importance of Randomizing Functional Magnetic Resonance Imaging (fMRI) Stimuli When Studying Stroke Patient Populations
Gauri Patil, University of Rochester

Wellness Center - Kiosk 38 Side B

From Waves to Evidence: Theoretical Bases of Spike Sorting and Spike Train Analysis for

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

Chronic In-Vivo Mammalian Recordings

Ryan Honeck, University of Wisconsin - Whitewater

Wellness Center - Kiosk 38 Side C

Developmental of a New Protocol for Mapping Language During Awake Brain Surgery
Magdalena Granados, University of Rochester

Wellness Center - Kiosk 55 Side A

Srw-85 Expression Is Controlled by the Basic-helix-loop-helix Transcription Factor Cnd-1/NeuroD1
Derrica McCalla, Kennesaw State University

Wellness Center - Kiosk 55 Side B

The Effects of Prenatal Stress and Perinatal Choline on Basolateral Amygdala A7 Nicotinic Acetylcholine Receptor (nAChR) Levels
Rob Ledbetter, University of Tennessee at Knoxville

Wellness Center - Kiosk 55 Side C

The Role of Gadd45b in DNA Demethylation and Reward Learning
Guan-En Graham, University of Alabama at Birmingham

POLITICAL SCIENCE

Wellness Center - Kiosk 54 Side A

The Effects of US Economic Hegemony on Cultural Values
Johnny Carter, University of Memphis

Wellness Center - Kiosk 54 Side B

The Trump Phenomenon & Latino Portrayals in News Media
Josiah Van Egdom, Eastern Washington University

Wellness Center - Kiosk 58 Side A

State Political Ideology and FEMA Spending
Madlaine Farmer, Cameron University

Wellness Center - Kiosk 58 Side B

The Rise in Hate Crime in the Contemporary United States
Alison Lo, University of Michigan

Wellness Center - Kiosk 58 Side C

White Evangelical Support for Donald Trump in the 2016 Election: An Analysis of Attitudes, Beliefs, and Values
Jessa Schultis, University of Nebraska at Kearney

PSYCHOLOGY

Wellness Center - Kiosk 4 Side A

Assessment of the Effectiveness of the Pike's Peak Humane Education Summer Camp
Rebecca Moore, Dominican University of California

Wellness Center - Kiosk 4 Side C

"It's Not What You Say, but What You Do": Allyship as a Tool to Attract Black Women to STEM
Samira Foster, Elon University

Wellness Center - Kiosk 6 Side A

College Students' Relationships Between Cell Phones and Anxiety
Casey Morrison, Southern New Hampshire University

Wellness Center - Kiosk 6 Side B

Competitive Sabotage
Dalton Brown, University of Michigan

Wellness Center - Kiosk 6 Side C

Effect of Fidget Spinners on Auditory and Visual Attention
Rebecca Nelson, Eastern Illinois University

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

Wellness Center - Kiosk 14 Side A

Perceptions of Phubbing: A Comparison of Self, Friends, and Romantic Partners

Sarai Bauguess, Kennesaw State University

Wellness Center - Kiosk 14 Side B

Relationships Between Risk-Taking and Digit Ratio

Cassandra Voth, Bethel College

Wellness Center - Kiosk 15 Side A

Children's Perception of Threats

Leila Murphy, University of Central Oklahoma

Wellness Center - Kiosk 15 Side B

Effects of Early Onset Marijuana Use on Executive Functioning Compared to Late Onset Marijuana Use

Sarah Lehman, University of Wisconsin - Milwaukee

Wellness Center - Kiosk 15 Side C

Physiological Measures of Empathy Pain Implicating Mirror Neuron Activity and Gender Differences in Self-Reported Empathy

Malvina Pietrzykowski, Eastern Connecticut State University

Wellness Center - Kiosk 18 Side B

Self-Reported Health of Paternal Figures of Children with and Without Disabilities

Annamaria Rudderow, Susquehanna University

Wellness Center - Kiosk 18 Side C

College Student Future Work Stress Expectations: Does Maslow's Hierarchy Hold Up?

Breanna Deemer, Moravian College

Wellness Center - Kiosk 21 Side A

Commanding Without Conscience: Determin-

ing the Frequency of Sociopathic Presidents' Elections

Lindsay Kastroll, California University of Pennsylvania

Wellness Center - Kiosk 21 Side B

Does the Type of Musical Training Influence Working Memory? The Effect of Instrumental, Vocal and Musical Technology Training on Working Memory

Austin Rush, Capital University

Wellness Center - Kiosk 21 Side C

Exploring Self-Construal as a Moderator of the Prosocial Spending Effect

Monica Mazurek, Elmhurst College

Wellness Center - Kiosk 24 Side A

Relationship Quality and Academic Performance

Jennifer Huntley, Adelphi University

Wellness Center - Kiosk 24 Side B

Investigating the Relationship Between Illness Invalidiation and Symptom Severity in Individuals with Fibromyalgia

Rebecca Massey, University of Alabama at Birmingham

Wellness Center - Kiosk 25 Side A

Understanding Student Dress Codes and Their Psychosocial Effects

Taylor Edwards, Clark Atlanta University

Wellness Center - Kiosk 25 Side B

Media Influences on Mental Illness Stigma

Mandi Charette, Eastern Connecticut State University

Wellness Center - Kiosk 25 Side C

Political Knowledge, Candidate Facial Domi-

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

Wellness Center - Kiosk 41 Side B

Community Residents' Attitudes Towards Persons with Intellectual Disabilities Living in Nearby Group Homes

Denise Pascullo, Adelphi University

Wellness Center - Kiosk 41 Side C

Gender Differences in Reports of How Children Learn and the Accuracy of Their Memories

Jade Gomez, Salisbury University

Wellness Center - Kiosk 46 Side A

Effects of Social Media Use on Relationships in a College Student Sample

Samantha Campbell, Tennessee Technological University

Wellness Center - Kiosk 46 Side B

Effects of Virtual Reality-Induced Eye Strain on Visual Acuity and Contrast Perception

Adam Dalessandro, Albright College

Wellness Center - Kiosk 46 Side C

Empathy Across the Lifespan

Hannah Freeman, University of Science and Arts of Oklahoma

Wellness Center - Kiosk 47 Side A

Emotion Regulation, Childhood Abuse, and Alcohol Use Among College Students

Royce Alfred, Kennesaw State University

Wellness Center - Kiosk 51 Side A

Childhood Trauma and Personality Disorders

Nia Chase, Oklahoma State University

nance, and Voter Preferences

Anna Edgar, Georgia College and State University

Wellness Center - Kiosk 27 Side A

Adopting Identities: How Socialization Varies Between Adoptive Families

Joseph Walden, University of Kentucky

Wellness Center - Kiosk 27 Side B

Common Misconceptions in Psychological Science

Jacklyn Gehling, Minnesota State University, Mankato

Wellness Center - Kiosk 27 Side C

Embeddedness: A Potential Predictor of Countries' Attitudes Toward Women and Immigrants.

Morgan Crawford, St. Norbert College

Wellness Center - Kiosk 31 Side A

The Effect of Foreign Accent on Children's Learning of New Knowledge

Ashley Andino, University of Rochester

Wellness Center - Kiosk 31 Side B

The Impact of Dance on Pre-school Children

Danielle Faber, Adelphi University

Wellness Center - Kiosk 31 Side C

Traumatic Events Predicting OCD Symptomology

Addie Beller, University of Central Oklahoma

Wellness Center - Kiosk 41 Side A

An Examination of Feature Loss Over Time in Auditory Memory

Amber Carleton, University of Wisconsin - Parkside

STUDENT POSTER SESSION 6 - FRI 9:45AM-10:45AM

Wellness Center - Kiosk 51 Side B

Differentiation of Self and Its Impact on the Development of Post Traumatic Stress Disorder Symptomatology

Tyler Woodall, Lubbock Christian University

Wellness Center - Kiosk 51 Side C

Exploring Sibling Support as a Buffer Between Family Conflict and Adolescent Internalizing Symptoms

Cassidy Fry, University of North Carolina, Chapel Hill

SOCIAL WORK

Wellness Center - Kiosk 50 Side B

Examining the Impact of Mindfulness on Undergraduate Social Work Internships

Jennifer Nowak, University of Wisconsin - Whitewater

SOCIOLOGY

Wellness Center - Kiosk 1 Side A

'I Keep It To Myself Because It's Weird:' Managing the Stigma of Seeing a Ghost

Courtney Brindisi, Wells College

Wellness Center - Kiosk 1 Side B

Growing Conservation Agriculture: Farmers and Agricultural Education

Elise Martinez, University of Colorado Boulder

Wellness Center - Kiosk 1 Side C

No Justice, No Peace: A Reformulation of Weber's Critique of Authority and Marx's Critique of Social Movements

Henry Wilcox, University of Tennessee at Knoxville

Wellness Center - Kiosk 7 Side C

Where Is the Education of Latinos/as Due to Racial Profiling?

Drew Zadrzynski, University of Wisconsin - Parkside

Wellness Center - Kiosk 30 Side A

Beauty Standards: Helpful or Harmful?

Hailey Varnell, Connors State College

Wellness Center - Kiosk 30 Side B

Economic Entrapment: Student Loan Debt Management

Gabrielle Bridger, Ithaca College

Wellness Center - Kiosk 30 Side C

Resiliency and Revitalization: Regenerative Relationships Between Health Systems and Neighborhoods

Jessie Knapp, Viterbo University

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

ANTHROPOLOGY & ARCHEOLOGY

Wellness Center - Kiosk 41 Side A

Identifying the Unidentifiable: Using Isotopic Analysis to Develop Biological Histories in Forensic Cases from Flagstaff, Arizona

Taylor Lambrigger, Northern Arizona University

Wellness Center - Kiosk 41 Side C

Investigating Imitation: Egyptianizing Limestone Votive Statues at Athienou-Malloura

Katherine Consola, Creighton University

ART HISTORY

Wellness Center - Kiosk 27 Side A

How Dolls Were Used to Push the Nationalist Agenda of Russia and Japan in the 19th & 20th Century

Amber Borum, University of Central Oklahoma

Wellness Center - Kiosk 27 Side B

Shattering Male Sexual Dominance in the United States and Female Genital Mutilation in Nigeria Through Art: A Comparative Study of Women's Fight for Sexual Liberation

Fatima Mohamud, University of Central Oklahoma

Wellness Center - Kiosk 27 Side C

Taking the Veil: A Comparative Exploration of French Veiling Customs in Culture and Art Between the Medieval and Contemporary Eras

Carrie Kouts, University of Central Oklahoma

BIOCHEMISTRY

Wellness Center - Kiosk 4 Side A

Determination of Humic Acid Content in Surface Waters by HPLC Quantification

Allison O'Neill, George Mason University

Wellness Center - Kiosk 4 Side C

Rin GTPase Regulates Neuronal Apoptosis

Shane D'Souza, University of Kentucky

Wellness Center - Kiosk 16 Side A

Determining Conjugate Diene in Sjogren's Syndrome Patients Using Spectrophotometry

Huyen Tran, University of Central Oklahoma

Wellness Center - Kiosk 16 Side B

Expression and Purification of PGMRC1, a Putative Sigma-2 Ligand Receptor and A β Oligomer Interacting Protein in Neuronal Synapses

Hayley Webber, University of Kentucky

Wellness Center - Kiosk 16 Side C

Sequence Selectivity, Cooperativity, and Competition in the Equilibrium Binding of Psoralen Crosslinking Agents to DNA

Giselle Valdes, Florida International University

Wellness Center - Kiosk 25 Side A

Investigating Fatty Acid Export Following Lipid Droplet Degradation in Skeletal Muscle

Hosam Alkhatib, University of Minnesota, Twin Cities

Wellness Center - Kiosk 25 Side B

Metallothionein 1X, an Investigation of Zinc Binding and Regulation by Phosphorylation

Kevin Patel, Kennesaw State University

Wellness Center - Kiosk 25 Side C

NK Cells Exhibit Reduced Cytotoxicity In Hypoxic Conditions

Cortney Collins, Northern Arizona University

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

BIOLOGICAL ENGINEERING

Wellness Center - Kiosk 34 Side A

A Novel Spherical Stent for Occlusion of Cancer and Aneurysm

Wen Hsin Yang, University of Rochester

Wellness Center - Kiosk 34 Side B

Developing Photoacoustic Microscopy for in Vivo Label-free Imaging of Tumor Vasculature Development and Therapy

Luis Trevisi, University of Oklahoma Norman Campus

Wellness Center - Kiosk 34 Side C

Lactoferrin Conjugated Silica Nanoparticles: Finding the Optimal Strategy to Traverse the Blood-Brain Barrier

Refat Chowdhury, Florida International University

BIOLOGY

Wellness Center - Kiosk 18 Side A

Assessing the Genetic Diversity of Native and Nonnative Phragmites (common Reed) in Wisconsin

Rachel Bautzmann, University of Wisconsin - White-water

Wellness Center - Kiosk 18 Side B

Comparison of Antimicrobial Properties of Different Beer Brewing Methods

Harleigh Robbins, University of Central Arkansas

Wellness Center - Kiosk 18 Side C

Developing a Global Homology and Collinearity Analysis Framework for Comparative Genomics

Kelly Sovacool, University of Kentucky

Wellness Center - Kiosk 44 Side A

The Role of 16S Ribosomal RNA Methylations in Ribosome Quality Control in E. coli

Varun Chowdhry, University of Rochester

Wellness Center - Kiosk 44 Side B

Quinolone-Topoisomerase Interactions and Resistance: Does the Water-Metal Ion Bridge Play a Role in Staphylococcus aureus Topoisomerase IV?

Remington Hoerr, University of Evansville

Wellness Center - Kiosk 44 Side C

Human Development on Wildlife Diversity in Urban Wooded Ecosystem

Chirstie Nesbit, Tulsa Community College

Wellness Center - Kiosk 60 Side B

Molecular Strain Typing of Alfalfa Weevils from Utah, Nevada, and California

Chelsea Jenkins, Utah State University

Wellness Center - Kiosk 60 Side C

Preferred Medium for Egg Collection in Drosophila melanogaster

Toriani Kent, Eastern Washington University

CELL & MOLECULAR BIOLOGY

Wellness Center - Kiosk 32 Side A

Injury- and Age-dependent Increases in Thy-1 in the Rat Supraoptic Nucleus

Marissa Andersen, Concordia College - Moorhead

Wellness Center - Kiosk 32 Side C

Defining Essential Regions of Paf53 and Paf49 Using Crispr/cas9

Joanne Adams, University of Central Oklahoma

Wellness Center - Kiosk 37 Side A

Cellular Localization of RAD51D

Claire Chabot, University of South Carolina - Columbia

Wellness Center - Kiosk 37 Side B

Exposure to Chromium (VI) Enhances the

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

Motility of Colorectal Cancer Cells Through Activation of FAK

David Chen, University of Kentucky

Wellness Center - Kiosk 37 Side C

New Dynein Mutant Screen in Neurospora Crassa Utilizing an in Vivo MCherry Fluorescent Tagged Dynein Heavy Chain (DHC)

Eden Fitzgibbons, Rockhurst University

CHEMISTRY

Wellness Center - Kiosk 5 Side A

Thermal Analysis of Hydrated Salts: An Undergraduate Inorganic Laboratory Experiment

Alexis Crawford, Georgia College and State University

Wellness Center - Kiosk 5 Side B

Application of Supercritical Fluid Extraction Methods to Compare Highly Oxidized and Unoxidized Camellia sinensis Leaves

Kayla Emerson, Lubbock Christian University

Wellness Center - Kiosk 5 Side C

Synthesis of Novel Flavonoid Derivatives as Acetylcholinesterase Inhibitors for the Treatment of Alzheimer's Disease

Daniel McGuirk, Georgia College and State University

Wellness Center - Kiosk 26 Side A

Preparing a Unique Sponge Collection for Biomedical Assay Screening

Phu Dang, University of Central Oklahoma

Wellness Center - Kiosk 26 Side B

Molecular Simulations of Gas Selectivity in Zeolitic Imidazolate Frameworks

Gladys Greene, Eastern Washington University

Wellness Center - Kiosk 26 Side C

Surface Assisted Laser Desorption Ionization

Mass Spectrometry (SALDI-MS) Signal Enhancement as a Function of Nanoparticle Size/Surface Area

Michelle Lapak, University of West Florida

Wellness Center - Kiosk 43 Side A

Addressing Structural Liabilities Through Total Synthesis: Towards the Development of Improved Acyldepsipeptide Antibacterials

Joshua Lujan, University of Oklahoma Norman Campus

Campus

Wellness Center - Kiosk 43 Side C

Efficient Synthesis of 3-(piperidin-4-yl)-3,4-dihydroquinazolin-2(1H)-one (PDQ)

Julia Miller, Salisbury University

COMMUNICATION SCIENCES & DISORDERS

Wellness Center - Kiosk 20 Side A

Observing Sensory Processing and Social Communication Patterns in Neurodiverse Populations

Sarah Tracey, Ithaca College

Wellness Center - Kiosk 20 Side B

Syntactic Complexity of Narratives Produced by Typically Developing Children Ages 4-7

Madeline Peterson, Utah State University

Wellness Center - Kiosk 20 Side C

The Effect of Noise on the Speech Intelligibility of Electrolaryngeal Speakers

Kimberly McNicholl, Adelphi University

Wellness Center - Kiosk 38 Side A

Use of iPad and Mobile Devices in Children with Autism Spectrum Disorders: A Systematic Review

Anna Ebert, Oklahoma State University

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

Wellness Center - Kiosk 38 Side C

Concussion Training Programs in High School Athletic Programs

Erin Lyman, University of Wisconsin - Whitewater

COMMUNICATIONS

Wellness Center - Kiosk 11 Side A

Embracing Social Responsibility in the Digital Age: How the Walt Disney Company Communicates Corporate Citizenship Through Social Media and Storytelling

Kasey Andrade, Bridgewater State University

Wellness Center - Kiosk 11 Side B

Girls (Boys) Innovation Academy

Emily Cox, Salisbury University

Wellness Center - Kiosk 11 Side C

The Effect of Campus Alcohol Policies and Stress on College Binge Drinking

Alex Gabriele, Eastern Connecticut State University

Wellness Center - Kiosk 40 Side A

Alternative Justice: Can African American Films Facilitate Viewers' Positive Image of Black Americans?

Kirsten Owens, Clark Atlanta University

Wellness Center - Kiosk 40 Side B

Examination of Media Biases and the Public's Perception

Randolph Harvey Jr., University of Wisconsin - Whitewater

Wellness Center - Kiosk 40 Side C

Swipe Right!: Online Dating and College Students

Hayley Mangan, Eastern Connecticut State University

COMPUTER SCIENCE

Wellness Center - Kiosk 3 Side A

An Automated Case Notes System for Psychiatrists Using Machine Learning

Nazmul Kazi, Montana State University Bozeman

Wellness Center - Kiosk 3 Side B

CSPs Applied to UAV Flight Navigation for Applications Within the ASSURE Center for Excellence in UAS at ERAU-DB

Courtney Thurston, Embry - Riddle Aeronautical University

Wellness Center - Kiosk 3 Side C

Implementing a Web App for SQL Query Evaluation

Bikram Paudel, University of Central Oklahoma

Wellness Center - Kiosk 8 Side A

Development of a Visual PID Positioning Algorithm for a Table-Top Robot

Jordan Miller, Austin PEAY State University

Wellness Center - Kiosk 8 Side B

Revolutionizing Hybrid Parallelization Through Data Communication Techniques

Asare Nkansah, University of Kentucky

Wellness Center - Kiosk 8 Side C

Wall Clock Time of the National Center for Atmospheric Research's Weather Research and Forecasting Model

Jacob Miller, Southwestern Oklahoma State University

Wellness Center - Kiosk 10 Side A

Automated Bird Roost Detection Using NEXRAD Radar Data and Artificial Neural Networks

Katherine Avery, University of Oklahoma Norman Campus

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

Wellness Center - Kiosk 10 Side C

Intrusion Detection Using Machine Learning

James Finn, State University of New York-Brockport

Wellness Center - Kiosk 33 Side A

Unsupervised Learning Algorithm for Image Classification

Eric Tran, Kennesaw State University

Wellness Center - Kiosk 33 Side B

Using Long Short Term Memory Network to Train Machine Composing Baroque Fugue/Canon

Yihe Chen, Susquehanna University

ECONOMICS

Wellness Center - Kiosk 47 Side A

Examining the Relationship Between an Increase in the Minimum Wage Rate and the High School Dropout Rate In Eastern Pennsylvania and Western New Jersey

Nathan Arnold, Moravian College

Wellness Center - Kiosk 47 Side B

Gasoline, Emergency Medical Services, and Cross-Price Elasticity of Demand in the Urban Setting

Nathaniel Andrews, Western Carolina University

Wellness Center - Kiosk 47 Side C

Not on My Lawn: The Effects of the Minnesota's Phosphorus-Free Fertilizer Law on Surface Water Quality

Andrew Hutchens, University of Central Florida

EDUCATION

Wellness Center - Kiosk 23 Side B

Differentiated Reading Instruction: Strategies To Reach All Students

Jennifer Rogerson, Bridgewater State University

Wellness Center - Kiosk 23 Side C

Missing Boys: The Limited Portrayal of African American Males in Children's Books

Mychaelon Mullins, University of Central Oklahoma

Wellness Center - Kiosk 28 Side A

Educational Equity in Michigan

Leanne Olona, University of Michigan

Wellness Center - Kiosk 28 Side C

Teacher Perceptions and Effects of Sustained Silent Reading

Elaina Eddy, University of Nebraska at Kearney

ENGINEERING/ENGINEERING TECHNOLOGY

Wellness Center - Kiosk 54 Side A

Project Sustainability - Fog Collection

Danh Nguyen, San Jacinto College Honors Program

Wellness Center - Kiosk 54 Side B

Self-Folding of Smart Soft Materials

Victoria Ruskowski, Oklahoma State University

Wellness Center - Kiosk 55 Side A

Fabrication of Dense UO₃ Pellets for Neutron Detection Applications

Jessica Ossyra, University of Tennessee at Knoxville

Wellness Center - Kiosk 55 Side B

Investigations of the Mechanical Properties of Chordae Tendineae of Atrioventricular Heart Valves

Colton Ross, University of Oklahoma Norman Campus

Wellness Center - Kiosk 55 Side C

Scaffold Manufacturing by 3D Printing: Cobalt Chrome - Hydroxyapatite Biocomposite

John Ruprecht, Minnesota State University, Mankato

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

ENVIRONMENTAL STUDIES & SCIENCES

Wellness Center - Kiosk 41 Side B

Expanding the Indicator Bacteria Concept: Generation of an Indicator Bacteria Scale to Predict Overall Ecosystem Health in Impaired Environmental Waters

Casey Gailey, Longwood University

HEALTH SCIENCES & PUBLIC HEALTH

Wellness Center - Kiosk 31 Side A

China's Influenza Fears: A Wake Up Call From the Past

Tyler Rapp, University of North Carolina, Charlotte

Wellness Center - Kiosk 31 Side B

A New Kind of Dental HIGHgiene

Briannah Baxter, Westmoreland County Community College

Wellness Center - Kiosk 31 Side C

Determination of Ochratoxin A in Kentucky Black Walnuts

Bryce Forry, Asbury University

Wellness Center - Kiosk 38 Side B

Assessment of Clinical Practices Used by Speech-Language Pathologists to Measure the Impact of Stuttering on Preschool Age Children and Their Families

Victoria Showalter, University of Oklahoma Health Sciences Center

Wellness Center - Kiosk 51 Side A

The Institutional Review Board Process: Data Ownership and Ethics

Tyler Scullawl, University of Central Oklahoma

Wellness Center - Kiosk 51 Side B

Unequal Partners: A Pilot Evaluation Project in Harrisonburg High School

Katherine Kowalk, James Madison University

Wellness Center - Kiosk 51 Side C

Working with Communities: A Methodical Approach to Community Research

Justin Goff, University of Central Oklahoma

Wellness Center - Kiosk 53 Side A

Evaluation of Intimate Partner Violence Curriculum in Residency Training Programs

Jazmine Hurley, University of Utah

Wellness Center - Kiosk 53 Side B

Human Trafficking and Medical Education

Oksana Doubrovski, Wayne State University

Wellness Center - Kiosk 56 Side A

Your Snore Might Mean More

Allison Arendas, Westmoreland County Community College

Wellness Center - Kiosk 56 Side B

Stuck in a Rut: Fixed Vs. Growth Mindset in Health Promotion

Kate Mohr, University of Central Oklahoma

Wellness Center - Kiosk 56 Side C

The Impact of Breastfeeding on Temperament of Babies Up to Six Months of Age

Jessica Hastings Ereth, Gustavus Adolphus College

Wellness Center - Kiosk 59 Side A

Recovery: Mental and Substance Use Disorders in Oklahoma

Giang Doan, University of Central Oklahoma

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

Wellness Center - Kiosk 59 Side B

Assessing the Needs of Our Communities: Oklahoma City Housing Authority Data Collection Process

McKayla Johnson, University of Central Oklahoma

HISTORY

Wellness Center - Kiosk 21 Side A

Mental Illness in Early 20th Century Mexico

McKenna Williamson, West Virginia University

Wellness Center - Kiosk 21 Side B

The Limits of Being a Woman: Ida Tarbell and the Role of Anti-Suffrage Thought

Emily Burgess, Southwestern Oklahoma State University

Wellness Center - Kiosk 21 Side C

Study of Public Opinion Changes Through Media, on Terrorism

Jordyn Horvath, University of Wisconsin - Stout

INFORMATION TECHNOLOGY

Wellness Center - Kiosk 13 Side B

Understanding Valuation of Personal Information

Lane Skutt, Indiana University

INTERDISCIPLINARY STUDIES

Wellness Center - Kiosk 13 Side A

Air Traffic Control Privatization ... Legally Speaking ... A Good Idea?

Michael Ledermann, Embry-Riddle Aeronautical University

KINESIOLOGY & EXERCISE SCIENCE

Wellness Center - Kiosk 35 Side A

Relationship Between RFD and Correlates of Muscle Contraction Across a Velocity Spectrum

Alexander Olczak, State University of New York-Brockport

Wellness Center - Kiosk 35 Side C

The Effect of Beet Juice on the Free Radical Concentration In Athletes

Sydney Hallmark, Gustavus Adolphus College

Wellness Center - Kiosk 58 Side A

Task Prioritization of the Dual-Task Tandem Gait Concussion Assessment in Collegiate Male Student Athletes

Zachary Lahti, University of Wisconsin - Eau Claire

Wellness Center - Kiosk 58 Side B

The Effects of a Sit-to-Stand Workstation on Waist Circumference After 6-Months

Cara Daniels, University of Central Oklahoma

Wellness Center - Kiosk 58 Side C

Do Low Cost Shoes Have Any Negative Musculoskeletal Impacts on the Knee and Foot in Comparison to More Expensive Shoes?

Yashwant Mirajkar, Virginia Commonwealth University

MANAGEMENT

Wellness Center - Kiosk 45 Side A

Head+Heart=Hustle: Exploring the Relationship Between Board Performance and Organizational Success

Shadane Franklin, Siena College

Wellness Center - Kiosk 45 Side B

Pay and Policy Transparency in the Workplace

Emilee Costner, University of Central Oklahoma

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

Wellness Center - Kiosk 45 Side C

Vacation Policy Structure: How To Keep Employees Happy and the Company Profitable

Ashley Hurrell, State University of New York-Brockport

MARKETING

Wellness Center - Kiosk 17 Side A

Does Device Type (Smartphone vs. Computer) Affect Consumers' Perceived Risks and Benefits of Advertised Pharmaceuticals?

Trista Blouin, University of West Florida

Wellness Center - Kiosk 17 Side B

Exploring the Relationship Between the Millennial Generation and the Housing Market

Katelyn Switzer, Carthage College

Wellness Center - Kiosk 17 Side C

Motivations Behind Undergraduate Volunteerism

Haley Histon, Lander University

MATHEMATICS

Wellness Center - Kiosk 12 Side A

Evaluating Whether Online Reviews Influence Airline Choice

Ange-Christelle Kouadio, University of Central Oklahoma

Wellness Center - Kiosk 12 Side B

Relating Poisson-Nernst-Planck Equations to Fick's Law

Shawn Stratte, Eastern Washington University

Wellness Center - Kiosk 12 Side C

Quantifying the Distribution of Urban Vegetation Based on Google Street View Images

Adam Honts, University of Wisconsin - Milwaukee

Wellness Center - Kiosk 39 Side A

Wind Speed and Intensity of Tornadoes Compared From East to West In Oklahoma

Vincent Mai, University of Central Oklahoma

Wellness Center - Kiosk 39 Side C

The Mathematical Modeling of Dengue Fever and Its Economic Impact to a Socialist Country Such as Sri Lanka

Alexandra Grasz, Elon University

MUSIC

Wellness Center - Kiosk 6 Side A

The Works of Peter Ritter

Dylan van Vierssen, George Mason University

NEUROSCIENCE

Wellness Center - Kiosk 1 Side B

Direct Brain Recordings from Children and Adolescents Reveal Diverse Patterns of PFC Involvement in Memory Formation

Mohsyn Malik, Wayne State University

Wellness Center - Kiosk 29 Side A

Effectiveness of Levetiracetam Monotherapy in Pediatric Patients with Epilepsy

Rafal Mazur, University of Rochester

Wellness Center - Kiosk 29 Side C

Plasticity of 5HT1B and 5HT1D Receptor Expression in Human Dental Pulp Across the Menstrual Cycle: A Potential Role of Hormones on Trigeminal Pain

Sushmitha Ananth, Texas Woman's University

Wellness Center - Kiosk 42 Side C

Subthalamic Nuclei Gamma Frequency Deep Brain Stimulation for Parkinsonian Non-Human Primate

Michelle Chu, University of Minnesota, Twin Cities

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

NURSING

Wellness Center - Kiosk 42 Side A

Compassion Fatigue in Oklahoma City Nurses

Sabrina Simmons, University of Central Oklahoma

Wellness Center - Kiosk 42 Side B

Factors Influencing Healthcare Professionals' Motivation to Work with Patients with At-Risk Alcohol and Other Drug (AOD) Use: A Current Review of Literature

Kira Griffith, University of Pittsburgh

NUTRITION

Wellness Center - Kiosk 7 Side A

Collaboration Between the UCO Nutrition Program and Athletics to Promote Healthy Habits in Student Athletes

Patrick Limon, University of Central Oklahoma

Wellness Center - Kiosk 7 Side B

Effects of Maternal Fish Oil Supplementation on Metabolic Syndrome and Liver Inflammation in Offspring

STEPHANI CLEVENGER, Texas Tech University

Wellness Center - Kiosk 7 Side C

Impact of Calorically Dense Diets on the 24-hour Rhythmicity of Hippocampal Signaling Molecules

Hira Munir, University of Alabama at Birmingham

PHYSICAL/OCCUPATIONAL THERAPY/SPEECH LANGUAGE PATHOLOGY

Wellness Center - Kiosk 50 Side B

Parental Perceptions of the Transition to Adulthood for Their Children with Special Needs

Annamayil Manohar, Texas Woman's University

Wellness Center - Kiosk 50 Side C

Study of Histological Changes in the Soleus Muscle Post Hemorrhagic Stroke

Samantha Mussehl, University of Minnesota, Twin Cities

PHYSICS

Wellness Center - Kiosk 2 Side B

Detecting Vacuum Birefringence: Why Two Lasers Are Better Than One

Gabriel Alberts, University of Florida

PSYCHOLOGY

Wellness Center - Kiosk 14 Side C

Relationship Between Smartphone Apps on Social Capital and Social Isolation in America

Lindsay Kastroll, California University of Pennsylvania

Wellness Center - Kiosk 19 Side A

Rigidity of Romantic Partner Expectations for Growth and Destiny Theorists

Kayla Yellen, University of Rochester

Wellness Center - Kiosk 19 Side C

The Influence of Framing on Appraisal

Rebecca Davis, Albright College

Wellness Center - Kiosk 22 Side A

Negative Appraisal Bias Moderates the Association Between Co-rumination and Depression Among Adolescents

Emily Scarpulla, University of Rochester

Wellness Center - Kiosk 22 Side B

Preference Differences for Portrait Photographs Between East and West

Elicia Lastra, Dominican University of California

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

Wellness Center - Kiosk 22 Side C

Social Adjustment and Closeness to God in the First Year

Brittany Chess, Indiana State University

Wellness Center - Kiosk 24 Side B

Student Perceptions of Capacity for Growth in Cognitive and Creative Abilities

Hannah Anderson, University of North Carolina - Asheville

Wellness Center - Kiosk 24 Side C

Assessing Current Supports for LGBTQ+ Students in Rural and Semi-Rural Schools in Central and Southern Minnesota

Alexandria Dobson, Minnesota State University, Mankato

Wellness Center - Kiosk 36 Side A

The Effects of Negative Expectancy Violations During Social Interactions

Talia Cohavi, University of Rochester

Wellness Center - Kiosk 36 Side B

Replication and Extension of Burgess and Cornell, 2016: Does Choice of Game Affect Perceptions of Aggression and Threat

Aaron Cornell, Southwestern Oklahoma State University

Wellness Center - Kiosk 36 Side C

People's Beliefs About Animacy Do Not Inform Their Memory Judgments

Shelby McMinn, Texas Tech University

Wellness Center - Kiosk 46 Side A

How Ethnic Identity Impacts Suicidality Through Perceived Burdensomeness Among Hispanic Young Adults

Marcos Gallegos, Southern Nazarene University

Wellness Center - Kiosk 46 Side C

Prevalence of Somatic Complaints in Children with ADHD

Sarah Hartmann, University of Louisville

Wellness Center - Kiosk 48 Side A

The Effects Perception of Personal Capability and Group Membership Have on the Likelihood of Forgiveness

Riane Wroblewski, North Central College

Wellness Center - Kiosk 48 Side B

International Students' Challenges and Opportunities

Shing Yee Bay, University of Wisconsin - Eau Claire

Wellness Center - Kiosk 49 Side A

Prejudice Associated with Intellectual Disabilities

Bre'Ana Byrd, University of Central Oklahoma

Wellness Center - Kiosk 49 Side B

Relevance of the KIBRA T Allele in Hippocampal Subfield Volumes and Memory Performance in Development

Urvashi Gupta, Wayne State University

Wellness Center - Kiosk 57 Side A

The Influence of Race and Gender in Children's Reactions to the 2016 Presidential Election

Devyn Thompson, University of Kentucky

Wellness Center - Kiosk 57 Side B

Willingness to Pay for Social and Non-Social Rewards

Joanne Stasiak, Adelphi University

Wellness Center - Kiosk 57 Side C

Worldview and Demographic Differences in

STUDENT POSTER SESSION 7 - FRI 1:30PM-2:30PM

Viewing Paranoid and Secure Types of Horror: A Test of the Integrated Interactive Theory of Horror.

Kathryn Spence, Lander University

Wellness Center - Kiosk 61 Side A

Motivational Imagery and Its Relationship with Leadership, Self-Efficacy and Self-Confidence in Athletes

Ryan Traub, Susquehanna University

Wellness Center - Kiosk 61 Side B

Does Perceived Wealth Inequality Influence People's Attitudes Toward Being Greedy?

Kendall Brown, University of Kentucky

Wellness Center - Kiosk 61 Side C

Memory of Love for Parents Among Black and White College Students

Corai Jackson, University of Southern Mississippi

SOCIOLOGY

Wellness Center - Kiosk 9 Side B

How Do You Like Me Now?: An Examination of College Student's Use of Social Media Sites

James Wheeler III, Bridgewater State University

Wellness Center - Kiosk 15 Side A

Respondents' Considerations in Rating Self-Health

Alekya Lingamaneni, University of Michigan

Wellness Center - Kiosk 15 Side B

The Social Psychological Effects of Living in an Urban Milieu

Nicole Cuba, University of Wisconsin - Parkside

Wellness Center - Kiosk 15 Side C

Refugee and Immigrant Success Event (RISE)

Sarah Isaacs, Tarrant County College District

SOFTWARE ENGINEERING

Wellness Center - Kiosk 13 Side C

The Effects of Inverted Game Controls on Default Control Users

Anthony Onukwuli, Kennesaw State University

VISUAL ARTS

Wellness Center - Kiosk 6 Side B

Glass Casting and Inclusions

Mary Abbott, University of Wisconsin - Whitewater

Wellness Center - Kiosk 6 Side C

The Influence of Visual Rhetoric

Nicole Escamilla Guardiola, Northern Arizona University

WORLD LANGUAGES

Wellness Center - Kiosk 30 Side A

North Central College Students Learning Mandarin Chinese

Joy Herzog, North Central College

Wellness Center - Kiosk 30 Side B

Ownership of Learning in Language for Specific Purposes (LSP) vs. Traditional Classroom Settings

Kennedy Smith, Virginia Military Institute

STUDENT POSTER SESSION 8 - FRI 2:45PM-3:45PM

STUDENT POSTER SESSION 8 - FRI 2:45PM-3:45PM

ART HISTORY

Wellness Center - Kiosk 40 Side B

*Absurdity as Trauma: An Examination of
Maryan's Personages*

Blair Summers, University of Central Oklahoma

Wellness Center - Kiosk 40 Side C

*Life in Nazi Germany Through the Eyes of
Two Jewish Painters, Charlotte Salomon and
Lucian Freud*

Sarah Blank, University of Central Oklahoma

BIOCHEMISTRY

Wellness Center - Kiosk 14 Side A

*Enzymatic Inhibition Studies of Histone
Deacetylase (HDAC) 1 and 8 by a Dihy-
droxamic Acid Derivative*

Luke Bayless, Northeastern State University

Wellness Center - Kiosk 14 Side B

*Identifying Proteins in Alcoholic Fatty Liver
Disease*

Sunny Vuong, St. Olaf College

Wellness Center - Kiosk 14 Side C

*Personalized Diagnosis for Lafora Disease, a
Fatal Epilepsy*

Jeremiah Wayne, University of Kentucky

Wellness Center - Kiosk 27 Side A

*Isolation and Identification of Bacillus
anthracis and Aeromonas jandae Inhibi-
tion-Component of Water Mold Growth*

Asma Al-Odaini, North Central College

Wellness Center - Kiosk 27 Side B

PH Dependent Activity in Phenoxazinone

Synthase (PHS) Models

Jeffrey McVay, University of Minnesota, Duluth

Wellness Center - Kiosk 27 Side C

*Raman Microspectroscopic Study of Phospho-
lipid Membranes and Their Interaction with
Biomolecules*

Samuel Braziel, Iona College

BIOLOGICAL ENGINEERING

Wellness Center - Kiosk 52 Side A

*Viscoelastic Heating of Bovine Intervertebral
Disc*

Harrah Newman, University of Rochester

Wellness Center - Kiosk 52 Side B

*In Vivo and In Vitro Analysis of Cardiac Tro-
ponin I Phosphorylation*

Kwabena Obiekwu, University of Michigan

Wellness Center - Kiosk 52 Side C

*Creation of an Apparatus to Investigate the
Flow Characteristics Through Artificial Heart
Valves*

Dakotah Revai, Beloit College

BIOLOGY

Wellness Center - Kiosk 16 Side A

*Application and Evaluation of a Novel Cervi-
cal Artificial Insemination System for Sheep*

Montana Lins, University of Wisconsin - River Falls

Wellness Center - Kiosk 16 Side B

*Bovine Carotid Artery Patch Helps Reduce the
Incidence of Renal Artery Stenosis in Living
Kidney Transplants*

Jasmine Boone, University of South Florida

Wellness Center - Kiosk 16 Side C

Differences in Gut Microbiota Profiles Be-

tween College Athletes and Nonathletes

Marc Gibson, Elon University

Wellness Center - Kiosk 20 Side A

*Association Between Sea Turtle Nesting Densi-
ty and Nighttime Light: a Geospatial Study*

Daniel Gartin, University of West Florida

Wellness Center - Kiosk 20 Side B

*Bioactive Fungal Screening to Find Efficient
Biomass-Degrading Enzymes*

Uriel Vasquez Rios, Hamline University

Wellness Center - Kiosk 20 Side C

*Do Sally Lightfoot Crabs (Grapsus grapsus)
Segregate Themselves Relative to the Intertidal
Splash Zone?*

Payton Lenz, College of Saint Benedict/ St. John's
University

Wellness Center - Kiosk 39 Side A

*Molecular Characterization of Bacteriophage
HMSP-1, a Virus That Infects Nitrogen-Fixing
Bacteria*

Aldina Imamovic, Hamline University

Wellness Center - Kiosk 39 Side B

*Pollen Size as an Indicator of Ploidy Level in
Rhexia, a Small Genus of Flowering Plants
Endemic to the North American Coastal Plain,
in North Florida and Coastal Georgia*

Autumn Czander, Georgia College and State Univer-
sity

Wellness Center - Kiosk 46 Side A

*Alternative Splicing During Adipocyte Differ-
entiation*

Peter Giangrasso, State University of New York-Brock-
port

STUDENT POSTER SESSION 8 - FRI 2:45PM-3:45PM

Wellness Center - Kiosk 46 Side B

*Association Between Plasma Cholesterol Levels
and the Development of Xanthomas, Malaise,
and Inappetance in Cynomolgus Monkeys*

Morgan Kelly, University of Kentucky

CHEMICAL ENGINEERING

Wellness Center - Kiosk 5 Side A

*Recovery and Quantification of Lignin in
Panacium virgatum*

Coy Zimmermann, Montana State University Boze-
man

Wellness Center - Kiosk 5 Side B

*Computational and Experimental Characteri-
zation of Lithium Ion Polymer Electrolytes*

Clay Elmore, Notre Dame University Of

CHEMISTRY

Wellness Center - Kiosk 28 Side A

*Water Permeability of Asymmetric Droplet
Interface Bilayer*

Brona O'Sullivan, Iona College

Wellness Center - Kiosk 34 Side A

*Synthesis and Structure-Activity Relationship
of Alpha-Quaternary Amino Acids as LAT1
Substrates*

Brooklynn Venteicher, University of Nebraska at
Kearney

Wellness Center - Kiosk 34 Side B

*The Synthesis of Polyaluminum Oxy-hydroxide
Clusters in Aqueous Conditions Using a Disso-
lution Process*

Christopher Graves, University of Central Oklahoma

Wellness Center - Kiosk 34 Side C

*Understanding the Unusual Redox Behavior in
the Defect Garnet Type Y₂(MoO₄)₃*

Joseph Stiles, University of Southern California

STUDENT POSTER SESSION 8 - FRI 2:45PM-3:45PM

Wellness Center - Kiosk 37 Side A

Disilylation of Aldehydes and Ketones Using a Copper Catalyst

Wendell Kirkman III, Indiana State University

Wellness Center - Kiosk 37 Side B

Identification of Photochemicals in Moringa Oleifera

Franchesca Uribe-Rheinbolt, Appalachian State University

Wellness Center - Kiosk 37 Side C

Optimizing the Rapid Synthesis of Highly Substituted Oxazoles

Abhishek Purohit, Salisbury University

Wellness Center - Kiosk 43 Side A

Dry Hopping Versus Steam Distilled Essential Hop Oils: Impact on the Final Aroma, Flavor, and Essential Oil Composition of Beer

Logan Hamm, Appalachian State University

Wellness Center - Kiosk 43 Side B

Evaluating North-South Gradients in Ozone Concentrations Via Mobile Platform as a Part of the 2017 Lake Michigan Ozone Study

Makenna Shaske, University of Wisconsin - Eau Claire

Wellness Center - Kiosk 43 Side C

Linking Pb, Temperature, K⁺ Concentration and Conformation for the Dna I-motif

Tra Nguyen, Texas Woman's University

COMMUNICATION SCIENCES & DISORDERS

Wellness Center - Kiosk 6 Side A

3D Modeling and Novel Mixed Material Fused Deposition Modeling (FDM) to Produce an Anatomically Realistic and Physiologically

Functional Larynx and Improve Student Learning

Julia Clayton, University of Wisconsin - Whitewater

Wellness Center - Kiosk 18 Side A

Breast and Bottle Feeding Strategies for Infants with Cleft Lip and Palate

Amanda Mich, Elmhurst College

Wellness Center - Kiosk 18 Side B

Elaborative Noun Phrase Use in Narratives by School Age Children

Aubrey Passey, Utah State University

Wellness Center - Kiosk 18 Side C

The Use of Electropalatography and Traditional Articulation Therapy in Remediating Persistent Speech Sound Errors: A Case Study

Kathrin Roberts, University of Nebraska at Kearney

COMPUTER SCIENCE

Wellness Center - Kiosk 25 Side A

Computer-Assisted Discovery of Small-Molecule Cancer Immunotherapeutics

Jeremy Hofer, Widener University

Wellness Center - Kiosk 25 Side B

Human Pose Classification and Body Part Estimation with Bayesian Models

Aaron Helmers, Milwaukee School of Engineering

Wellness Center - Kiosk 25 Side C

The Key To Cryptography: Attacking The Large Prime Numbers

Clifton Robinson, Bridgewater State University

ECOLOGY & ORGANISMAL BIOLOGY

Wellness Center - Kiosk 11 Side A

Anthropogenic Debris Consumption by Wet-

STUDENT POSTER SESSION 8 - FRI 2:45PM-3:45PM

land Fishes

Ricardo DeSantiago, San Diego State University

Wellness Center - Kiosk 11 Side B

Eastern Bluebirds (Sialia sialis) Use Color Patterning, but Not the Colors Themselves, as a Cue to Recognize Parasitic Eggs

Maya Stine, Lafayette College

Wellness Center - Kiosk 11 Side C

Predator Kill Zones: Wolf Spiders Chemically Detect Where a Predator Has Killed a Conspecific and Responds Adaptively

Eric Pressler, Susquehanna University

ELECTRICAL ENGINEERING

Wellness Center - Kiosk 32 Side A

Physarum Polycephalum Growth Monitor and Optical Coherence Tomography System

Daniel McGrath, Loyola Marymount University

Wellness Center - Kiosk 32 Side B

Wireless Power Transfer for Internet-of-Things

Jonathan Levy, Kennesaw State University

ENGINEERING/ENGINEERING TECHNOLOGY

Wellness Center - Kiosk 3 Side A

2D Multiframe Vision Palletizing

Tyler Stephens, Eastern Washington University

Wellness Center - Kiosk 3 Side B

Bioprotective Layer for Corrosion Control

Sammy Hassan, Iowa State University

Wellness Center - Kiosk 8 Side A

Detection and Impact of 3-D Roughness on PGE-M Protein Immobilization

Anindita Das, University of Central Oklahoma

Wellness Center - Kiosk 8 Side B

Flow Visualization and Velocity Measurements in Low Viscosity Jets

Ian Wright, University of Minnesota, Twin Cities

Wellness Center - Kiosk 23 Side B

Emergency Nuclear Reactor Shutdown Effects on the Power Grid

Lakota Griffis, Kennesaw State University

Wellness Center - Kiosk 23 Side C

Locomotion Patterns Following Ischemic Stroke in Mice

Hannah Thornburg, University of North Carolina, Chapel Hill

Wellness Center - Kiosk 41 Side C

Quasi-static Bubble Formation Due to Surface Cavities

Chih-Hsuan Hung, University of Kentucky

ENVIRONMENTAL STUDIES & SCIENCES

Wellness Center - Kiosk 29 Side A

Effects of Nickel and CDDO-ME on the Migration and Viability of Breast Cancer Cells

Kyle Luo, University of Kentucky

Wellness Center - Kiosk 29 Side B

Plastic, the Silent Killer

Shaylyn Thompson, University of West Florida

Wellness Center - Kiosk 29 Side C

The Feasibility of Aquaponics in Urban Food Deserts

Lisa Niederman, Ithaca College

STUDENT POSTER SESSION 8 - FRI 2:45PM-3:45PM

Wellness Center - Kiosk 49 Side A

Ghost Forest Rising: A Hyperspectral Approach to Assessing Vegetation Health and Tree Die-Off in Response to Saltwater Intrusion in a Coastal Environment

Lizzie Lightning, Northeastern State University

Wellness Center - Kiosk 49 Side B

Water Quality Analysis Within Pawnee Nation of Oklahoma

Marly Fixico-Hardison, Oklahoma State University

FILM/PHOTOGRAPHY STUDIES

Wellness Center - Kiosk 9 Side A

Loving The Idea Of Her; Fincher's Feminist Film

Madison McNamara, Chaminade University of Honolulu

Wellness Center - Kiosk 9 Side B

Monstrosity in Ignorance: How Inhuman Film Monsters Represent Humanity's Fear of the Unknown

Joshua Blattenberger, California University of Pennsylvania

Wellness Center - Kiosk 9 Side C

The Bascom: More Than a Museum

Lindsay Kappius, Western Carolina University

GEOGRAPHY & EARTH SCIENCES

Wellness Center - Kiosk 51 Side A

New Model for the Formation of Pit Chains on Venus

Calder Patterson, Carleton University

Wellness Center - Kiosk 51 Side B

GIS of West Lead Societal Cemetery

Katie-Lynn Sarchet, Black Hills State University

Wellness Center - Kiosk 51 Side C

Spatial Distribution of Crayfish on Sapelo Island, GA

Melissa Creviston, Georgia College and State University

HEALTH SCIENCES & PUBLIC HEALTH

Wellness Center - Kiosk 33 Side A

Investigating the Acute Effects of Social Smoking on Vitals in Young Adults

Matthew Bjork, Hamline University

Wellness Center - Kiosk 33 Side B

Relationship Between Alcohol Consumption & Fluid Intelligence

Lamuel Bean, Miami University

Wellness Center - Kiosk 33 Side C

Hepatitis B Virus Contact Testing in Lusaka, Zambia: a Mixed Methods Analysis

Sarah Franklin, University of Alabama at Birmingham

HISTORY

Wellness Center - Kiosk 56 Side A

Cold War in the Classroom: Effects of the Cold War on Public Education Curriculum

Amanda Pineo, Bridgewater State University

Wellness Center - Kiosk 56 Side B

Lipan Apache: Sovereignty Through Mobility

Rebecca Yacyszyn, Rose State College

Wellness Center - Kiosk 60 Side A

An Analysis of the Use of the Word Feminism in Major US Newspapers During the Women's Liberation Movement in America

Emma Lawson, Westminster College

STUDENT POSTER SESSION 8 - FRI 2:45PM-3:45PM

Wellness Center - Kiosk 60 Side B

From Barbary to Pastime: Football Reform in the Progressive Era

Bailey McKay, Southwestern Oklahoma State University

INTERDISCIPLINARY STUDIES

Wellness Center - Kiosk 7 Side A

Lyrical Expression of Shame In Country Music

Nancy Aguilera, University of California - Merced

Wellness Center - Kiosk 7 Side B

Two and a Half Minutes to Midnight: A New Nuclear Arms Race on the Horizon

Blake Butschek, Lone Star College System The Honors College

Wellness Center - Kiosk 7 Side C

Smoke and Mirrors: Industrial Pollution, Public Ignorance, and Scientific Literacy

Anthony D'Souza, Lone Star College System The Honors College

INTERNATIONAL STUDIES

Wellness Center - Kiosk 21 Side A

Transboundary Water Governance: Evaluating Institutional Capacity and Accountability

Anna Yurkova, Susquehanna University

Wellness Center - Kiosk 21 Side B

Volunteerism: Can Short Term Service Trips Produce Socially Active Citizens?

Sarah Walker, Hendrix College

KINESIOLOGY & EXERCISE SCIENCE

Wellness Center - Kiosk 30 Side A

The Effects of Surface Texture on a Variety of Balance Assessments

Lydia Clement, Georgia College and State University

Wellness Center - Kiosk 30 Side B

Relationships Among Resting Metabolic Rate, Fat Free Mass, and Bone Density

Kiersten Bredeson, Gustavus Adolphus College

Wellness Center - Kiosk 45 Side A

XROMM Analysis of Axial Skeletal Kinematics During Terrestrial Locomotion in the Savannah Monitor, Varanus Exanthematicus

Samuel Hatch, University of Utah

Wellness Center - Kiosk 45 Side B

Weight Perception, Body Composition, and Dietary Practices in College Age Students

Meagan Richardson, Elon University

Wellness Center - Kiosk 45 Side C

The Use of Exercise to Delay Symptoms of Parkinson's Disease and Raise Individual Quality of Life

Mackenzie McKnight, Capital University

MATHEMATICS

Wellness Center - Kiosk 4 Side C

A Structural Analysis of the Web

Joe Paulsen, University of Minnesota, Duluth

Wellness Center - Kiosk 36 Side A

Female Educators in Mathematics

Julia Messner, University of Central Oklahoma

Wellness Center - Kiosk 36 Side B

Intentional Walk Rule Change Aftermath

Collin Kannenberg, University of Wisconsin - White-water

MICROBIOLOGY & IMMUNOLOGY

Wellness Center - Kiosk 35 Side A

Clq Expression During Sepsis

Sidney Duquette, University of Rochester

STUDENT POSTER SESSION 8 - FRI 2:45PM-3:45PM

Wellness Center - Kiosk 35 Side B

Isolation and Whole-Genome Sequencing of Environmental and Agricultural Campylobacter

Dana Franklin, Fisk University

Wellness Center - Kiosk 35 Side C

NK Cell Cytokine Production and Phosphorylation in Lymphangiomyomatosis

Morgan Terry, University of Alabama at Birmingham

NEUROSCIENCE

Wellness Center - Kiosk 12 Side A

Correlational Striatal PiB Binding with Age in Down Syndrome Subjects Across the Lifespan

Jourdan Owens, University of Kentucky

Wellness Center - Kiosk 12 Side B

Great, Green, Glowing Worms: The Insulin/IGF-1 Signaling Pathway Regulates C. Elegans Feeding Behavior

Nicole Gousy, Bay Path University

Wellness Center - Kiosk 12 Side C

Adolescent Chronic Escalating Morphine Effects in Perineuronal Nets in the Orbital Frontal Cortex

Roxana Velasquez, Southern Nazarene University

Wellness Center - Kiosk 26 Side A

Regulation of Physiological Responses and Social Stress: the Effects of Compassion Meditation During Stress Paradigms in Virtual Reality

Karianne Sretavan Wong, University of Rochester

Wellness Center - Kiosk 26 Side B

Modulation of Fear Memory Extinction by Prelimbic SK Channels

Ronitthe Senatus, Florida Atlantic University

Wellness Center - Kiosk 26 Side C

Intensity Matters: Perineuronal Nets Remodeling in Naloxone-precipitated Morphine Withdrawal on Female Adolescent Rats

Ashley Brown, Tulsa Community College

Wellness Center - Kiosk 55 Side A

Assessing the Role of PERK in Traumatic Brain Injury

Emad Chishti, University of Kentucky

Wellness Center - Kiosk 55 Side B

Comparative Analysis of the Sensitivity and Specificity of Ser(P)-129 α -synuclein Monoclonal Antibodies

Sidhanth Chandra, University of Alabama at Birmingham

Wellness Center - Kiosk 55 Side C

Exploring the Effect of PI-88 on IFN- γ Induced Pathological Quiescence in OPCs

Beverly DiCorso, University at Buffalo, State University of New York

Wellness Center - Kiosk 58 Side A

Increase in Hippocampal Microglia After Non-dependent Ethanol Binge

Eva Greengrove, High Point University

Wellness Center - Kiosk 58 Side B

Examining Autoreceptor Function in the Nucleus Accumbens

Nick Paige, University of Memphis

NURSING

Wellness Center - Kiosk 17 Side A

A Growing Epidemic of Anti-Vaccinations

April York, University of Central Oklahoma

STUDENT POSTER SESSION 8 - FRI 2:45PM-3:45PM

Wellness Center - Kiosk 61 Side A

Examining the Relationship Between Undergraduate Nursing Students' Stigma Perceptions and Their Motivation to Provide Care to Patients with At-Risk Opioid Use.

Carolyn MacFarland, University of Pittsburgh

Wellness Center - Kiosk 61 Side B

Adolescents and Sexual Health

Devyn Perkins, University of Central Oklahoma

NUTRITION

Wellness Center - Kiosk 42 Side B

Influence of Meal Caloric Distribution in Metabolic Syndrome Parameters Among College Students

Alexis Elinkowski, Weber State University

PHILOSOPHY & ETHICS

Wellness Center - Kiosk 50 Side A

The Evolution of Morality: Altruistic Behavior Found in Animals

Carla Rodriguez, University of West Florida

Wellness Center - Kiosk 50 Side B

The Good Life

Corina Cleveland, Wittenberg University

PHYSIOLOGY

Wellness Center - Kiosk 1 Side B

Assessing the Role of TMD12 in Ion Translocation of the Na/Bicarbonate Cotransporter, NBCe1

Kush Patel, University of Alabama at Birmingham

POLITICAL SCIENCE

Wellness Center - Kiosk 53 Side A

Women's Place in the Political World

Charlotte Taton, Cameron University

Wellness Center - Kiosk 59 Side A

Primary Factors Within a Failed State That Enable Terrorist Attacks

Travis Eiswerth, Susquehanna University

Wellness Center - Kiosk 59 Side B

State Criminal Justice Policy: Developing Indices of Punitiveness and Rehabilitation Efforts

Demitra Kourtzidis, Eastern Connecticut State University

PSYCHOLOGY

Wellness Center - Kiosk 2 Side A

Willingness to Donate

Taylor Edwards, Clark Atlanta University

Wellness Center - Kiosk 2 Side B

Academic Self-handicapping

Zachary Knepp, University of Central Oklahoma

Wellness Center - Kiosk 2 Side C

Attributional Style and Anxiety

Philip Marino, Adelphi University

Wellness Center - Kiosk 13 Side A

Effect of Threatening Experiences During Early Childhood on Threat Response

Muhan (Maureen) Xu, University of North Carolina, Chapel Hill

Wellness Center - Kiosk 13 Side B

Does Locus of Control Influence the Effectiveness of Guided vs. Self-directed Meditation?

Mikayla Strasser, North Central College

Wellness Center - Kiosk 13 Side C

Comparing Ratios Of Depression Between Female to Male MCI Patients and the General Population

Abbie Levinson, Bridgewater State University

STUDENT POSTER SESSION 8 - FRI 2:45PM-3:45PM

Wellness Center - Kiosk 19 Side A

Flexibly And/Or Inflexibly Embracing Life: Identifying Fundamental Approaches To Life Across A Spectrum Of Flexible And Rigid Behaviors

Oliver Stabbe, University of Rochester

Wellness Center - Kiosk 19 Side B

How Optimism Effects Stress Response and Ability to Multitask

Nathan Edwards Edwards, Eastern Connecticut State University

Wellness Center - Kiosk 22 Side A

Foolish or Heroic?: The Influence of Perpetrator Status on Perceptions of Those Who Confront Prejudice

Jessica Carter, Indiana University

Wellness Center - Kiosk 22 Side B

Lights, Camera, Perception: The Effect of Editing Patterns on Ability to Process Scene Transitions

Grant Brighter, Ithaca College

Wellness Center - Kiosk 22 Side C

Phonological and Semantic Features in Young Children's Foreign Word Learning

Rebekah Charles, University of Minnesota, Twin Cities

Wellness Center - Kiosk 31 Side A

Alcohol Consumption and Generative Development in Middle Adulthood

Ananda Easley, Luther College

Wellness Center - Kiosk 31 Side B

Attitudes in Sports: Conflicting Values Affecting Decisions to Participate

Abbie Hutton, Bethel College

Wellness Center - Kiosk 31 Side C

Damned, But Doing Okay? An Initial Examination of Social Support and Life Satisfaction in American Atheists

Matthew Serrine, University of Kentucky

Wellness Center - Kiosk 44 Side A

Phonological Processing and Reaction Time in Children with SLI: A Systematic Review and Meta-Analysis

Kaitlin Beattie, University of Wisconsin - Oshkosh

Wellness Center - Kiosk 44 Side B

Relationship Between Facebook Use and Mental/physical Health Outcomes with Attachment Style as a Moderator

Kimberly Blair, Adelphi University

Wellness Center - Kiosk 44 Side C

Spatial Reorientation Using Audition: Do Humans Encode Ambiguous Stimuli?

Josie Clark, Eastern Illinois University

Wellness Center - Kiosk 47 Side A

Using DRA to Decrease Problem Behavior and Increase Academic Behavior in a Child with Autism Spectrum Disorder

Michelle Kondrat, University of Wisconsin - Milwaukee

Wellness Center - Kiosk 47 Side B

The Role of Actin Polymerization in GPER-mediated Dendritic Spine Morphology in Female Mice

Jayson Schalk, University of Wisconsin - Milwaukee

Wellness Center - Kiosk 47 Side C

Socioeconomic Context Predicts White Matter Integrity in Healthy Older Adults

Cristina Pinheiro, University of Kentucky

STUDENT POSTER SESSION 8 - FRI 2:45PM-3:45PM

Wellness Center - Kiosk 48 Side B

Implicit Caricatures of Native Americans
Ashtin Dunham, University of Central Oklahoma

Wellness Center - Kiosk 48 Side C

Learning Without Awareness
Yohan Krumov, Eastern Connecticut State University

Wellness Center - Kiosk 54 Side A

The Influence of Social Medias on Self-Esteem in Relation to Personality
Rebecca Layton, Georgia College and State University

Wellness Center - Kiosk 54 Side B

The Relation of Sex and Grade Classification to Ethical Decision-Making Skills in Undergraduate Students
Destani Malicoat, University of Science and Arts of Oklahoma

Wellness Center - Kiosk 57 Side B

The Roles of Social Anxiety and Sexual Communication in Marriage Relationships
Matthew Ogan, John Brown University

Wellness Center - Kiosk 57 Side C

Who Gambles More - Monkeys or Humans
Jaira Bramblett, University of Central Oklahoma

SOFTWARE ENGINEERING

Wellness Center - Kiosk 24 Side A

Autonomous Topology Detection and Monitoring for Microservices Architecture
Bhavyansh Mishra, University of West Florida

Wellness Center - Kiosk 24 Side B

Data Mining Classification Using Natural Language Processing Techniques to Improve Business Decisions
Jessica Camilien, Kennesaw State University

Wellness Center - Kiosk 24 Side C

Automating Avionics Tests for the Space Launch System
Thomas Crews, Southwestern Oklahoma State University

SPORT MANAGEMENT

Wellness Center - Kiosk 53 Side B

Is Heisman Trophy Voting Influenced by the Media? a Statistical Analysis of Heisman Winners Since 2004
Jessica Sanders, University of Central Oklahoma

SUSTAINABILITY

Wellness Center - Kiosk 10 Side A

The Role of Bike Shares in a Sustainable Urban Transport System
Maria Ysabelle Cruzat, University of North Carolina, Charlotte

Wellness Center - Kiosk 10 Side B

Analysis of Ferrous Particles in Hydraulic Fluids
Andrew Velasquez, University of California - Merced

Wellness Center - Kiosk 10 Side C

Costa Rican Ecotourism: Economic Growth at the Cost of Sustainable Development and Community Longevity
Clare Milburn, Appalachian State University

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

BIOCHEMISTRY

Wellness Center - Kiosk 8 Side A

*Rational Design and Substrate Specificity
Study of Prenyltransferase CdpNPT*

Miranda Schene, University of Oklahoma Norman
Campus

Wellness Center - Kiosk 8 Side B

*Synergistic Effects of Modified Polymers and
Beta-lactam Antibiotics on MRSA*

Madeline Harney, University of Oklahoma Norman
Campus

Wellness Center - Kiosk 8 Side C

*The Expression of Cancer Associated Protein -
Cortactin in Chinese Hamster Ovarian Cells*

Barbara Walenkiewicz, College of St Scholastica

Wellness Center - Kiosk 42 Side A

*Kinetic Characterization of Cellular Entry,
Trafficking and Cargo Release by a Novel
TAT-derived Cell-penetrating Peptide*

Hannah Moorman, Kennesaw State University

Wellness Center - Kiosk 42 Side B

*Redefining Htlv and Host Protein-promoter
Interactions in Magnetic Promoter Pull-down
Assays*

Conner Anderson, East Central University

Wellness Center - Kiosk 42 Side C

*Virtual Screening for Novel Inhibitors of Plas-
modium Vivax 6-phosphogluconate Dehydro-
genase*

Geovanny Zarceno, University of Texas at Austin

BIOLOGICAL ENGINEERING

Wellness Center - Kiosk 57 Side A

*Biocompatibility of Hydroxyapatite and Co-
balt-Chrome Alloys*

Mehedi Hasan, Minnesota State University, Mankato

Wellness Center - Kiosk 57 Side B

*Examining Surgical and Device Interventions
for Optimizing Prosthesis-Limb Interface and
Ambulatory Performance of Transfemoral
Amputees*

Justine Borchard, University of Texas at Dallas

Wellness Center - Kiosk 57 Side C

*Using Acid Vapor Hydrolysis to Inactivate
Glutamate Oxidase Enzyme on Microelectrode
Arrays*

Kayla Kuhfeldt, University of Kentucky

BIOLOGY

Wellness Center - Kiosk 13 Side A

*Does CPP Delivered Catalase Have Measur-
able Physiological Effects?*

Beryl Khakina, Kennesaw State University

Wellness Center - Kiosk 13 Side B

*Drosophila melanogaster as a Model for Stim-
ulant Use Disorder*

Shaunaci Stevens, NC State University

Wellness Center - Kiosk 13 Side C

*Binding Competition for a Developmentally
Important Receptor in the Synapse During
Neural Development: Is Folic Acid Interfering
with Glutamic Acid?*

Amanda Koenig, University of Northern Iowa

Wellness Center - Kiosk 14 Side B

*Commercial Arbuscular Mycorrhizal Fungi Do
Not Enhance the Growth of Native Tall Grass*

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

Prairie Plant Species

Adam Warren, Oklahoma State University

Wellness Center - Kiosk 14 Side C

*Environmental Detection of Amphibian Patho-
gens Using Quantitative PCR*

Ashley Wojciechowski, North Central College

Wellness Center - Kiosk 30 Side A

*Specific Histidines in LBP Play a Role in PH
Sensing*

Emily Onyekwere, Kennesaw State University

Wellness Center - Kiosk 30 Side B

*The Effect of Epigallocatechin (ECGC) on Adi-
pogenesis in 3T3-L1 Cells*

Sara Ramezzana, Susquehanna University

Wellness Center - Kiosk 30 Side C

*Wildlife Use of Stock Tanks in the Nebraska
Sandhills*

Andrew Riesenber, University of Nebraska at Kearney

Wellness Center - Kiosk 31 Side A

*Contest Versus Scramble Competition: A Com-
parison of Movement Patterns of Seed Parasite
Larvae*

Adan Deeb, University of Kentucky

Wellness Center - Kiosk 31 Side B

*DMSO Cures Prions by Increasing Aggregate
Size to Limit Inheritance*

Grace Scheidemantle, Missouri Southern State Uni-
versity

Wellness Center - Kiosk 31 Side C

*FoxM1 Promotes Tubular Regeneration Fol-
lowing Acute Kidney Injury*

LaQuan Johnson, Langston University

Wellness Center - Kiosk 46 Side A

*Evaluation of Microbacterium Phage Biology
in Oklahoma Soils*

Alma Marquez, University of Central Oklahoma

Wellness Center - Kiosk 46 Side B

*First Chromosome Number Determinations
in Utricularia floridana, the Florida Yellow
Bladderwort, a Carnivorous Aquatic Plant
Endemic to the Southeastern United States*

Zachary Izen, Georgia College and State University

Wellness Center - Kiosk 46 Side C

*Loss of Beta-Catenin Protects Mice from
3,5-diethoxycarbonyl-1,4-dihydrocollidine-in-
duced Porphyrria*

Harvinder Saggi, University of Pittsburgh

CELL & MOLECULAR BIOLOGY

Wellness Center - Kiosk 10 Side A

*A Quest to Reveal Roles of the C-Terminus of
Pol2 Using CRISPR-Cas9 Technique*

Sarah Woller, Northeastern State University

Wellness Center - Kiosk 10 Side C

*Molecular Characterization of Two High
Light-Sensitive Mutants of Chlamydomonas
reinhardtii, Defective in a Novel Uncharacter-
ized Gene, LSRI.*

Kevin Nguyen, University of West Georgia

Wellness Center - Kiosk 16 Side A

*ABT263 (Navitoclax) and the IPF-Treatment
Drugs for a Healthier Aging*

Hemant Srivastava, University of Alabama at Birming-
ham

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

Wellness Center - Kiosk 16 Side B

*Engineering of Functional Replication Protein
a Homologs in Methanosarcina acetivorans*

Fatima Eldes, University of Illinois at Urbana Cham-
paign

CHEMISTRY

Wellness Center - Kiosk 19 Side A

*Synthesis, Characterization, and DNA Bind-
ing of a Novel Rhodium Complex*

Lauren Caronia, Moravian College

Wellness Center - Kiosk 19 Side B

*Using Multi-step Synthesis for the Production
of Hydrogels with Adhesive Properties*

Martin Alcantar, Georgia College and State University

Wellness Center - Kiosk 19 Side C

*Wastewater Contaminant Adsorption on Mag-
netic Composites*

Abby Harders, Bethel College

Wellness Center - Kiosk 21 Side B

*Role of Alpha-Tocopherol on Polyunsaturated
Lipids: Water Permeability*

Shea Foley, Iona College

Wellness Center - Kiosk 21 Side C

*Tensiometric Studies of Cell Membranes and
Interaction with Drugs*

Alyssa Marie Gayapa, Iona College

Wellness Center - Kiosk 52 Side A

*Analytical Detection of Nanoliter Droplets
Using Raman Microspectroscopy*

Joseph Giancaspro, Iona College

Wellness Center - Kiosk 52 Side B

Chemoenzymatic Synthesis of Micheliolide

*Analogs for the Treatment of Acute Myeloid
Leukemia*

Yashika Sharma, University of Rochester

Wellness Center - Kiosk 52 Side C

*Extraction of Hydrophilic Cosmetic Compo-
nents Using Hydrogels and Surface Enhanced
Raman Spectroscopy (SERS) Detection*

Rachel Olson, Hamline University

Wellness Center - Kiosk 54 Side A

*Introducing Microfluidics to Undergraduate
Students Using 3D Printing*

Matthew Vangunten, Millikin University

Wellness Center - Kiosk 54 Side B

*Moringa oleifera Phytochemical Composition
and the Influence of Environmental Growing
Conditions*

Tanner Sciara, Appalachian State University

Wellness Center - Kiosk 54 Side C

*Stereoselective Synthesis of the Selective
Serotonin 5-HT_{2A} Agonist (2S,6S)-2-(4-Bro-
mo-2,5-dimethoxybenzyl)-6-(2-methoxyph-
enyl)piperidine*

Shelby Stotemyer, Salisbury University

COMPUTER SCIENCE

Wellness Center - Kiosk 6 Side A

*An Exploration of Novel Applications of Strong
Timing in Programming Languages*

Carrick McClain, Kennesaw State University

Wellness Center - Kiosk 6 Side B

*Design of a Stand-Alone Tool for P-refinement
of 3D Finite Element Meshes with Boundary
Conditions*

Daniel Gross, University of Illinois at Urbana Cham-
paign

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

ECONOMICS

Wellness Center - Kiosk 23 Side A

*The Roles of SDRs in the International Mone-
tary System: Past, Present, and Future*

Xun Ye, Lafayette College

Wellness Center - Kiosk 23 Side B

*Water Quality's Impact on the Red Cedar Wa-
tershed Economy*

Ryleigh Prochnow, University of Wisconsin - La Crosse

Wellness Center - Kiosk 53 Side A

*Does the Market for Player Salaries Recognize
and Reward Intangible Characteristics of Ath-
letes?: A Case of the NBA*

Ali Hussen, Eastern Washington University

Wellness Center - Kiosk 53 Side B

*Bank Consolidation and Its Effects on Bank
Risk-taking; a Case Study on the Spokane and
Spokane Valley Metropolitan Area*

Shane Carrigan, Eastern Washington University

Wellness Center - Kiosk 53 Side C

*Crash Cost Analysis of Truck Drivers Diag-
nosed With Obstructive Sleep Apnea*

Michael Cagle, University of Minnesota - Morris

EDUCATION

Wellness Center - Kiosk 11 Side A

*The Pursuit of Authentic Imagery Between
Cultures: A Student Art Exchange*

Hannah Westhoven, Capital University

Wellness Center - Kiosk 11 Side B

*Encouraging RE Attendance in Low Income,
Low Education Populations*

Brittany Fitzgerald, University of Central Oklahoma

Wellness Center - Kiosk 18 Side A

*Calibration Method for Spinning Fringe Pro-
jection*

Jace Holton, Iowa State University

Wellness Center - Kiosk 18 Side B

*Encouraging High Performance Computing
Education in Oklahoma High Schools*

Madison Matli, Southwestern Oklahoma State Uni-
versity

Wellness Center - Kiosk 18 Side C

Pyramid Fighter

Callie Driver, University of Central Oklahoma

Wellness Center - Kiosk 27 Side A

Counting Magic Venn Diagrams

Phillip Morris, University of West Georgia

Wellness Center - Kiosk 27 Side B

Visualizing Website Fingerprinting Data

Lily Rose Kim, University of Central Oklahoma

Wellness Center - Kiosk 27 Side C

*Segmentation of Heart Ventricles Using Skele-
tal Representations*

Hasana Chaudry, Susquehanna University

ECOLOGY & ORGANISMAL BIOLOGY

Wellness Center - Kiosk 5 Side A

*Influence of Herbivory on Induced Defenses:
Phaseolus lunatus and Prunus serotina*

Kaitlyn Musser, Susquehanna University

Wellness Center - Kiosk 5 Side B

*Death by Dating: Behavioral Trade-off Be-
tween Mate Search and Death-feigning Based
on Food Availability*

Evan Blanford, University of Kentucky

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

Wellness Center - Kiosk 11 Side C

One Child's Experience with Writer's Workshop

Hannah Warmoth, University of Central Oklahoma

Wellness Center - Kiosk 25 Side C

Teach for America (TFA) vs. Certified Teaching

Ke'Waun Smith, University of Wisconsin - Whitewater

Wellness Center - Kiosk 35 Side A

Investing Roles and Boundaries Within Blended Families and Resources to Help

Jessica Askins, University of Central Oklahoma

Wellness Center - Kiosk 35 Side B

Student-Teacher Relationships: Do Positive Relationships Impact Career Choice?

Haley Greenwell, Milligan College

Wellness Center - Kiosk 35 Side C

Inquiry on the Accuracy of Grades on Representing Acquired Knowledge

Sourav Debnath, Kennesaw State University

Wellness Center - Kiosk 41 Side A

Elementary School Outcomes Associated with Faster English Language Acquisition for Dual Language Learners

Nadine Rozell, George Mason University

Wellness Center - Kiosk 41 Side C

The Effect of Reading Digitally Versus in Print on Emergent Literacy in Elementary Schools

Christina Bennett, Virginia Commonwealth University

ELECTRICAL ENGINEERING

Wellness Center - Kiosk 3 Side C

Load Following of a Nuclear Power Plant

Ghalib Shutayfi, Western Carolina University

Wellness Center - Kiosk 7 Side A

Electromagnetic Propulsion for Water Vessels Utilizing Alternating Current

Jourdan Holubasch, Eastern Washington University

Wellness Center - Kiosk 7 Side B

Noise Monitoring Using a Wireless Sensor Network

Taylor Rink, Hope College

Wellness Center - Kiosk 7 Side C

Algorithm Development for Swarm Robotics in Search and Rescue

Matthew Hill, Western Carolina University

Wellness Center - Kiosk 17 Side A

Designing and Optimizing Silicon Waveguides for Integration with Non-linear Optics

Peter Shares, United States Military Academy at West Point

ENGINEERING/ENGINEERING TECHNOLOGY

Wellness Center - Kiosk 17 Side B

Heat Capacity of Pineapple Puree Using Generic Thermos

Franklin Woods, Kennesaw State University

Wellness Center - Kiosk 17 Side C

Cold Compression Therapy Wrap

Moaiid Almosalim, University of Central Oklahoma

Wellness Center - Kiosk 20 Side A

Development of a Fully Functional Wireless Radiation Detector

MaKayla Jacobs, Kennesaw State University

Wellness Center - Kiosk 20 Side B

Learning While Flying – A Simulation Based

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

Case Study

Alain Santos, Kennesaw State University

Wellness Center - Kiosk 20 Side C

Structural Analysis Of The Maya Temple Of The Seven Dolls In Dzibilchatun, Mexico

Edna Toro Garza, University of Rochester

ENVIRONMENTAL STUDIES & SCIENCES

Wellness Center - Kiosk 32 Side A

Evaluating the Relationships Between Weather and Nanotagged Terns Using R-Shiny

Tyler Sym, Colorado College

Wellness Center - Kiosk 32 Side B

Using Systems Thinking in Agriculture to Integrate Concepts

Lisa West, Texas A & M University - Kingsville

Wellness Center - Kiosk 32 Side C

Will There Be Enough Water to Sustain Development?

Tara Brooks, Eastern Connecticut State University

GEOGRAPHY & EARTH SCIENCES

Wellness Center - Kiosk 49 Side A

How to Optimize Your Public Transportation System

Devon Westbrook, University of Central Oklahoma

Wellness Center - Kiosk 49 Side B

Influence of 'Small' Elevation Changes on Mesoscale Temperature Variations

Nathan Crowds, Western Kentucky University

Wellness Center - Kiosk 49 Side C

Geologic and Anthropogenic History of Spokane Revealed by Subsurface Projections for

Storm Water Disposal

Aaron Cleveland, Eastern Washington University

HEALTH SCIENCES & PUBLIC HEALTH

Wellness Center - Kiosk 26 Side A

Current and Potential Uses of Green Roofs on Hospitals

Arjun Viray, Portland State University Honors College

Wellness Center - Kiosk 26 Side B

Evaluating Readiness of Clinical and Health Administration Students Towards Interprofessional Education

Justin Boldt, Minnesota State University, Moorhead

Wellness Center - Kiosk 26 Side C

Formulation of a Self-Emulsifying Drug Delivery System of Fenofibrate

Courtney McCorkle, High Point University

Wellness Center - Kiosk 34 Side A

Hurricanes, Climate Change, and Public Health Connections In NYC

Aaron Jackson, Borough of Manhattan Community College

Wellness Center - Kiosk 34 Side B

Effects of Resilience and Social Capital on Coping Strategy Choice

Shu Kawase, Musashino University

Wellness Center - Kiosk 38 Side C

Characterization of the 1918 Influenza Pandemic in Missouri and Arkansas

Adam Davidson, University of Central Arkansas

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

Wellness Center - Kiosk 39 Side A

The Usefulness of the National Health Security Preparedness Index in Assessing Hurricane Preparedness: A Literature Review
Brooke Spillman, University of Kentucky

Wellness Center - Kiosk 39 Side B

What's a Checkbook!? a Study on the Relationship Between UCO Student Financial Stress and Suicide Ideations
Kate Mohr, University of Central Oklahoma

Wellness Center - Kiosk 39 Side C

Sensing Anxiety?
Madison Morrison, Indiana State University

Wellness Center - Kiosk 40 Side A

Reactive Oxygen Species Production by Commonly Used Flavoring Agents in E-Cigarette Liquids
Melanie Prinz, University of Rochester

Wellness Center - Kiosk 40 Side B

Shifting the Health Education Paradigm: Moving the Focus from Individual Behavior to Social Determinants of Health
Lindsay Hukill, University of Central Oklahoma

INTERNATIONAL STUDIES

Wellness Center - Kiosk 45 Side B

How Chinese Sociocultural Perspectives on Education Inform Students' Educational Decisions
Caitlin Hedberg, University of Wisconsin - Eau Claire

Wellness Center - Kiosk 45 Side C

The Stigma of Disability: An Intercultural Analysis
Nora Dixon, Elmhurst College

KINESIOLOGY & EXERCISE SCIENCE

Wellness Center - Kiosk 22 Side A

Aquaponics: an Innovative Approach to Teaching Health
Katelyn Unvert, University of Nebraska at Kearney

Wellness Center - Kiosk 22 Side B

Pulse Wave Velocity in Youth with Visual Impairments
Lauren Bates, State University of New York-Brockport

Wellness Center - Kiosk 22 Side C

The Effects of Mental Imagery on Free Throw Accuracy
Matthew Mientkiewicz, Gustavus Adolphus College

Wellness Center - Kiosk 38 Side A

The Prioritization of Tasks During Dual-Task Tandem Gait Testing in Female Student Athletes
Caitlin Edwards, University of Wisconsin - Eau Claire

Wellness Center - Kiosk 38 Side B

The Relationship Between Rock Climbing and Total Body Strength and Endurance
Ashlee Cordero, Georgia College and State University

LAW & LEGAL STUDIES

Wellness Center - Kiosk 50 Side A

Is Climate Change Real: Evidence of Temperature Rise in the State of Oklahoma
Chase Henry, University of Oklahoma Norman Campus

MATHEMATICS

Wellness Center - Kiosk 4 Side A

Optogenetic Control of the Electric Properties of a Cardiac Cell
Zahra Dhanerawala, Simmons College

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

Wellness Center - Kiosk 4 Side C

An Investigation of Newton's Method in Hyperbolic Geometry
Sarah Dickey, Elmhurst College

NEUROSCIENCE

Wellness Center - Kiosk 47 Side A

Development of the Glymphatic System
Anne Cheng, University of Rochester

Wellness Center - Kiosk 47 Side B

Effects of PACAP Receptor Gene Polymorphism on Limbic-based Brain Functional Organization in Youth
Stephanie Morgan, Wayne State University

Wellness Center - Kiosk 51 Side A

Analyzing the Potentiality of Zika Virus Infection in the Human Medulloblastoma
Clairice Pearce, University of Minnesota, Twin Cities

Wellness Center - Kiosk 51 Side B

Expression of Inflammatory Markers in Brain Tissue from Autism Spectrum Disorder
Brooke Beasley, East Tennessee State University

Wellness Center - Kiosk 51 Side C

The Impact of Exercise on Risk-taking Behavior and Object Recognition in Rats
Sophia Francisco, Susquehanna University

Wellness Center - Kiosk 58 Side A

Analytical Cognitive Processing Predicts Epistemically Suspect Beliefs
Tonya Le, Hamline University

Wellness Center - Kiosk 58 Side B

Effects of Shape Perturbation on Hand Pre-shaping Mechanisms
Marissa Laws, Lafayette College

Wellness Center - Kiosk 61 Side A

Alterations in Glial Activation Following Binge-like Ethanol Consumption
Isabella Grifasi, High Point University

Wellness Center - Kiosk 61 Side B

Effects of Early Life Nutritional Stress on Song and Auditory Region Size and Density in Zebra Finches of Both Sexes
Khulganaa Buyannemekh, Lafayette College

Wellness Center - Kiosk 61 Side C

Magnetic Resonance Thermometry as a Novel Way to Detect Neuroinflammation Post TBI
Altamish Daredia, University of Alabama at Birmingham

NURSING

Wellness Center - Kiosk 29 Side A

Moral Triage: Admitting Social Ethics Into Nursing Practice
Nicole Fronck, Viterbo University

Wellness Center - Kiosk 29 Side B

Persons with Recently Diagnosed Alzheimer's Disease: an Exploration Comparing Quality of Life Indicators Across Three Time Points
Stirling Adrian, Minnesota State University, Mankato

Wellness Center - Kiosk 56 Side A

Examining the Relationship Between Hydration Status and Perceived Wellness and Energy in Undergraduate College Students
Emem Udo, Gustavus Adolphus College

Wellness Center - Kiosk 56 Side B

High Stress Medical Situations and Nurses
Gustavo Ulloa, University of West Florida

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

Wellness Center - Kiosk 56 Side C

Breastfeeding Rates Within Racial and Ethnic Disparities

Mitrah Ghavami, Baylor University

PHYSICS

Wellness Center - Kiosk 12 Side A

Investigation of Maximum Operating Voltage of a Van De Graaff Accelerator

Oishik Hasan, Minnesota State University, Mankato

Wellness Center - Kiosk 12 Side B

An Analysis of the Relationship Between Size and Optical Properties of Aerosols

Kaleb Brookshire, Appalachian State University

Wellness Center - Kiosk 12 Side C

Determining and Identifying Stable and Habitable Climates of Exoplanet Gliese 581g

Macgregor Sullivan, Wheaton College

POLITICAL SCIENCE

Wellness Center - Kiosk 1 Side A

Labor Movements in International Relations

Phillip Bugajski, Loyola University of Chicago

Wellness Center - Kiosk 1 Side B

Linguistic Diversity and Democratic Outcomes

Jake Clor, Wayne State University

Wellness Center - Kiosk 55 Side A

The Dark Figure of Rape: An Analysis of the Reporting Decision for Rape and Sexual Assault

Amanda Edelen, University of Kentucky

Wellness Center - Kiosk 55 Side B

Framing Effects in a Competitive Environ-

ment: Black Lives Matter Versus President

Trump

Samantha Adams, University of Tennessee at Chattanooga

Wellness Center - Kiosk 55 Side C

The Economic and Developmental Benefits of Strategic Decolonization in the Caribbean

Benjamin Foster, Susquehanna University

PSYCHOLOGY

Wellness Center - Kiosk 36 Side A

An Educationally Relevant Investigation of Spaced Practice

Brittney Hjelmeland, Minnesota State University, Mankato

Wellness Center - Kiosk 36 Side B

Binge Drinking Impact on Verbal Memory Recall in Adolescents and Young Adults

MaryBeth Groth, University of Wisconsin - Milwaukee

Wellness Center - Kiosk 36 Side C

Five Factor Model Personality Traits, Antisocial Personality Disorder, and Facial Affect Recognition

Jaiden Butler, Oklahoma State University

Wellness Center - Kiosk 37 Side A

Perceived Income and Zip Code on Social Well-Being

Sonia Yanovsky, University of West Florida

Wellness Center - Kiosk 37 Side B

Psychological Influences That Affect College Student's Reasoning for Binge Drinking at a Tailgate Event and Preventative Measures That Can Be Taken to Lessen Excessive Alcohol Consumption

Stephanie Izquierdo, Florida International University

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

Wellness Center - Kiosk 37 Side C

Social Context Influence on Emotional Language Comprehension Through Facial Muscle Activity

Ericka Schaeffer, University of Wisconsin - Whitewater

Wellness Center - Kiosk 44 Side A

Inflammasome Subset Assembly and Nociceptive Sensitivity in Mice

Erin Ross, University of Alabama at Birmingham

Wellness Center - Kiosk 44 Side B

Perceived Stress in Marijuana-using Adolescents and Young Adults

Kristen Leer, University of Wisconsin - Milwaukee

Wellness Center - Kiosk 59 Side B

The Impact of Exercise Environment on the Relation Between Social Physique Anxiety and Weekly Exercise

James Crim, University of Minnesota, Twin Cities

Wellness Center - Kiosk 59 Side C

Thematic Analysis: Implications for a Behavioral Intervention Technology for Bipolar Disorder

Jamilah Silver, Northwestern University

RELIGIOUS STUDIES

Wellness Center - Kiosk 43 Side A

Archaeometric Approaches to the Roman Near East

Gayatri Nandwani, University of Tennessee at Knoxville

Wellness Center - Kiosk 43 Side B

From Catholic to Protestant: The Architectural and Iconographic Transformation of Churches in Martin Luther's Germany

Jill Liebe, North Central College

Wellness Center - Kiosk 43 Side C

The Role of Religion in the Traditional Healing Practices of the Himba Ethnic Group of Namibia

Lydia Strawser, Penn State University

SOCIAL WORK

Wellness Center - Kiosk 24 Side A

Keep Calm Let's Discuss Racism

Reginald Virgil, University of Southern Mississippi

Wellness Center - Kiosk 24 Side B

Community Matters

Jeana Owens, Tarrant County College District

SUSTAINABILITY

Wellness Center - Kiosk 2 Side A

Addressing the Growing Issue of Plastic Marine Debris Within the Central East Coastline of Vancouver Island

Vanessa Stratton, Vancouver Island University

Wellness Center - Kiosk 2 Side B

Sustainable Food Systems Study

Mary Bixler, University of Central Oklahoma

Wellness Center - Kiosk 2 Side C

A Mobile Diagnostics Lab for Interdisciplinary Climate Research

Kaylinn Taggart, Iowa State University

Wellness Center - Kiosk 9 Side A

Analysis of Small-Scale Photovoltaic System Bus Shelter Add-on

Christian Rust, NC State University

Wellness Center - Kiosk 9 Side B

Bringing Solar Energy to a Sunny State

Megan Richard, University of Alabama at Birmingham

STUDENT POSTER SESSION 9 - FRI 4:00PM-5:00PM

Wellness Center - Kiosk 9 Side C

The Impact of Street Design on Pedestrian's Perceptions and Commuting Patterns

Max Garcia, Auburn University

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

ANTHROPOLOGY & ARCHEOLOGY

Wellness Center - Kiosk 9 Side A

A Test of the Metric Method for Estimating Sex Using the Human Radius

Leigh Hayes, University of Wisconsin - Oshkosh

Wellness Center - Kiosk 9 Side B

Healthy Women Are Beautiful Women: Health and Beauty Standards at the Crystal Palace

Isabel Krum, North Dakota State University (Nt)

Wellness Center - Kiosk 9 Side C

Tapping into the Past, Present, and Future - Building Capacity for Water Quality Through Community Organizations

Kayleigh DeBruyne, University of Wisconsin - Stout

Wellness Center - Kiosk 54 Side A

The Fort Henry Collection: What Can We Learn from Artifacts Without Context

Zackariah Pagels, University of West Florida

ART HISTORY

Wellness Center - Kiosk 55 Side A

Jean Pucelle: Gothic Manuscript Artist

Shelby Dean, University of Central Oklahoma

Wellness Center - Kiosk 55 Side B

The Sound of Socialist Posters During the Lebanese Civil War

Jacob Jones, University of Central Oklahoma

Wellness Center - Kiosk 55 Side C

Understanding Terrorism: Street Art, Public Spaces, and Contemporary French Identity

Julia Hines, Hope College

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

BIOLOGICAL ENGINEERING

Wellness Center - Kiosk 8 Side A

Evaluation of Fiber Types in a Model of Neuro-ma Pain Prevention

Livia George, University of Texas at Dallas

Wellness Center - Kiosk 8 Side B

The Effects of Forelimb Unloading on Glenohumeral Joint Development in Neonatal Rats

Sophia Tushak, North Carolina State University

Wellness Center - Kiosk 8 Side C

Thin Film Softening, Shape Memory Polymer Cuff Electrodes Evoke Reduced Nerve Injury After Sub-chronic Neuromodulation

Danny Lam, University of Texas at Dallas

Wellness Center - Kiosk 25 Side A

Semi-automated, Multi-modal Brain Parcelation Workflow for PET/MR Neuroimaging Analysis

Sameera Grandhi, University of Alabama at Birmingham

Wellness Center - Kiosk 25 Side B

The Use of Photo-Regulated Allosteric Inhibitors to Allow for a More Specific Targeting for Viral Vectors in the Delivery of Cytotoxic Materials

Brennan Chaloux, Virginia Commonwealth University

Wellness Center - Kiosk 25 Side C

Using Muscle Synergies, Intermanual Transfer, and Prosthetic Systems in Amputation Therapy and Prosthetic Training to Increase Control, Reaction Time, and Acceptance of Myoelectric Hand Prosthetics

Kien Nguyen, Virginia Commonwealth University

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

Wellness Center - Kiosk 52 Side C

OCT-Based Tissue Microindentation for Mechanical Characterization of Fibroblast-Populated Collagen Lattices

Zheng Yie Yap, University of Central Oklahoma

BIOLOGY

Wellness Center - Kiosk 10 Side A

The Utilization of Bioinformatic Tools to Reveal Novel Gene-Targets for Dopamine Transmitter (DAT) Influenced Neurological Diseases

Carleigh Frazier, Fisk University

Wellness Center - Kiosk 10 Side B

The Effect Of S100A4 On Macrophage Polarization

Aniruddh Mandalapu, University of Rochester

Wellness Center - Kiosk 10 Side C

An Evaluation of the Genetic Diversity of Aquarium Trade Shrimp Belonging to the Genus Caridina

Alexandria Zabiegala, The University of Findlay

Wellness Center - Kiosk 12 Side A

Metagenomic Analysis of Cave Prokaryotic Microbiomes in Southwest VA

Brandon Thompson, The University of Virginia's College at Wise

Wellness Center - Kiosk 12 Side B

*Polyploidy and Genomic Variation in Northern Florida and Coastal Georgia Populations of *Rhexia*, a Small Genus of Flowering Wetland Plants Endemic to the North American Coastal Plain*

Corene DePhillips, Georgia College and State University

Wellness Center - Kiosk 12 Side C

Population Genetics of Feral Cats in Harvey County, Kansas

Benjamin Wiens, Bethel College

Wellness Center - Kiosk 13 Side A

*Characterization of Embryonic Otd-Bound Regions in *Drosophila melanogaster**

Rimma Levina, New York University

Wellness Center - Kiosk 13 Side B

Investigation into the Effects of Temperature Stress on Caudal Fin Regeneration in Zebrafish

Eric Moeller, California University of Pennsylvania

Wellness Center - Kiosk 13 Side C

Predicting the Effects of Substitution Mutations on H-Ras, K-Ras, & N-Ras Structure and Function

Hunter Gill, Indiana State University

Wellness Center - Kiosk 19 Side A

*Assessing the Gut Microbiota Response to Fecal Microbiota Transplantation in Children with *Clostridium Difficile* Infection*

Michelle Ahn, The George Washington University

Wellness Center - Kiosk 19 Side B

Comparison of Novel Mini-barcode Primers for eDNA-based Monitoring of Freshwater Ray-finned Fish Communities

Ashton Callipare, Duquesne University

Wellness Center - Kiosk 19 Side C

Evaluation of a Calving Time Detection Technology That Monitors Tail Movement in Dairy Cattle

Sarah Mac, University of Kentucky

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

Wellness Center - Kiosk 27 Side A

*Modeling a Human Genetic Disease in *Danio rerio* Via CRISPR/Cas9-Induced Star Knock-out*

Sean Ryan, Roanoke College

Wellness Center - Kiosk 27 Side B

*Polar Cell Extension Coordination in *Drosophila Melanogaster**

Bradford Hull, University of Kentucky

Wellness Center - Kiosk 27 Side C

*Selection of Heat-Shock Resistant *Octavious Rex**

Ryan Forster, Mount Saint Mary College

Wellness Center - Kiosk 48 Side A

The Role of Basigin in the Development and Regeneration of Retinal Neurons

Jazmyn Singh, University of West Florida

Wellness Center - Kiosk 48 Side B

Using SDS-PAGE to Test for the Presence of Urinary Proteins in Lemurs

Lee Byrum, NC State University

Wellness Center - Kiosk 48 Side C

*The Effect of Single and Multiple Predator Cues on Survival, Foraging and Antipredator Responses of the Wolf Spider, *Pardosa milvina**

Brynn Hailey, Susquehanna University

Wellness Center - Kiosk 57 Side A

The Reestablishment of the Small Mammal Community in an Old Field After a Prescribed Burn

Darryl Williams, University of Wisconsin - Whitewater

Wellness Center - Kiosk 57 Side B

Valproate Prevents a Cytosolic V_H+ATPase Subunit Insertion on Insulin Granule Membrane and Compromises Insulin Release in Min6 Cells

Nikhil Yedulla, Wayne State University

Wellness Center - Kiosk 57 Side C

*YAK1 and YPL247 Affect Lipid Accumulation and Mating in *Saccharomyces cerevisiae**

Morgan Fellows, North Central College

CELL & MOLECULAR BIOLOGY

Wellness Center - Kiosk 37 Side A

Inflammatory Effects of Extracellular Vesicles Released from the Normal Tissue Target of Doxorubicin

Hannah Thompson, University of Kentucky

Wellness Center - Kiosk 37 Side B

Osteogenic Gene Expression Profiles in MC3T3E1 Cells, an In-vitro Model for Osteoblast Differentiation with Potential for Future Application in Osteogenic Differentiation of Mesenchymal Stem Cells

Alicia Matavosian, University of Tennessee at Knoxville

Wellness Center - Kiosk 37 Side C

Viability Assay & Potential Effects of E-Juice on CHO-K1 Cells

Stephanie Laughlin, Tulsa Community College

CHEMISTRY

Wellness Center - Kiosk 16 Side A

Determination of Toxic Volatile Organic Compounds in Packaging Materials Received by the UCO Chemistry Stockroom Using Solid Phase Micro Extraction (SPME) and Gas Chromatography-Mass Spectrometry (GC-

George Wright, University of Central Oklahoma

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

Wellness Center - Kiosk 16 Side B

Evaluating the Stability of Carbocations in Polycyclic Carbon Frameworks

Nancy Guan, Smith College

Wellness Center - Kiosk 16 Side C

Modification of Gold Nanoparticle Surface with Polyamidoamine (PAMAM) Dendrimers to Increase Biocompatibility

Samira Darbandi, Northeastern State University

Wellness Center - Kiosk 31 Side A

DHA and EPA Content of Fish Oil

Rosalyn Bowie, Tarrant County College District

Wellness Center - Kiosk 31 Side B

*Extraction and Analysis of Agarita (*Mahonia trifoliolata*)*

Mariaelena Boyle, University of the Incarnate Word

Wellness Center - Kiosk 31 Side C

*Molecular Dynamics and Quantum Mechanical Simulations of Light-induced Isomerization of *Deinococcus Radiodurans* Bacteriophytochrome*

Kyler Ross, Southern Nazarene University

Wellness Center - Kiosk 50 Side C

Effect of Small Molecules on Membrane Thickness: A Study in Specific Membrane Capacitance

Alessandra Armetta, Iona College

COMMUNICATIONS

Wellness Center - Kiosk 39 Side A

PRESTO Music Lessons: Creating a Summer Music Program for Children

Mary Foley, Salisbury University

Wellness Center - Kiosk 39 Side C

The Effects of Affection Exchange & Relationships

Noah Pinho, Eastern Connecticut State University

COMPUTER SCIENCE

Wellness Center - Kiosk 14 Side A

Building a Weighted Graph to Avoid Obstacles from an Image of the Environment

Kevin Prehn, Elmhurst College

Wellness Center - Kiosk 14 Side B

Effectiveness of the Code Okie Workshop in Promoting Computer Science Amongst High School Students in Oklahoma

Austin Cauley, University of Central Oklahoma

Wellness Center - Kiosk 20 Side C

Synthesizing Pictures From Text Using a DC-GAN

Anton Soloviev, Susquehanna University

Wellness Center - Kiosk 33 Side A

Locating Mobile Devices Indoors Using WiFi Signal Strength Correlations

Zakar Handricken, Bridgewater State University

Wellness Center - Kiosk 33 Side B

UCO Augmented Reality Tourism App

Daniel Williams, University of Central Oklahoma

ECOLOGY & ORGANISMAL BIOLOGY

Wellness Center - Kiosk 29 Side A

Utilizing Turtle Shell Taphonomy to Determine Depositional Conditions at a Fossil Site From Texas

Melissa Acosta, University of Wisconsin - Parkside

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

Wellness Center - Kiosk 29 Side B

Who Will Be the Apex Predator When Climate Change Affects Local Streams?

Savannah Rhoads, Susquehanna University

Wellness Center - Kiosk 34 Side A

Effects of Native and Invasive Crayfish Chemical Stimuli on Larval Salamander Growth

Katie Fischer, Susquehanna University

Wellness Center - Kiosk 34 Side B

Lava Heron Fishing Success: The Impact of Water Depth

Ellen Munshower, College of Saint Benedict/ St. John's University

Wellness Center - Kiosk 34 Side C

*The Effect of Drought Stress and Herbivory on VOC Emission in *Phaseolus lunatus**

Peyton Klembara, Susquehanna University

ECONOMICS

Wellness Center - Kiosk 1 Side B

Changes in Women's Economic Opportunities in Latin America

Abigail Grider, Indiana State University

Wellness Center - Kiosk 28 Side A

Implications of Soil and Water Quality on the Economies of the Red Cedar Watershed

Madison Biggs, Drake University

Wellness Center - Kiosk 28 Side B

The Relationship Between Minimum Wage and Unemployment Rate

Joseph Nguyen, Southwestern Oklahoma State University

EDUCATION

Wellness Center - Kiosk 3 Side B

Changes in Student Conceptions of Fraction Multiplication

Kayla Davis, Salisbury University

Wellness Center - Kiosk 3 Side C

Lessons from the Past: Teaching Empathy Through Historical Fiction

Allison Utting, Hope College

Wellness Center - Kiosk 46 Side A

Generations Learning Together

Kendal Roach, University of Central Oklahoma

Wellness Center - Kiosk 46 Side C

The Flipped Classroom: An Inverted Way to Teach

Amanda Andrews, California University of Pennsylvania

ENGINEERING/ENGINEERING TECHNOLOGY

Wellness Center - Kiosk 6 Side A

Accuracy Verification and Use Optimization of Open Source Macro Distributed Digital Geiger-Muller Dosimeter Through Hardware Analysis and Modification

Michael Jerrell, Kennesaw State University

Wellness Center - Kiosk 6 Side B

Characterizing Functionally Graded Ti-6Al-4V + Mo for Biocompatibility Enhancement

Andrew Gray, Milwaukee School of Engineering

Wellness Center - Kiosk 6 Side C

Deformation Behavior of Single Crystalline Nanoporous Copper Structures Under Tensile Loading

Muhammad Hadi, University of Rochester

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

Wellness Center - Kiosk 21 Side A

AEM Study of a Dual Precipitation Micro-structure in an Al-Si-Cu-V-Zr Alloy

Emily Callahan, University of Michigan

Wellness Center - Kiosk 21 Side B

Improving Surface Characterization Techniques for Ceramic Micro-Fibers

Spencer Dansereau, Montana State University Bozeman

Wellness Center - Kiosk 21 Side C

Phosphorus Storage & Transport in Ravine Waterways

Jordan Bengtson, Minnesota State University, Mankato

Wellness Center - Kiosk 35 Side A

Quantifying Flagella-Driven Cellular Motility in Increased Medium Viscosity

Kara Clark, University of Central Oklahoma

Wellness Center - Kiosk 35 Side B

Take Home Control Laboratory Equipment Design

Jason Choo, Kennesaw State University

Wellness Center - Kiosk 35 Side C

X-ray Induced Acoustic Computed Tomography

Elijah Robertson, University of Oklahoma Norman Campus

ENGLISH

Wellness Center - Kiosk 22 Side A

The Appearance of Archetypes in Lewis Carroll's Through the Looking-Glass

Jennifer Reiten, University of Wisconsin - Superior

Wellness Center - Kiosk 22 Side B

The Influence of Language on Junot Díaz's The

Brief Wondrous Life of Oscar Wao

Morgan Chapman, Norwich University

Wellness Center - Kiosk 22 Side C

The White Gaze on "Black Theatre": How the Perception of the White Mainstream Reinforces the Reproduction of Minstrelsy on Broadway

Alexis Williams, Elon University

Wellness Center - Kiosk 26 Side A

Memes and the 2016 Election

Taylor Kodric, California University of Pennsylvania

Wellness Center - Kiosk 26 Side B

Past & Present: Finding American Identity in the Venetian Expatriate Community

Katrin Kelley, Hope College

GEOGRAPHY & EARTH SCIENCES

Wellness Center - Kiosk 5 Side A

A Project of Paleozoic Proportions: Strategies for the Curation, Digitization, and Outreach of the Royal H. Mapes Invertebrate Paleontology Collection

Sarah Rubin, Montana State University Bozeman

Wellness Center - Kiosk 5 Side B

Predicting Leaf-Area Index in Alfalfa, Oats, and Spring Wheat Crops Using Field Spectroscopy

Shaundra Rasmussen, University of Wisconsin - Whitewater

Wellness Center - Kiosk 5 Side C

People and Place in Pastoral Systems

Olivia Baxter, Colorado State - Colorado State University-Cooperative Extension- Jefferson Co

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

HEALTH SCIENCES & PUBLIC HEALTH

Wellness Center - Kiosk 23 Side A

Sexual Assault and Chinese International Students on a College Campus

Emily Wilson, Miami University

Wellness Center - Kiosk 23 Side B

Solving Crime One Tooth at a Time

Anna Malacki, Westmoreland County Community College

Wellness Center - Kiosk 42 Side B

Determinants of Intimate Partner Violence

TaShauna Williams, University of West Florida

Wellness Center - Kiosk 42 Side C

An Examination of Access to Menstrual Hygiene Products Among Adult Women in Washington D.C. Homeless Shelters

Maria Esposito, American University

Wellness Center - Kiosk 44 Side A

High-intensity Healthcare Utilization and the Associated Costs Among Older 10+y Survivors of Allogeneic Blood or Marrow Transplantation (BMT): a Report from the BMT Survivor Study-2 (BMTSS-2)

Eric Kim, University of Alabama at Birmingham

Wellness Center - Kiosk 44 Side B

Identifying Gaps and Barriers to Reporting Sexual Assault on College Campuses

Angela Sanctis, Duquesne University

HISTORY

Wellness Center - Kiosk 4 Side A

Journey of the Armor

Sean Michael McCrystal, Norwich University

Wellness Center - Kiosk 4 Side B

Freedom Made Tangible Through Genealogy

Trista Wilmot, University of Central Oklahoma

Wellness Center - Kiosk 4 Side C

More Than Mothers: The Essential Role of Women in the American Revolution

Alexandria Moreno, Mount St. Mary's College - Los Angeles

Wellness Center - Kiosk 45 Side A

"Despotic Monopoly in Trade"

Blake Janak, University of Central Oklahoma

Wellness Center - Kiosk 45 Side B

"Is That All?": Media Portrayal of Women in the 1950s and 1960s

Katy Elmore, Southwestern Oklahoma State University

INTERDISCIPLINARY STUDIES

Wellness Center - Kiosk 18 Side A

Pollution Is the New Black

Bethany Ryan, University of West Florida

Wellness Center - Kiosk 18 Side B

A Study of Non-Cognitive Factors that Impact 4-Year Graduation Rates at CSULB

Jennifer Solorzano, California State University - Long Beach

Wellness Center - Kiosk 18 Side C

The Faces and Phases of Science

Patrick De Paula, Lone Star College System The Honors College

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

KINESIOLOGY & EXERCISE SCIENCE

Wellness Center - Kiosk 30 Side A

Evaluating the Effectiveness of Applying Grief-Response Models to Sport Injury in Collegiate Student-Athletes

Sydney Brown, Elon University

Wellness Center - Kiosk 30 Side B

Relationship Partner's Descriptive Drinking Norms: If I Think They Drink, I Won't Date Them

Jourdan Greenlee, Miami University

Wellness Center - Kiosk 30 Side C

Photobiomodulation Effects of Blue and Red Light Therapy on Elbow Flexion Fatigue

Austin Hagan, Texas State University - San Marcos

MATHEMATICS

Wellness Center - Kiosk 7 Side A

Comparing Units in Different Curricula Addressing the Domain Operations & Algebraic Thinking from Grades K-2

Gabriela Rios, Eastern Washington University

Wellness Center - Kiosk 7 Side B

Mathematical Models of the Mammalian Circadian Oscillator and Alcohol Dependency

Grace Kelting, University of Central Oklahoma

MICROBIOLOGY & IMMUNOLOGY

Wellness Center - Kiosk 32 Side A

Role of MiRNA-145 on Pathophysiology of Cystic Fibrosis

Adetokunbo Ayokanmbi, University of Alabama at Birmingham

Wellness Center - Kiosk 32 Side B

The Type I Interferon System's Role in Struc-

turing the Lung Microbiome

Hanbyul Cho, Montana State University Bozeman

Wellness Center - Kiosk 32 Side C

The Use of Essential Oils to Combat Streptococcus Pneumoniae

Eric Bryan, Monmouth University

Wellness Center - Kiosk 38 Side A

Using Bioinformatics Analysis and CRISPR Gene Editing to Develop Attenuated Strains of Leishmania as a Potential Vaccine

Johanna Hoshizaki, McGill University, Montreal (Quebec)

Wellness Center - Kiosk 38 Side B

Determining Direct and Indirect Antibacterial Effects of P22-capsid

Mary Watson, Montana State University Bozeman

NEUROSCIENCE

Wellness Center - Kiosk 14 Side C

Sex Differences in Neural Projections to the Periaqueductal Gray: Identification of Novel Pathways in Female Rats

Daisy Cantu, Texas Woman's University

Wellness Center - Kiosk 53 Side A

Characterization of Immortalized Wildtype Microglial Cells (WTMCL)

Grace Gasser, Iowa State University

Wellness Center - Kiosk 53 Side B

Stress in Action: Mapping and Manipulating a Central Amygdala Projection to the Substantia Nigra

Sofia Carozza, Notre Dame University Of

Wellness Center - Kiosk 53 Side C

The Effect of Vitamin B12 Deficiency on Cogni-

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

PHYSICS

Wellness Center - Kiosk 40 Side A

Electron Based Calculations of Phonon Dispersion in Silicon Nano Membranes of Increasing Thickness

Evan Macintosh, University of Wisconsin - Parkside

Wellness Center - Kiosk 40 Side B

Increasing Hydrophobicity of Thin Films Using Dip Coating

Mohamed Mohamed, Hamline University

Wellness Center - Kiosk 40 Side C

Understanding the Connection Between the X-ray and Water Maser Emission in Galaxy Centers

Noah Ripchick, James Madison University

PHYSIOLOGY

Wellness Center - Kiosk 49 Side C

The Effect of Stress Peptide Urocortins on the Intestinal Epithelial Barrier Function

Hafsa Qazi, University of Wisconsin - La Crosse

PSYCHOLOGY

Wellness Center - Kiosk 41 Side A

Examining College Student Drinking Motives by Academic Division

Cody Loveless, Miami University

Wellness Center - Kiosk 41 Side B

Healthy Aging and Feedback-based Learning: Assessing Genetic Differences in Learning and Transfer

Annika Awad, St. Olaf College

tive Impairment

Ye-Lim Lim, Iowa State University

Wellness Center - Kiosk 56 Side A

Inhibiting Tau-SH3 Interactions Protects Against Amyloid-beta

Samantha Thompson, University of Alabama at Birmingham

Wellness Center - Kiosk 56 Side B

Phosphorylation of EIF4E and the Hippocampal Circadian Clock

Mengmeng Tian, University of Minnesota, Duluth

Wellness Center - Kiosk 56 Side C

Shorter Sleep Duration Is Associated with Lower Frontolimbic Connectivity in Children

Aneesh Hehr, Wayne State University

NURSING

Wellness Center - Kiosk 61 Side A

Impact of Nicotine on the Distribution of Cytokines in Each Trimester of Pregnancy

Emma Wittekind, Asbury University

Wellness Center - Kiosk 61 Side C

An Exploration of the Evidence on Preventing Wrong-Site Surgery

Paige Frarey, State University of New York-Brockport

PHILOSOPHY & ETHICS

Wellness Center - Kiosk 49 Side A

Uncovering Sartre: Analysis of an Unpublished Journal

Dealla Samadi, University of Kentucky

Wellness Center - Kiosk 49 Side B

Vico's Characterization of Myth and Philosophy

Joseph Payne, Mercer University

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

Wellness Center - Kiosk 41 Side C

One Size May Not Fit All: Investigating How the Intersection of Race, Gender, and Stigma Consciousness Predicts Effective Role Models for Black Female Students

Ashanti Desauguste, Elon University

Wellness Center - Kiosk 43 Side A

Effects of Music Lyrics on Narcissism Scores

Morgan Nicoll, University of Central Oklahoma

Wellness Center - Kiosk 43 Side B

How We Can Accept Our Own Thoughts and Feelings?: Effects of Self-esteem and a Sense of Life's Meaning

Karina Yamaguchi, Musashino University

Wellness Center - Kiosk 47 Side A

Examining the Grain-Size Lineup While Making Cross-Race Identifications

Blair Braun, University of Wisconsin - Oshkosh

Wellness Center - Kiosk 47 Side B

Memory for Rapidly Presented Images Is Related to Hippocampal Subfields Volume

Sruthi Ramesh, Wayne State University

Wellness Center - Kiosk 47 Side C

Perceptions of Bilingual Assessment

Heidi Pena Ortiz, Adelphi University

Wellness Center - Kiosk 51 Side A

The Impact of Personality on the Formation of First Impressions

Julia Cote, Susquehanna University

Wellness Center - Kiosk 51 Side B

The Impact of Various Threats on Female Aggression in a Culture of Honor

Jenna Jodts, University of Kentucky

Wellness Center - Kiosk 58 Side A

Coping with Stress in Police Officers as It Correlates with Subjective Well-Being

Marcus Alexander, University of Memphis- Lambuth

Wellness Center - Kiosk 58 Side B

Effect of Gender and Exercise on Mental Rotation

Julia Kearley, Iona College

Wellness Center - Kiosk 58 Side C

Emotionally Intelligent or Self-Differentiated?

Luke O'Steen, Lubbock Christian University

Wellness Center - Kiosk 60 Side A

Visual Search and Alcoholism

Taryn Donson, University of Central Oklahoma

Wellness Center - Kiosk 60 Side B

Sleep Deprivation Increases Credulity to Explicitly-Labeled False Information

Madison Nowling-Kjellberg, Hamline University

Wellness Center - Kiosk 60 Side C

Social Norms of Prejudice: Investigating Perceptions of Stigmatized Groups

Celine Aslinia, Indiana University

SOCIOLOGY

Wellness Center - Kiosk 11 Side A

Learning While Black: Understanding the Lived Realities of Black Students Attending Predominately White Universities

Amari Hobgood, University of North Carolina at Greensboro

Wellness Center - Kiosk 11 Side B

Center of Excellence, IN-CORE Cross Disciplinary Glossary

Sydney Edwards, Iowa State University

STUDENT POSTER SESSION 10 - SAT 8:30AM-9:30AM

SUSTAINABILITY

Wellness Center - Kiosk 24 Side A

A Low-input Alternative Healing System for Grafted Tomato Transplants

Neel Solanki, Iowa State University

Wellness Center - Kiosk 24 Side C

Project: Sustainability, Fog Harvesting

Bentley Davis, San Jacinto College Honors Program

Wellness Center - Kiosk 29 Side C

Climate Change in South Africa

Cassadee Clements, Texas Woman's University

WOMEN AND GENDER STUDIES

Wellness Center - Kiosk 2 Side A

Polyamory and Open Relationships: An Analysis of College Student Perceptions

Laura Moore, University of Central Oklahoma

Wellness Center - Kiosk 2 Side C

Old, Unskilled and Penniless: How Government Sponsored Repatriation Programs Have Failed to Educate and Empower Ecuadorian Women Returning from Spain After the 2008 Financial Crisis

Gabriela Larkin, George Mason University

Wellness Center - Kiosk 17 Side A

Gender Differences in STEM Courses at KSU?

Emma Evans, Kennesaw State University

Wellness Center - Kiosk 17 Side B

Preliminary Analysis of Male Perspective's on Reproductive Coercion

Honour McDaniel, University of Kentucky

STUDENT POSTER SESSION 11 - SAT 9:45AM-10:45AM

STUDENT POSTER SESSION 11 - SAT 9:45AM-10:45AM

ANTHROPOLOGY & ARCHEOLOGY

Wellness Center - Kiosk 24 Side A

Cultural Changes During the Protohistoric Period: A La Crosse Oneota Case Study

Jaelyn Roland, University of Wisconsin - La Crosse

Wellness Center - Kiosk 24 Side B

Evidence of Ad Sanctos Burial in Medieval Romania

Grady Puckett, Western Carolina University

Wellness Center - Kiosk 24 Side C

Dental Anthropological Reflections on the Human Condition at Two Byzantine Sites in Thrace, Greece

Joanna Gavras, Adelphi University

ARCHITECTURE & INTERIOR DESIGN

Wellness Center - Kiosk 2 Side A

Beyond Setting the Scene: Architecture of the White City

Ashley Glesinger, University of Nebraska, Lincoln

Wellness Center - Kiosk 2 Side B

Cultivating an Environment of Wellbeing, a Foster Care Facility for Adolescents

Sandra Perkins, University of Central Oklahoma

Wellness Center - Kiosk 2 Side C

Designing a Safe House and Community Center for Sex Trafficking Victims

Kistna Conely, University of Central Oklahoma

ASTRONOMY

Wellness Center - Kiosk 25 Side A

Investigation of Luminance-and B-Band Width-Luminosity Relationship and Further

Observations of Type Ia Supernovae at the BSU Observatory

Adam Gustafson, Bridgewater State University

Wellness Center - Kiosk 25 Side B

Mapping Periglacial Landscapes on Mars

Malmi Kiriwandalage, Suffolk County Community College

BIOCHEMISTRY

Wellness Center - Kiosk 10 Side A

TriCurin, A Synergistic Combination of Curcumin, Epicatechin Gallate and Resveratrol, Repolarizes Tumor-Associated Microglia/Macrophages, and Eliminates Glioblastoma (GBM) and GBM Stem Cells

Samay Sampat, New York University

Wellness Center - Kiosk 10 Side B

Chitosan and Competitive Binding of Nickel (II) and Copper (II)

Kylie Russell, Hamline University

Wellness Center - Kiosk 10 Side C

Genotype-Phenotype Correlations for Protein O-Linked-Mannose N-Acetylglucosaminyl-transferase 1 in Congenital Muscular Dystrophy

Jessica Ho, University of Georgia

Wellness Center - Kiosk 32 Side B

Identification of Human-specific Autophagy-associated Genes

Clara Wolfe, University of Rochester

Wellness Center - Kiosk 32 Side C

Single-Probe Mass Spectrometry of Non-Adherent Leukemia Cancer Cells

Devon Colby, University of Oklahoma Norman Campus

STUDENT POSTER SESSION 11 - SAT 9:45AM-10:45AM

BIOLOGICAL ENGINEERING

Wellness Center - Kiosk 48 Side C

Modeling the Human Knee

Katherine Bushway, University of Rochester

BIOLOGY

Wellness Center - Kiosk 29 Side A

Emerging Evidence for BAX-Inhibitor-1 (BI-1) in Regulating Cell Death Susceptibility in Idiopathic Pulmonary Fibrosis Fibroblasts

Anthony Doane, George Mason University

Wellness Center - Kiosk 52 Side A

Paleoecological Investigation of the Effect of Rainbow Trout Predation on Zooplankton Body Size and Community Composition

Anna Ries, Hamline University

Wellness Center - Kiosk 54 Side A

In Vitro Antidiabetic and Antioxidant Activities of Dioecious Morus alba (Moraceae) Extracts from Spring and Fall

Charitha Thallapareddy, Texas Woman's University

Wellness Center - Kiosk 54 Side B

Oka' Yanahli Nature Preserve Baseline Mammal Survey

Wendy Monterroso, University of Central Oklahoma

Wellness Center - Kiosk 54 Side C

Rho Kinase Inhibitor Is Involved in L-type Voltage-dependent Calcium Channel Pathway in Vascular Smooth Muscle Cells

Josh Baty, University of Evansville

Wellness Center - Kiosk 60 Side A

The Transcription Factor Ztf-29 Is Required for C. elegans Nervous System Development

Ciara Hosea, Kennesaw State University

Wellness Center - Kiosk 60 Side B

Vitamin D Receptor in a Mouse Model of Huntington Disease

Ramyashree Nyalakonda, University of Alabama at Birmingham

Wellness Center - Kiosk 60 Side C

Understanding Voltage-gated Sodium Channel Auxiliary Subunits Via Bioinformatics

Nathaly Maia, Kennesaw State University

BUSINESS/FINANCE/ACCOUNTING

Wellness Center - Kiosk 12 Side A

Urban Agriculture as a Business

Jazmin Wilson, University of Wisconsin - Whitewater

Wellness Center - Kiosk 50 Side A

How Do Business Students Select Their Majors?

Alexandra Munger, University of Central Oklahoma

Wellness Center - Kiosk 50 Side B

How Innovation District Cities and Their Affiliated Universities Grow Community to Stimulate Economic Development

Mindy Vo, University of Central Oklahoma

Wellness Center - Kiosk 50 Side C

Developing Sustainable Supply Chain Strategies in the Food Industry

Daniel Lucassen, University of Wisconsin - Whitewater

CELL & MOLECULAR BIOLOGY

Wellness Center - Kiosk 19 Side B

The Effect of the Loss of Nonsense-mediated MRNA Decay on Naturally Occurring Variants

Ashley Wiltsie, University of Utah

STUDENT POSTER SESSION 11 - SAT 9:45AM-10:45AM

Wellness Center - Kiosk 19 Side C

Viability of Cancerous and Normal Cells Under Low- and High-dose Laser Irradiation

Sana Mesiya, University of Central Oklahoma

Wellness Center - Kiosk 31 Side A

Primer Server - a Web Application to Design Primers for the Amplification of Unique DNA Targets in Complex Genomes

Takao Shibamoto, Iowa State University

Wellness Center - Kiosk 31 Side B

Role of MyTH4-FERM Myosin in Filopodia Initiation Within Dictyostelium discoideum

Livia Songster, University of Minnesota, Twin Cities

Wellness Center - Kiosk 46 Side A

Characterizing the Role of Rb in Planarian Regeneration and Homeostasis

Roshni Thachil, Stanford University

Wellness Center - Kiosk 46 Side C

Real-time Analysis of Cellular Trafficking of APE1 in Cancer Cells

Steven Ho, Kennesaw State University

CHEMICAL ENGINEERING

Wellness Center - Kiosk 1 Side A

Developing a Synthetic Sea Urchin Exoskeleton to Absorb Carbon Dioxide from Flue Gas and Neutralize the Increasing Ocean Acidity

Alexis Base, Florida Atlantic University

Wellness Center - Kiosk 1 Side B

Dynamic LCE Networks

Amy Metlay, University of Chicago

CHEMISTRY

Wellness Center - Kiosk 7 Side A

Role of Induction and Hyperconjugation in Haloacetic Acids

Rebecca Rudisell, Indiana State University

Wellness Center - Kiosk 7 Side B

Nazarov Cyclization with Magnetite

Nadine Samilpa, Southern Nazarene University

Wellness Center - Kiosk 21 Side B

Qualitative Determination of the Adherence of VOCs to Building Materials

Jillian Turner, Georgia College and State University

Wellness Center - Kiosk 21 Side C

Employing Spectroscopic Techniques to Study Structural Distortions of DNA Induced by Platinum-Based Drugs: Carboplatin and Nedaplatin

Aishwarya Lanka, Texas Woman's University

Wellness Center - Kiosk 26 Side A

Supplementing Student Engagement Using Games in Undergraduate General Chemistry

Anna Fry, University of Wisconsin - Whitewater

Wellness Center - Kiosk 26 Side B

Synthesis of Precursors to Pincer Pyridine-based N-heterocyclic Carbenes with Fluorinated Wingtips

Colton Calvert, Southern Nazarene University

Wellness Center - Kiosk 26 Side C

Synthetic Thiophene-Based Derivatives for Photovoltaic Material

Ching-Wen Lin, The University of Findlay

Wellness Center - Kiosk 47 Side A

Examining the Viscosity of PEG-PDMAEMA as a Function of pH and Temperature

Robert Huber, University of Wisconsin - Eau Claire

STUDENT POSTER SESSION 11 - SAT 9:45AM-10:45AM

Wellness Center - Kiosk 47 Side B

Investigation of Student Attitudes and Understanding in an Online Versus Traditional Introduction to Inorganic Chemistry Course

Hannah Nennig, University of Wisconsin - Eau Claire

Wellness Center - Kiosk 47 Side C

Phytoextraction of Iron by Coralberry (Symphoricarpos orbiculatus)

Maya Kathrineberg, Bethel College

Wellness Center - Kiosk 57 Side A

Computational and Spectroscopic Investigation of Pyridine-Silicon Tetrachloride Properties

Brittany Zehner, University of Wisconsin - Eau Claire

Wellness Center - Kiosk 57 Side B

Development of a Novel Biosensor for Catechol Using Poly-indole and Poly-indole-5-carboxylic Acid Films with Modifications of Tyrosinase and Gold Nanoparticles

Rochile Khan, Adelphi University

Wellness Center - Kiosk 57 Side C

Measurement and Evaluation of Nutrient Loading and Discharge for Several Virginia Lakes

Olivia Swahn, James Madison University

COMMUNICATION SCIENCES & DISORDERS

Wellness Center - Kiosk 15 Side A

An Investigation of Instructional Methodologies for Teaching Grammar in a Speech-Language Pathology Program

Shane Reed, University of Central Oklahoma

Wellness Center - Kiosk 15 Side B

Fundamental Frequency and Pitch Variation

Changes in the Story Retells of Children with ASD After Narrative Intervention

Gabriel Simms, Utah State University

Wellness Center - Kiosk 15 Side C

The Impact of Peer Participation on Augmentative and Alternative Communication Usage by Individual with Severe to Profound Disability

Alana Snider, Eastern Illinois University

COMPUTER SCIENCE

Wellness Center - Kiosk 16 Side A

Fission-fusion Dynamics Improve Foraging Efficiency Across Multiple Resource Patches

Hope Salzman, Southern Nazarene University

Wellness Center - Kiosk 16 Side B

Reduced Overfitting in Convolutional Neural Networks Through Restricted Filter Counts on Deep Networks

Nicholas Telfer, Utah Valley University

Wellness Center - Kiosk 16 Side C

PerfSonar and OFFN: Diagnosing and Testing Science DMZ Connections for the High-Speed Transfer of Large Data-sets on Oklahoma Friction Free Network

Dylan Ortega, Southwestern Oklahoma State University

ECOLOGY & ORGANISMAL BIOLOGY

Wellness Center - Kiosk 6 Side A

A Multi-year Study of Diatom Communities in the Upper Main Stem of the Susquehanna River Summer 2017

Joshua Levesque, Susquehanna University

STUDENT POSTER SESSION 11 - SAT 9:45AM-10:45AM

Wellness Center - Kiosk 6 Side B

Micronutrients of Burned Ponderosa Pine Soils

Tyler Talbott, Eastern Washington University

Wellness Center - Kiosk 6 Side C

Beep-Beep! Assessing the Influence of Road-runner Predation on Free-Ranging Collared Lizards

Danielle O'Connor, University of Central Oklahoma

Wellness Center - Kiosk 18 Side A

Biodiversity of Salamanders in Central and Southeast Ohio

Brandyn Shipley, Capital University

Wellness Center - Kiosk 18 Side B

Geographic Variation in Milkweed Growth: Implications for Habitat Restoration

Zoua Lor, St. Olaf College

Wellness Center - Kiosk 18 Side C

The Effect of a Surfactant Seed Coating on Alkali Bulrush Germination and Biomass

Anders Hart, Utah State University

Wellness Center - Kiosk 49 Side A

Effects of Flowering Plant Species Richness on Arthropod Order Richness in Grassland Ecosystems

Lucas Goodman, Iowa State University

Wellness Center - Kiosk 49 Side C

*Social Interactions in the Solitary Sweat Bee, *Systropha curvicornis* (Hymenoptera: Halictidae, Rophitinae)*

Connor Chambers, University of Kansas School

EDUCATION

Wellness Center - Kiosk 17 Side B

The Dragon Research Collaborative: A PAR Case Study in Transdisciplinary Pedagogy

Matthew Myers, Roanoke College

Wellness Center - Kiosk 17 Side C

Lions and Tigers and Teens: Investigating Volunteer Experiences in Informal Science Education

Leah Cuddeback, Texas State University - San Marcos

Wellness Center - Kiosk 20 Side A

Improving School-Home Communication Practices for Young Adolescents: Interview and Survey Analysis

Alyssa Nelson, University of Wisconsin - La Crosse

Wellness Center - Kiosk 20 Side B

Analyzing Tasks and Student Engagement

Ashley Grubb, Western Carolina University

Wellness Center - Kiosk 20 Side C

Outdoor Biology Activities, Science Standards, and Elementary Education

Rachael Watkins Waner, University of Central Oklahoma

ELECTRICAL ENGINEERING

Wellness Center - Kiosk 3 Side A

Active Monitoring of Chemical Fume Hood Sash Position for Energy Conservation

Laura Becerra, University of San Diego

Wellness Center - Kiosk 3 Side C

Optimizing Activity Detection Via Sensor Fusion

Farib Khondoker, Arizona State University, Tempe

STUDENT POSTER SESSION 11 - SAT 9:45AM-10:45AM

ENGINEERING/ENGINEERING TECHNOLOGY

Wellness Center - Kiosk 14 Side B

The Kineti-Charge

Wesley Tinley, Kennesaw State University

ENGLISH

Wellness Center - Kiosk 42 Side A

Rowling's War

Mary Brockway, State University of New York-Brockport

port

ENVIRONMENTAL STUDIES & SCIENCES

Wellness Center - Kiosk 22 Side A

*Can a Diabetic Drug Affect the Reproductive Behavior of the Fathead Minnow (*Pimephales promelas*) After a Three Month Chronic Exposure?*

Matthew Nanna, Ithaca College

Wellness Center - Kiosk 27 Side A

The Effects of Liquid Smoke Exposure on the Germination of Native Range Plants of North America

Ian Smith, Texas Tech University

Wellness Center - Kiosk 27 Side B

Urban Phosphorus Loading and Runoff into Half Moon Lake, Wisconsin

Mai Lia Vang, University of Wisconsin - Stout

Wellness Center - Kiosk 27 Side C

Wetland Delineation Using IRIS Tubes and Hydric Soil Properties in Central Georgia

Cameron Skinner, Georgia College and State University

GEOGRAPHY & EARTH SCIENCES

Wellness Center - Kiosk 28 Side A

Riparian Buffer Impact on Stream Health in the Wilson Annis Watershed, Dunn County, WI

Elizabeth Sosa, Sam Houston State University

Wellness Center - Kiosk 28 Side B

Trash on UWRF Campus: A Comparative Analysis

Matthew Moran, University of Wisconsin - River Falls

HEALTH SCIENCES & PUBLIC HEALTH

Wellness Center - Kiosk 37 Side A

A Retrospective Investigation into Live Discharges at a Hospice Organization

Abigail Coalson, University of West Florida

Wellness Center - Kiosk 37 Side B

Association of Obesity with Health Behaviors Among African Americans in the "Buckle" of the Stroke Belt

Brooke Davis, University of West Florida

Wellness Center - Kiosk 37 Side C

Emerging Barriers & Concerns Regarding Healthcare Among African Americans

Madelaine Tesori, Weber State University

Wellness Center - Kiosk 45 Side B

"Focusing" on Your ADHD Patient

Sarah Bauman, Westmoreland County Community College

INFORMATION TECHNOLOGY

Wellness Center - Kiosk 4 Side A

A Collaborative Government-University-Industry Model for a STEM Career-Education Pathway: Phase III: The R&D of Forensic Analytics and Biometrics

Kathleen Brown, University of Central Oklahoma

STUDENT POSTER SESSION 11 - SAT 9:45AM-10:45AM

Wellness Center - Kiosk 4 Side C

Using Text Analytics to Predict Optimal Pairing of Actors for Movies

Tyler Phillips, Minnesota State University, Mankato

KINESIOLOGY & EXERCISE SCIENCE

Wellness Center - Kiosk 5 Side A

Investigating the Relationship Between Heart Rate Variability (HRV) and Anxiety in Undergraduate Students Through Music Intervention

Annalise Tolley, Elon University

Wellness Center - Kiosk 5 Side B

Relationship Between Depressive Symptoms and Activities of Daily Living in Older Adults

Evelyne Guay, Iowa State University

Wellness Center - Kiosk 5 Side C

Lactate Clearance in Division II Cross Country Runners

Parker Marson, Western Oregon University

LAW & LEGAL STUDIES

Wellness Center - Kiosk 12 Side C

The United States of America: An International Perspective on Criminal Prosecution and Involvement in Criminal Courts

Allison Norder, University of Minnesota, Twin Cities

MANAGEMENT

Wellness Center - Kiosk 33 Side A

Welfare Improvements for Free-Roaming Cats

Ashley Gapinski, University of Wisconsin - River Falls

MARKETING

Wellness Center - Kiosk 33 Side B

Pokémon GO and Super Mario Run: Brand Extensions in the Mobile Video Game Market and the Impact of Brand Dilution

Carolina Cruz, University of Texas at San Antonio

Wellness Center - Kiosk 33 Side C

Social Media and the Youth Vote

Genevieve Kurtz, Salisbury University

MATHEMATICS

Wellness Center - Kiosk 8 Side A

Dynatomic Curves Over Finite Fields and Preperiodic Zeta Functions

Mark Poston, Montana State University Bozeman

Wellness Center - Kiosk 8 Side B

The Community Ecology of the Music Canon

Hannah Waddel, University of Utah

Wellness Center - Kiosk 8 Side C

Updating Literacy Estimates in the Oklahoma City Metro

Olivia Campos, University of Central Oklahoma

Wellness Center - Kiosk 40 Side A

Exploring the Use of Predictive Analytics in Banking and Finance Decision Making

Melanie Tummino, Bridgewater State University

Wellness Center - Kiosk 40 Side B

Graph Pebbling: Doppelgangers and Lemke Graphs

Mark Powers, Hope College

MICROBIOLOGY & IMMUNOLOGY

Wellness Center - Kiosk 30 Side A

*Bacteriocin Production by Bio-protective LAB Cultures That Inhibit *Lactobacillus wasatchensis**

Sophie Overbeck, Weber State University

Wellness Center - Kiosk 30 Side B

*Determining the Biofilm-Forming Capabilities of Wild-Type *Escherichia coli* O157:H7 Isolates*

STUDENT POSTER SESSION 11 - SAT 9:45AM-10:45AM

Recovered from Cattle Operations

Morgan Sarchet, Oklahoma State University

Wellness Center - Kiosk 30 Side C

The Histoplasma Capsulatum DNA Damage Response Protein, DDR48, Is Required for Resistance to Antifungal Drugs

Gabriella Reyes, University of Southern Mississippi

Wellness Center - Kiosk 51 Side B

*Elimination of Antibiotic Resistant *Klebsiella pneumoniae* Using CRISPR-Cas9 System*

Erin May, Weber State University

Wellness Center - Kiosk 51 Side C

Role of Interleukin-1 Signaling in HNSCC

Kenley Miller, San Jacinto College

NEUROSCIENCE

Wellness Center - Kiosk 53 Side B

Tracking Cell Lineages of Differentiated Progenitor Cells of the Embryonic Mouse Thalamus

Ella Borgenheimer, University of Minnesota, Twin Cities

Wellness Center - Kiosk 53 Side C

Colocalization of Secernin-1 and Pathological Hallmarks of Alzheimer's Disease

Sacha McElligott, New York University

Wellness Center - Kiosk 55 Side A

Hippocampal Proper and Subfield Volumes Correlate with Spatial Navigation Ability in a Developing Population

Sanaya Irani, Wayne State University

Wellness Center - Kiosk 55 Side B

Investigating the Neural Basis of Aesthetic

Pleasure in Reading

Benjamin Horne, Michigan State University

Wellness Center - Kiosk 55 Side C

EZH2 Methyltransferase Activity Controls PTEN Expression and MTOR Activation During Fear Memory Reconsolidation

Katrina Hatch, University of Alabama at Birmingham

NURSING

Wellness Center - Kiosk 23 Side A

A Systematic Review of Maternal Provision of Milk for Hospitalized Very Low Birthweight Infants

Blair Vanderkin, Hope College

Wellness Center - Kiosk 23 Side B

Confidence in CPR Skills and Education in Pre-Licensure Nursing and Athletic Training Students

Cassandra Smith, Gustavus Adolphus College

Wellness Center - Kiosk 34 Side A

Increasing Human Papillomavirus Vaccination Rates in College Students

Ashley Miner, University of Central Oklahoma

Wellness Center - Kiosk 34 Side B

Patient Comfort and Pain Control in the Burn Unit

MaryLynn Hoffman, University of South Alabama

Wellness Center - Kiosk 35 Side A

Pediatric Hospice Care: The Effects of an Educational Program for Pediatric Hematology and Oncology Nurses on End-Of-Life Services

Madeline Erickson, University of South Alabama

STUDENT POSTER SESSION 11 - SAT 9:45AM-10:45AM

Wellness Center - Kiosk 35 Side B

Therapeutic Hypothermia-Quality of Life

Tracey Farris, Jacksonville University

Wellness Center - Kiosk 35 Side C

Perceptions of Complications Including Reproductive Health Problems Among Adolescents and Young Adult Females with Type 1 Diabetes (T1D)

Nicole Charache, University of Pittsburgh School of Nursing

Wellness Center - Kiosk 56 Side B

Applying the Social Readjustment Rating Scale (SRRS) to Nursing Simulations

Megan Hossler, University of West Florida

Wellness Center - Kiosk 56 Side C

Undergraduate Nursing Students Competencies on Providing Spiritual Care

Emily Holmes, Gustavus Adolphus College

POLITICAL SCIENCE

Wellness Center - Kiosk 61 Side A

Partisan News Media and Growing Polarization in Congress

Tatijana Woodhouse, Cameron University

Wellness Center - Kiosk 61 Side B

Forming a Digital Archive of Rare Historical Bhutanese Documents

Matt Carey, University of Oklahoma Norman Campus

PSYCHOLOGY

Wellness Center - Kiosk 11 Side A

Emerging Adults' Reactions to the American Academy of Pediatrics' Guidelines for Adolescent Media Use

Johanna Michlig, University of Wisconsin - Milwaukee

Wellness Center - Kiosk 11 Side B

Facebook: a Self-Esteem Builder or Destroyer?

Exploring the Relationship Between Social Media and Self-esteem

Elizabeth Gallinari, Bridgewater State University

Wellness Center - Kiosk 11 Side C

Language of Music's Lyrics Has No Effect on Student's Academic Performance

Natalia Kamysz, Elmhurst College

Wellness Center - Kiosk 43 Side A

Firearms and Film Genre Choice

Charles Naff III, University of Memphis- Lambuth

Wellness Center - Kiosk 44 Side A

Emotional Intelligence and Religiosity

Colin Turpin, University of Central Oklahoma

Wellness Center - Kiosk 44 Side B

Factors Involved in Reward Dependence and Marijuana Use in College Students

Ogechukwu Otiji, Georgia Gwinnett College

Wellness Center - Kiosk 53 Side A

Writing Intervention

Shelby Vukich, Minnesota State University, Mankato

Wellness Center - Kiosk 58 Side A

Sexual Assault and the Longevity of Relationships

Jaely Deleon, University of Central Oklahoma

Wellness Center - Kiosk 58 Side B

Influence of the Colors Red and Black on Perceived Attraction and Aggression

Courtney Clark, University of Minnesota, Duluth

STUDENT POSTER SESSION 11 - SAT 9:45AM-10:45AM

Wellness Center - Kiosk 59 Side A

Size Constancy in Virtual Reality

Anne Loeliger, Susquehanna University

Wellness Center - Kiosk 59 Side B

The Effect of Off-Topic Activities in Class on Sleepiness Level and Learning Performance During Lectures

Katerina Zatopkova, University of West Florida

Wellness Center - Kiosk 59 Side C

The Influence of Grit and Neuroticism on Adjustment to Adverse Childhood Experiences

Chandler McDaniel, Oklahoma State University

SOCIOLOGY

Wellness Center - Kiosk 9 Side B

Family Choices and Autism: An Examination of How Raising a Child with Autism Spectrum Disorder Impacts Family Completion

Megan Graves, Elon University

Wellness Center - Kiosk 9 Side C

The Exploration of Inter-ethnic Marriage and Marital Satisfaction

Mikayla Brush, Weber State University

SUSTAINABILITY

Wellness Center - Kiosk 25 Side C

The Study of Moringa Oleifera Under Mars Lighting Conditions

Deanna DeMattio, Embry - Riddle Aeronautical University



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