

INS 45th Annual Meeting

Binding the Past & Present to Enhance the Future

New Orleans, Louisiana, USA 🌸 February 1–4, 2017

CELEBRATING 50 YEARS



BINDING THE PAST & PRESENT



International Neuropsychological Society 45th Annual Meeting

Binding the Past & Present to Enhance the Future

February 1-4, 2017

New Orleans Marriott,
New Orleans, Louisiana, USA

INS President: Kathleen Y. Haaland
Program Chair: Benjamin M. Hampstead
CE Director: Raul Gonzalez

Schedule-in-Brief

For the full schedule, please refer to the daily overview on pages 9-11, or refer to the complete program in Section II. Hotel floor plans are available just inside the back cover.

WEDNESDAY FEBRUARY 1	THURSDAY FEBRUARY 2	FRIDAY FEBRUARY 3	SATURDAY FEBRUARY 4
<p>9:00am-12:00pm CE Workshops 3.0 CE / 3 CEU CREDITS</p> <p>CE 1 – Bellinger Environmental Chemicals and Children's Brains: How Big a Problem? BISSONET</p> <p>CE 2 – Bikson Best-Practices of Transcranial Direct Current Stimulation (tDCS) for Effective and Reliable Outcomes SALON D</p> <p>CE 3 – Dronkers Adult Aphasia: Classifications, Localization, and Neuroimaging SALON E</p>	<p>7:20am-8:50am CE Workshops 1.5 CE / 15 CEU CREDITS</p> <p>CE 7 – Han Financial and Health Decision Making in Old Age: Neuropsychology, Neuroimaging, and Race Considerations BISSONET</p> <p>CE 8 – Cassidy Hearts and Minds: Recent Advances in the Neuropsychology of Pediatric Critical Congenital Heart Disease SALON D</p>	<p>7:20am-8:50am CE Workshops 1.5 CE / 15 CEU CREDITS</p> <p>CE 9 – Kana Autism: Clinical and Translational Insights from Brain Mapping BISSONET</p> <p>CE 10 – Thames Not All Aging Processes Are Created Equal: Cognitive Aging Among Culturally Diverse Groups SALON D</p>	<p>7:20am-8:50am CE Workshops 1.5 CE / 15 CEU CREDITS</p> <p>CE 11 – Loring & Bowden How Does Evidence-Based Practice Address the 'Replication Crisis' in Clinical Neuropsychology? BISSONET</p> <p>CE 12 – Mark Constraint-Induced Therapies for Neurological Disorders: Contemporary Findings, Application to Disorders of Movement, Aphasia, and Visual Perception, and Increased CNS Neuroplasticity SALON D</p>
<p>1:00-4:00pm CE Workshops 3.0 CE / 3 CEU CREDITS</p> <p>CE 4 – Bush Identifying Ethical Issues in Neuropsychological Subspecialties: Concepts, Cases, and Controversies BISSONET</p> <p>CE 5 – Casey The Adolescent Brain: Arrested or Adaptive Development? SALON D</p> <p>CE 6 – Stuss Clinical Assessment of Frontal Lobe Functions: A Historical Perspective of the Application of the Boston VA Jamaica Plans VA Process Approach SALON E</p>	<p>8:00-9:15am Poster 2. Adult 1 & Historical ACADIA</p> <p>9:00-10:30am Concurrent Sessions</p> <p>Invited Symposium 1 – Bikson Electrical Brain Stimulation and Cognitive Disorders CARONDELET</p> <p>Symposium 1 – Fernandez BISSONET</p> <p>Symposium 2 – Lamar SALON D</p> <p>Paper 1. Risk & Alzheimer's SALON E</p> <p>Paper 2. Veterans' Health SALON F-H</p>	<p>8:00-9:15am Poster 6. Adult 2 ACADIA</p> <p>9:00-10:30am Concurrent Sessions</p> <p>Invited Symposium 3 – Yeates Advances in Pediatric Mild TBI: Toward a Neurobiopsychosocial Model CARONDELET</p> <p>Symposium 5 – Price BISSONET</p> <p>Symposium 6 – Schultheis SALON D</p> <p>Paper 9. Epilepsy SALON E</p> <p>Paper 10. Medical / Infectious Disease SALON F-H</p>	<p>9:00-9:30am INS Business Meeting CARONDELET</p> <p>9:00-10:15am Poster 10. Peds 2 ACADIA</p> <p>10:00-11:30am Concurrent Sessions</p> <p>Invited Symposium 6 – Brickman Translational Neuropsychology: Contemplating the Past and Looking Toward the Future CARONDELET</p> <p>Symposium 11 – Drozdick BISSONET</p> <p>Symposium 12 – Gerner SALON D</p> <p>Paper 14. Cognitively Based Interventions in Aging SALON E</p> <p>Paper 15. TBI Across the Lifespan BALCONY I-K (LEVEL 4)</p> <p>Paper 16. Subjective Cognitive Complaints SALON A-C</p>
<p>2:45-4:00pm Poster 1. Epilepsy & Neuroscience ACADIA</p> <p>4:15-4:30pm Welcome – Hampstead CARONDELET</p> <p>4:30-5:30pm Plenary A – Haaland The Impact of the Past on Current and Future Views of Limb Apraxia CARONDELET</p> <p>5:30-6:30pm INS Awards Ceremony Featuring the Edna Karr High School Brass Band CARONDELET</p> <p>6:30-7:30pm Welcome Reception Featuring Hot8 Brass Band BISSONET</p>	<p>9:30-10:45am Poster 3. Peds 1 ACADIA</p> <p>10:30-10:45am AM Coffee Break ACADIA</p> <p>10:45-11:45am Plenary B – Knight Frontal Cortex and Human Behavior: Evidence from Intracranial Recording CARONDELET</p> <p>11:45am-12:45pm Lunch (on own)</p> <p>12:45-1:45pm Early Career Award Presentation – Rosenbaum SALON F-H</p>	<p>1:15-2:30pm Poster 4. Aging & Dementia 1 ACADIA</p> <p>2:15-2:45pm PM Coffee Break ACADIA</p> <p>2:45-3:45pm Plenary C – Vargha-Khadem Developmental Amnesia: Memory Formation in the Absence of Remembering CARONDELET</p> <p>4:00-5:00pm Plenary D (Birch) – Andersen Cognitive Neural Prosthetics to Overcome Brain and Spinal Cord Injury CARONDELET</p> <p>5:00-6:00pm Invited Presentation – Puente SALON A-C</p> <p>5:00-6:30pm Concurrent Sessions</p> <p>Symposium 4 – Hillary CARONDELET</p> <p>Paper 5. Vascular Disease and Injury BISSONET</p> <p>Paper 6. Substance Abuse SALON D</p> <p>Paper 7. Sleep SALON E</p> <p>Paper 8. Cross Cultural SALON F-H</p> <p>5:15-6:30pm Poster 5. Poster Symposia, Genetics, Cross Cultural ACADIA</p> <p>7:00-9:00pm SLC Student Social (TBA)</p>	<p>1:30-2:45pm Poster 8. Aging & Dementia 2 ACADIA</p> <p>2:30-3:00pm PM Coffee Break ACADIA</p> <p>3:00-4:00pm Plenary F – Sullivan Contributions to Understanding the Dynamic Course of Alcoholism: An INS Legacy CARONDELET</p> <p>4:00-5:30pm Concurrent Sessions</p> <p>Invited Symposium 5 – Johnson The Next Generation: A Look at Cohort Studies of People at Risk for Alzheimer's Disease CARONDELET</p> <p>Symposium 9 – Dobryakova BISSONET</p> <p>Symposium 10 – Arnett SALON D</p> <p>Paper 12. Memory SALON E</p> <p>Paper 13. Updating Neuropsychological Practice SALON F-H</p> <p>4:15-5:30pm Poster 9. ABI & Intervention ACADIA</p>

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Dear Colleagues,

We are thrilled to welcome you to the 45th Annual Meeting of the International Neuropsychological Society. Our return to New Orleans, the site of the first annual meeting, is especially appropriate for our 50th anniversary and led to the meeting theme of *Binding the Past and Present to Enhance the Future*. Consonant with this theme, we developed the program to reflect on Neuropsychology's rich interdisciplinary history, highlight recent advances in our understanding of brain-behavior relationships, and also consider directions for the next generation of research and clinical care. We invited keynote speakers and symposia whose expertise represented the program theme as well as the diverse interests of INS's membership. Likewise, submitted abstracts and symposia further demonstrate the quality and breadth of our member's research and clinical expertise.

You may notice a number of changes to the conference schedule, which were partially driven by membership suggestion and designed to highlight the renowned culture of New Orleans. The scientific program now opens with the Presidential address and is followed by an expanded opening ceremony and reception that includes local music and food options. We are extremely pleased to announce the **first annual Edith Kaplan Lecture** and associated "Taste of New Orleans" luncheon, which will conclude the conference on Saturday. The INS business meeting, "Business & Beignets", has also been moved to Saturday. Additionally, we are excited to announce the "INS Archival Museum", which is open throughout the conference and an ideal chance to reflect on where we have been and are headed as well as to view video interviews of renowned leaders in our field.

As always, Raul Gonzalez, INS Chair of Continuing Education, should be commended for crafting a dynamic and timely series of CE courses. We would also like to acknowledge the tireless efforts of Gordon Chelune, INS Executive Director, and the outstanding team in the INS office—Tandy Pietro, Chantal Marcks, and Jane Laird. This and all other INS activities would be impossible without them.

We hope you enjoy the scientific program and find time to partake in the many social activities that abound in the "Big Easy"!



Kathleen Y. Haaland
INS President



Benjamin M. Hampstead
Program Chair

New Orleans 2017 Program Committee

INS President

Kathleen Y. Haaland

Program Committee Chair

Benjamin M. Hampstead

Director of Continuing Education

Raul Gonzalez

Program Committee Members

Vicki Anderson
Alex Bahar-Fuchs
Sarah Banks
Sylvie Belleville
Evangelia Bonda
Emily Briceno-Abreu
Adam Brickman
Gregory Brown
Thomas Burns
Derin Cobia
Stephanie Cosentino
Pamela Dean
Daniel Drane
Jonathan Evans
Rosemary Fama
Alberto Luis Fernandez
Jennifer Gallo
Emily Garnett
Katherine Gifford
Meredith Gillis
Felicia Goldstein

Roy Hamilton
Duke Han
Frank Hillary
Elise Hodges
Kristen Hoskinson
Muireann Irish
Mervi Jehkonen
Angela Jefferson
Maria Jonsdottir
Roy Kessels
Lenka Krámská
Melissa Lamar
Scott Langenecker
Kevin Manning
David Marshall
Dawn Mechanic
Eliane Miotto
Chris Mizelle
Hendrik Niemann
Marc Norman
Ozioma Okonkwo

Carolyn Parsey
Suzanne Penna
Carol Persad
Maryellen Romero
Kelly Ryan
Bonnie Sachs
Sharon Sanz-Simon
Dawn Schiehser
Maria Schultheis
Sietske Sikkes
Marco Timpano
Joseph Tracy
Angela Troyer
Federick Unverzagt
Mieke Verfaellie
Guy Vingerhoets
Jeff Wefel
Ericka Wodka
Laura Zahodne
Molly Zimmerman

Welcome to INS New Orleans 2017!

INS Registration Desk

Upon your arrival, please visit the INS Registration Desk to check-in and obtain your badge and other materials.

The INS desk is located on the Third Floor in the *Grand Ballroom Foyer*.

Registration Desk Hours:

Tuesday, January 31	3:00 PM–6:00 PM*
Wednesday, February 1	8:00 AM–6:00 PM
Thursday, February 2	7:00 AM–5:30 PM
Friday, February 3	7:00 AM–4:30 PM
Saturday, February 4	7:00 AM–12:30 PM

*On this date ONLY, the INS desk will be located on the Second Floor in the *Preservation Hall Foyer*.

Badge Policy

The INS name badge must be worn at all times during the Annual Meeting, during both INS-sponsored and privately-hosted events and activities (including during affiliated meetings and candidate interviews that occur on-site).

Lost badges may be replaced at the INS Desk.

If you enrolled in optional CE workshops, your badge is required for entry into those sessions (you must show your badge to the volunteer proctor to gain entry). Only pre-registered participants are permitted in workshops.



Photo courtesy of New Orleans Marriott

New Orleans Marriott

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New Orleans, Louisiana 70130 USA

Phone: +1-504-581-1000
Fax: +1-504-523-6755

<http://www.marriott.com/hotels/travel/msyla-new-orleans-marriott/>

Official Venue & Headquarter Hotel

The official meeting venue and headquarter hotel is the **New Orleans Marriott**. All events occur at the hotel, making it the preferred lodging choice for most attendees.

The hotel is centrally located in the heart of the city's famed French Quarter, and is within walking distance of premier attractions such as Jackson Square and the world-famous Bourbon Street.

Louis Armstrong New Orleans International Airport, the arrival point for most attendees, is located 13 miles from the hotel.

Attendees who are staying in the INS room block will receive COMPLIMENTARY internet access in their guest room. If you did not book in the INS room block but you are staying at the headquarter hotel, you can enroll in *Marriott Rewards* to receive FREE wireless internet whenever you stay with Marriott; enroll today at www.marriott.com/rewards/createAccount/createAccountPage1.mi?enrollmentSourceCode=3528.

What is Included in Registration?

The general meeting registration fee includes all **General Sessions**—described below—and allows attendees to utilize INS meeting space for candidate interviews and ancillary events.

The only items not included in the general registration fee are **CE Workshops** and **Optional CE Credit for Plenary Attendance**, which are described below and in the Continuing Education section of this book.

Included in <i>General Meeting Registration</i> :	Not Included (Optional Items):
<h3>GENERAL SESSIONS</h3> <p>General sessions are the heartbeat of the Annual Meeting's scientific program, and are open to everyone who has paid the general fee.</p> <p>General sessions include all paper sessions, symposia, poster sessions, invited symposia, and INS social events.</p>	<h3>CE WORKSHOPS</h3> <p>In order to attend CE workshops, attendees must pre-register and pay an additional credit-based course fee.</p> <p>Generally, CE workshops may be added up to 24 hours prior to the start of each workshop. To add CE options, please inquire at the on-site registration desk during open hours.</p> <p>Volunteer proctors will check attendee badges at the door to verify registration; only pre-registered participants will be admitted.</p> <p>For continuing education accreditation and program requirements, please refer to CE Program details on page 29, or visit the New Orleans meeting page at www.the-ins.org/2017-Annual.</p> <p>If you registered for CE workshops and/or plenary credit(s) prior to approximately January 25, you should have already received an email with links to the handouts for your CE session. If you register on-site for CE options, you will receive the link to relevant handouts at that time. Please remember no paper copies are distributed on-site, and we highly recommend that you download and/or print handouts in advance of the session as we are expecting high bandwidth usage.</p>
<h3>PLENARY SESSIONS</h3> <p>All registered attendees are welcome and encouraged to attend the seven plenary addresses in this year's program.</p> <p>Digital handouts are available for most plenary sessions. They can be accessed through the meeting app (no paper handouts will be distributed). Because high attendance may affect bandwidth, we recommend you download handouts in advance of the session.</p> <p>PLEASE NOTE: Volunteer proctors will be posted at the door of each plenary to distribute CE attendance slips to those who wish to seek optional CE credit for their attendance. Attendees DO NOT need to complete the CE attendance slip unless they plan to seek CE credit for their participation in the session, either now or at a later date.</p>	<h3>OPTIONAL CE CREDIT FOR PLENARY ATTENDANCE</h3> <p>One hour of optional CE credit is available for each plenary session.</p> <p>In order to receive optional CE credit, plenary attendees must document their attendance, complete all CE requirements listed on page 29 and online at www.the-ins.org/2017-Annual, and submit a separate registration fee (the fee may be paid before the session or after the meeting is over; visit the INS website to add plenary credit after the meeting is over).</p>
<h3>ANCILLARY EVENTS</h3> <p>Registered meeting attendees may also participate in the various ancillary meetings that are scheduled to occur throughout the four day meeting. For a complete list of ancillary events, please see the ancillary event schedule within this book.</p> <p>Please note that many ancillary events are invitation-only. All ancillary events must be arranged in advance through INS.</p>	
<h3>EXHIBIT HALL & SOCIAL EVENTS</h3> <p>Your INS badge allows entry to all official social events at the Annual Meeting, including:</p> <ul style="list-style-type: none">• Daily networking with colleagues old and new in the <i>Acadia Room</i>, where all poster sessions, coffee breaks, and Exhibitors are located• The welcome reception on Wednesday evening• The closing <i>Kaplan Lecture Luncheon: A Taste of New Orleans</i> on Saturday afternoon (advance RSVP required)	

GENERAL MEETING INFORMATION

INS Meeting App

Download the INS 2017 Annual Meeting app for your mobile phone, tablet, or even to use on your personal computer.

The INS meeting app lets you view the complete program schedule, including the electronic program book, invited speaker bios and abstracts, travel and destination information, and much more.

To download and start personalizing the app, search for "INS 2017" at the Apple Store or Android Market, or visit tripbuildermedia.com/apps/INS2017.



How to Upload Your Handout

INS will send an email to submitting abstract authors allowing them to upload or link to an optional handout for their presentation.

Handout files must be PDF, PPT, XLS, DOC, TXT, PNG, or JPG and cannot exceed 1 MB. You can also provide a link to your handout.

How to Upload Your Photo

Once you have downloaded the app, you can add yourself to the list of attendees by completing the "MyProfile" section (you can choose how much information to share).

To upload your photo, click on MyProfile icon within the app and click Edit.

Photo files must be portrait orientation, and file size may not exceed 256 KB. The ideal size for photos is 400 pixels in width by 510 pixels in height (skewing may occur with other sizes).

Alerts & Flash Photography

Please mute or switch all cell phones, pagers, and other mobile devices to vibrate mode when entering sessions.

Flash photography is always strictly prohibited. Photos and/or other recordings may not be taken in the Exhibit Hall, or of any presentation without the express, written permission of the presenter(s).

Attendee Code of Conduct

All participants (including registered attendees and their guests, speakers, exhibitors, volunteers, staff, and all others) are anticipated to conduct themselves in an appropriate, professional, and respectful manner at all times during the INS 45th Annual Meeting. If an individual is unable to meet these expectations, INS reserves the right to ask them to leave the meeting without reimbursement.

Certificates of Attendance

If you require a certificate documenting your attendance, please inquire at the INS Registration Desk. You may also obtain a certificate after the meeting is over by emailing INS@utah.edu.

Continuing Education

For CE registration requirements and information, please see the previous page. For CE course and program requirements, including post-course evaluations and certificates, please see the CE section of this book.

Internet Access

Wireless internet access is available in all INS meeting spaces on levels two through five of the hotel. **To get online, first connect to the wireless network called *Marriott_Conf*, and then enter the password: *ins2017*.** Please see the previous page for information about wifi in guest rooms.

Interview Rooms

Rooms designated for candidate interviews are **Studio 3, Studio 4, Studio 8, and Studio 10** (located in Preservation Hall on Floor 2).

Studios 3, 4, and 8 will be open Tuesday through Saturday from 7:00 AM to 5:00 PM. **Studio 10** will be open Tuesday through Friday from 7:00 AM to 8:00 PM, and from 7:00 AM to 5:00 PM on Saturday.

Please utilize the on-site message boards to post or check for interviewing opportunities. *Interviews are arranged independently between interviewers and candidates; INS does not coordinate interviews.*

Nursing Mothers

A private, locking room is available for nursing mothers during the same hours as the INS registration desk. Please check-in at the INS desk to obtain the key.

Published Proceedings

The complete scientific program and abstracts listing for the INS 45th Annual Meeting will be published in an online, supplemental issue of the *Journal of*

the International Neuropsychological Society: JINS, Volume 23 (2017). All supplemental issues of JINS are freely available online, without a subscription.

Prior to their publication in JINS, the 45th Annual Meeting proceedings (including the schedule, abstracts listing, and author and keyword indices) may be viewed or downloaded in PDF format via the INS website at www.the-ins.org/2017-Annual.

Special Events

INS Awards Ceremony & Welcome Reception

Don't miss the **INS Awards Ceremony** on Wednesday, February 1st from 5:30–6:30 PM in the Carondelet Grand Ballroom, with a kick-off performance by the **Edna Karr High School Brass Band** (as featured on NPR).

Then, stick around for the **Welcome Reception** from 6:30–7:30 PM in the Acadia/Bissonet Room, featuring a performance by the **grammy-nominated Hot8 Brass Band**.

Special Entertainment at Thursday and Friday Afternoon Coffee Breaks

Our afternoon coffee breaks on Thursday and Friday are each 30 minutes long and will feature special jazz entertainment.

Student Social, Hosted by the INS Student Liaison Committee (SLC)

Trainees of all levels are welcome to join the INS SLC at their bi-annual **Student Social** for mingling and light refreshments. The Social will be held on Thursday, February 2nd from 7:00–9:00 PM (see the flyer for complete details).



What are people saying about Hot8 Brass Band?

"They play the sort of music that makes you glad to be alive... awesome" –ESQUIRE

"A joyous, infectious jazz/funk master class... ingenious" "Hot 8 have become an appealing metaphor for their home city's hope and vitality" –BBC Music

"A dominant force on New Orleans streets—the band you want to dance behind during a Sunday second-line parade." –Larry Blumenfeld, Wall Street Journal

INS Business Meeting: Beignets and Business

Learn about the INS organization and upcoming initiatives at the annual business meeting—while dining on beignets.

Kaplan Lecture Luncheon: A Taste of New Orleans

Join us for the first annual **Kaplan Lecture** on Saturday at Noon, followed by the **Kaplan Lecture Luncheon** from 1:00–2:00 PM (advance RSVP required).

PRESENTER INSTRUCTIONS

ALL SPEAKERS (including Plenary and CE Speakers and all presenters in Paper and Symposia Sessions) are required to check-in at the Speaker Ready Room at least ONE HOUR prior to their assigned session.

Speaker Ready Room

The Speaker Ready Room is located in *Preservation Hall Studio 1* on Level Two.

Speaker Ready Room Hours

Wednesday, February 1	8–9 AM and 12–4:30 PM
Thursday, February 2	7–11 AM and 12–5 PM
Friday, February 3	7–11 AM and 12–4 PM
Saturday, February 4	7–10 AM

General Guidelines

Presenters are not permitted to use their own computers or devices. In each lecture hall, presenters will have access to a laptop, mouse, laser pointer, and microphone.

A technician will be available during posted hours to help upload presentations to a central system. **Speakers are strongly encouraged to check-in well in advance of their scheduled presentation, preferably the day before if possible.** This will ease transitions between sessions where time is extremely tight.

Paper Session Presenters

All paper presenters must report to the Speaker Ready Room to upload their presentation by no later than one hour prior to their scheduled session.

Each paper session is 90 minutes in length and consists of six (6) individual presentations.

Each paper presenter will have exactly 12 minutes to present their paper (including time for their introduction by the session moderator). Then, immediately following each presentation, the moderator will guide a 3-minute question and answer period.

Please help the moderator and be respectful of other authors by staying within your allotted time, as each session is under a strict time limitation.

Symposia Presenters

All symposium presenters must report to the Speaker Ready Room to upload their presentation by no later than one hour prior to their scheduled session.

All symposia sessions are 90 minutes in length. It is up to the Symposium Chair's discretion to divide the time amongst the individual abstracts, the discussant, and to allow time for audience discussion and questions. Please stay within the time allotted by the Symposium Chair, as each session is under strict time limits.

Poster Presenters

All poster sessions will take place in the Acadia Room on Level Three. ***Please arrive 10 minutes prior to the start of your session in order to mount your poster.***

Please refer to the mobile app or the final program in Section II of this book for your final Poster Board Number, and then kindly mount your poster on the board labeled with your assigned number.

The presenting author must be present at the poster session and should remain with the poster to entertain questions for the duration of the session.

A volunteer will be available 10 minutes prior to the start of each poster session to distribute push-pins and assist authors with finding their assigned poster board.

Poster Symposia Presenters

Please follow the instructions above for Poster Presenters.

All poster symposia will occur in the Acadia Room on Level Three. Poster symposia occur during regular poster sessions, but are grouped together to allow authors to provide a cohesive presentation on their selected topic.

DAILY PROGRAM OVERVIEW

For a complete listing of scheduled presentations, please refer to Section II of this book. **For a list of changes that have occurred since the program was finalized, please refer to the flyer with scientific program changes and additions.**

Wednesday, February 1, 2017			
9:00 – 12:00 PM	CE Workshop 1. Environmental Chemicals and Children's Brains: How Big a Problem? Presenter: David C. Bellinger Location: Bissonet (Grand Ballroom)	CE Workshop 2. Best-Practices of Transcranial Direct Current Stimulation (tDCS) for Effective and Reliable Outcomes Presenter: Marom Bikson Location: Salon D (Mardi Gras)	CE Workshop 3. Adult Aphasia: Classifications, Localization, and Neuroimaging Presenter: Nina Dronkers Location: Salon E (Mardi Gras)
1:00 – 4:00 PM	CE Workshop 4. Identifying Ethical Issues in Neuropsychological Subspecialties: Concepts, Cases, and Controversies Presenter: Shane S. Bush Location: Bissonet (Grand Ballroom)	CE Workshop 5. The Adolescent Brain: Arrested or Adaptive Development? Presenter: BJ Casey Location: Salon D (Mardi Gras)	CE Workshop 6. Clinical Assessment of Frontal Lobe Functions: A Historical Perspective of the Application of the Boston VA Jamaica Plans VA Process Approach Presenter: Donald T. Stuss Location: Salon E (Mardi Gras)
2:45 – 4:00 PM	Poster Session 1. Epilepsy & Neuroscience Location: Acadia (Grand Ballroom)		
4:15 – 4:30 PM	Program Welcome Program Committee Chair: Ben M. Hampstead Location: Carondelet (Grand Ballroom)		
4:30 – 5:30 PM	Plenary A. The Impact of the Past on Current and Future Views of Limb Apraxia INS President: Kathy Y. Haaland Location: Carondelet (Grand Ballroom)		
5:30 – 6:30 PM	INS Awards Ceremony Awards Committee Chair: Roy Kessels Location: Carondelet (Grand Ballroom)		
6:30 – 7:30 PM	Welcome Reception Location: Bissonet (Grand Ballroom)		

Thursday, February 2, 2017					
7:20 – 8:50 AM	CE Workshop 7. Financial and Health Decision Making in Old Age: Neuropsychology, Neuroimaging, and Race Considerations Presenter: Duke Han Location: Bissonet (Grand Ballroom)		CE Workshop 8. Hearts and Minds: Recent Advances in the Neuropsychology of Pediatric Critical Congenital Heart Disease Presenter: Adam R. Cassidy Location: Salon D (Mardi Gras Ballroom)		
8:00 – 9:15 AM	Poster Session 2. Adult 1 & Historical Location: Acadia (Grand Ballroom)				
9:00 – 10:30 AM	Invited Symposium 1. Electrical Brain Stimulation and Cognitive Disorders Chair: Marom Bikson Presenters: Adam J. Woods, Leigh Charvet Location: Carondelet (Grand Ballroom)	Symposium 1. Neuropsychology in the Americas Chair: Alberto Fernandez Presenters: Aldo Ferreres, Tedd Judd, Christopher Grote, Jennifer Manly Location: Bissonet (Grand Ballroom)	Symposium 2. An integrative look at the Boston Process Approach to Neuropsychology: A review of the history, current research and future directions of error analysis Chair: Melissa Lamar Presenters: David Libon, Rhoda Au, Melissa Lamar, Aimee Karstens, Unai Diaz-Orueta Location: Salon D (Mardi Gras Ballroom)	Paper Session 1. Risk & Alzheimer's Moderator: Felicia Goldstein Presenters: Anna Blanken, Daniel Nation, Christian LoBue, Belinda Yew, Megan Glenn, Elissa McIntosh Location: Salon E (Mardi Gras Ballroom)	Paper Session 2. Veterans' Health Moderator: Amy Jak Presenters: Emily Trittschuh, Holly Miskey, Amy Jak, J. Cobb Scott, John Williamson, Elizabeth Leritz Location: Salon F-H (Mardi Gras Ballroom)
9:30 – 10:45 AM	Poster Session 3. Peds 1 Location: Acadia (Grand Ballroom)				
10:30 – 10:45 AM	AM Coffee Break Location: Acadia (Grand Ballroom)				
10:45 – 11:45 AM	Plenary B. Frontal Cortex and Human Behavior: Evidence from Intracranial Recording Presenter: Robert T. Knight Location: Carondelet (Grand Ballroom)				
11:45 – 12:45 PM	Lunch (On Own)				
12:45 – 1:45 PM	Early Career Awardee Presentation. A Case Study Approach to Understanding Memory Presenter: R. Shayna Rosenbaum Location: Salon F-H (Mardi Gras Ballroom)				

Thursday, February 2, 2017 (Continued)

12:45 – 2:15 PM	Invited Symposium 2. Evolution of the Neuropsychology of Epilepsy Surgery Chair: Bruce Hermann Presenters: Jeffrey Ojemann, Marla Hamburger, Dan Drane, Carrie McDonald Location: Carondelet (Grand Ballroom)	INS Student Liaison Committee Workshop: The Neuropsychologist in the Public Domain: Kids, Academia, and the Law Presenters: Robert Knight, Kathleen Haaland, Donna Sorensen, Erin Bigler Location: Salon A-C (Mardi Gras Ballroom)	Symposium 3. Brain and Cognition Following Very Preterm Birth Chair: Chiara Nosarti Presenters: Serena Counsell, James Boardman, Ronny Geva, Gro Christine Christensen Løhaugen, Chiara Nosarti Location: Bissonet (Grand Ballroom)	Paper Session 3. Cognitive Neuroscience Moderator: Bruce Crosson Presenters: Edward de Haan, Justin Karr, Nicholas Bott, Scott Hayes, Matthew Wright, Lauren Oberlin Location: Salon D (Mardi Gras Ballroom)	Paper Session 4. Oncology Moderator: Jeff Wefel Presenters: Yin Ting Cheung, Wei Liu, Pia Banerjee, Tara Brinkman, Michelle Fox, Jeffrey Wefel Location: Salon E (Mardi Gras Ballroom)
1:15 – 2:30 PM	Poster Session 4. Aging & Dementia 1 Location: Acadia (Grand Ballroom)				
2:15 – 2:45 PM	PM Coffee Break — Location: Acadia (Grand Ballroom)				
2:45 – 3:45 PM	Plenary C. Developmental Amnesia: Memory Formation in the Absence of Remembering Presenter: Faraneh Vargha-Khadem Location: Carondelet (Grand Ballroom)				
4:00 – 5:00 PM	Plenary D (Birch Memorial Lecture). Cognitive Neural Prosthetics to Overcome Brain and Spinal Cord Injury Presenter: Richard A. Andersen Location: Carondelet (Grand Ballroom)				
5:00 – 6:00 PM	Invited Presentation: From the Laboratory to the Clinic and Back: The Role of Science and Policy Development in Shaping Clinical Neuropsychology Presenter: Antonio Puente Location: Salon A-C (Mardi Gras Ballroom)				
5:00 – 6:30 PM	Symposium 4. Historical perspectives in the study of neurotrauma: progress and pitfalls over 40 years of research Chair: Frank Hillary Presenters: Harvey Levin, Erin Bigler, Frank Hillary Location: Carondelet (Grand Ballroom)	Paper Session 5. Vascular Disease and Injury Moderator: Angela Jefferson Presenters: Sara Pillay, Eliane Miotto, Katherine Bangen, Angela Jefferson, Madeleine Werhane, Brittany Schneider Location: Bissonet (Grand Ballroom)	Paper Session 6. Substance Abuse Moderator: Rosemary Fama Presenters: Rosemary Fama, Kirsten Frazer, Bradley Reynolds, Scott Hunter, Robyn Migliorini, J. Cobb Scott Location: Salon D (Mardi Gras Ballroom)	Paper Session 7. Sleep Moderator: Melissa Lamar Presenters: Angeliki Tsapanou, Jesse Fischer, Dean Beebe, Fawad Viqar, Anik Gosselin, Sarah Martindale Location: Salon E (Mardi Gras Ballroom)	Paper Session 8. Cross Cultural Moderator: To Be Announced Presenters: Sabrina Na, Sarah Shair, Jennie Ponsford, Amy Werry, Gloria Felix, Luis Medina Location: Salon F-H (Mardi Gras Ballroom)
5:15 – 6:30 PM	Poster Session 5. Poster Symposia, Genetics, Cross Cultural Location: Acadia (Grand Ballroom)				
7:00 – 9:00 PM	Student Social, Hosted by the INS Student Liaison Committee — Location: To Be Announced				

Friday, February 3, 2017

7:20 – 8:50 AM	CE Workshop 9. Autism: Clinical and Translational Insights from Brain Mapping Presenter: Rajesh K. Kana Location: Bissonet (Grand Ballroom)	CE Workshop 10. Not All Aging Processes Are Created Equal: Cognitive Aging Among Culturally Diverse Groups Presenter: April D. Thames Location: Salon D (Mardi Gras Ballroom)			
8:00 – 9:15 AM	Poster Session 6. Adult 2 Location: Acadia (Grand Ballroom)				
9:00 – 10:30 AM	Invited Symposium 3. Advances in Pediatric Mild TBI: Toward a Neurobiopsychosocial Model Chair: Keith O. Yeates Discussant: H. Gerry Taylor Presenters: Alain Ptito, Vicki Anderson, Michael Kirkwood Location: Carondelet (Grand Ballroom)	Symposium 5. Interdisciplinary Approaches to Understanding Post-Operative Cognitive Complications in Older Adults Chair: Catherine Price Discussant: Steven T. DeKosky Presenters: Tania Giovannetti, Jeffery Browndyke, Catherine Price, Thomas Floyd Location: Bissonet (Grand Ballroom)	Symposium 6. Neuropsychology and Technologies: Taking the lead on new opportunities for understanding brain-behavior relationships Chair: Maria Schultheis Presenters: Kayci Vickers, Jillian Tessier, Eli Vakili, Jennifer Yuan Location: Salon D (Mardi Gras Ballroom)	Paper Session 9. Epilepsy Moderator: Joseph Tracy Presenters: Joseph Tracy, David Marra, Karol Osipowicz, William Schraegle, Ryan Brewster, Jessica Spat Location: Salon E (Mardi Gras Ballroom)	Paper Session 10. Medical / Infectious Disease Moderator: Marc Norman Presenters: David Sheppard, Taylor Kuhn, Emilia Lojek, Michal Harciarek, Jonathan Evans, Rosemarie Bowler Location: Salon F-H (Mardi Gras Ballroom)
9:30 – 10:45 AM	Poster Session 7. Neuropsychiatry Location: Acadia (Grand Ballroom)				
10:30 – 10:45 AM	AM Coffee Break — Location: Acadia (Grand Ballroom)				
11:00 – 12:00 PM	Plenary E. Behavioral Clusters and Brain Network Mechanisms of Impairment and sRecovery Presenter: Maurizio Corbetta Location: Carondelet (Grand Ballroom)				
12:00 – 1:00 PM	Lunch (On Own)				
1:00 – 2:00 PM	Benton / Mid-Career Awardee Presentation. Subtle Brain-Behavior Biomarkers of Modifiable Cardiovascular Disease Risk Factors: Implications for Minority Health Disparities, Aging and Dementia Presenter: Melissa Lamar Location: Salon F-H (Mardi Gras Ballroom)				

Friday, February 3, 2017 (Continued)					
1:00 – 2:30 PM	Invited Symposium 4. A Summit on Cognitive Rehabilitation: Mapping the Past, Defining the Present and Imagining the Future Chair: Anthony Y. Stringer Presenters: Barbara A. Wilson, Keith D. Cicerone, Anthony Y. Stringer Location: Carondelet (Grand Ballroom)	Panel Discussion, Presented by the INS Student Liaison Committee: International Cross-Cultural Considerations in Research Presenters: Anita Sim, Jonathan Evans, Tedd Judd, Robert K. Heaton Location: Salon A-C (Mardi Gras Ballroom)	Symposium 7. Locus Coeruleus-Norepinephrine System, Cognitive Effort, and Early Risk for Alzheimer's Disease Chair: William Kremen Presenters: William Kremen, Mark Sanderson-Cimino, Elman Jeremy, Mara Mather Discussant: Mark W. Bondi Location: Bissonet (Grand Ballroom)	Symposium 8. Clinical Applications of Functional Neuroimaging for Presurgical Functional Mapping: The Past, Present, and Future Roles for Neuropsychologists Chair: Christen Holder Presenters: Nicole Shay, Roozbeh Rezaie, Christen Holder Discussant: Andrew Papanicolaou Location: Salon D (Mardi Gras Ballroom)	Paper Session 11. Mental Illness Moderator: Derin Cobia Presenters: Alicia Ford, Elyssa Weber, John Keilp, Faith Steffen-Allen Location: Salon E (Mardi Gras Ballroom)
1:30 – 2:45 PM	Poster Session 8. Aging & Dementia 2 Location: Acadia (Grand Ballroom)				
2:30 – 3:00 PM	PM Coffee Break — Location: Acadia (Grand Ballroom)				
3:00 – 4:00 PM	Plenary F. Contributions to Understanding the Dynamic Course of Alcoholism: An INS Legacy Presenter: Edith V. Sullivan Location: Carondelet (Grand Ballroom)				
4:00 – 5:30 PM	Invited Symposium 5. The Next Generation: A Look at Cohort Studies of People at Risk for Alzheimer's Disease Chair: Sterling C. Johnson Presenters: Therese Barry-Tanner, Sterling C. Johnson, Jason Hassenstab, Anja Soldan, Jennifer Manly, Angela Jefferson Location: Carondelet (Grand Ballroom)	Symposium 9. Depression in Clinical Conditions: Impact on Behavior, Neural Mechanisms and Quality of Life. Chair: Ekaterina Dobryakova Presenters: Ekaterina Dobryakova, Rujvi Kamat, Kelly Bijanki, Yael Goverover, Lauren Strober Location: Bissonet (Grand Ballroom)	Symposium 10. Comorbidities Associated with Neurocognitive Performance in Sports Concussion and MS Chair: Peter Arnett Presenters: Erin Guty, Natalie Grima, Breton Asken, Jessica Zamzow, Cristina Roman Location: Salon D (Mardi Gras Ballroom)	Paper Session 12. Memory Moderator: Roy Kessels Presenters: Katie Osborn, Matthew Grilli, Kaitlin Casaletto, Rowan Saloner, Elodie Bertrand, Sally Vogel Location: Salon E (Mardi Gras Ballroom)	Paper Session 13. Updating Neuropsychological Practice Moderator: Adam Brickman Presenters: Timothy Brearly, RJ Elbin, Heleen Feenstra, Tania Giovannetti, Julija Stelmokas, Christina Wong Location: Salon F-H (Mardi Gras Ballroom)
4:15 – 5:30 PM	Poster Session 9. ABI & Intervention Location: Acadia (Grand Ballroom)				

Saturday, February 4, 2017						
7:20 – 8:50 AM	CE Workshop 11. How Does Evidence-Based Practice Address the 'Replication Crisis' in Clinical Neuropsychology? Presenters: David Loring, Stephen Bowden Location: Bissonet (Grand Ballroom)		CE Workshop 12. Constraint-Induced Therapies for Neurological Disorders: Contemporary Findings, Application to Disorders of Movement, Aphasia, and Visual Perception, and Increased CNS Neuroplasticity Presenter: Victor W. Mark Location: Salon D (Mardi Gras Ballroom)			
9:00 – 9:30 AM	INS Business Meeting (Business & Beignets) Location: Carondelet (Grand Ballroom)					
9:00 – 10:15 AM	Poster Session 10. Peds 2 Location: Acadia (Grand Ballroom)					
10:00 – 11:30 AM	Invited Symposium 6. Translational Neuropsychology: Contemplating the Past and Looking Toward the Future Chair: Adam M. Brickman Presenters: Adam M. Brickman, Deanna Barch, Robert Bilder, Rhoda Au, Russell M. Bauer Location: Carondelet (Grand Ballroom)	Symposium 11. Development and Adaptation of Assessment Instruments: Best Practices, Legal Issues, Training, and Lessons Learned Chair: Lisa Drozdick Presenters: Lisa Drozdick, Anna Nakonechny, Sally Kemp, David Shafer Location: Bissonet (Grand Ballroom)	Symposium 12. Neonatal Hypoxic-ischemic Encephalopathy in the Post-therapeutic Hypothermia Era Chair: Gwendolyn Gerner Discussant: Martha Denckla Presenters: Frances Northington, Ernest Graham, Andrea Poretti, Gwendolyn Gerner, Joanna Burton Location: Salon D (Mardi Gras Ballroom)	Paper Session 14. Cognitively Based Interventions in Aging Moderator: Sylvie Belleville Presenters: Catherine Mewborn, Sharon Simon, Einat Brenner, Sylvie Belleville, Roy Kessels, Angelina Polsinelli Location: Salon E (Mardi Gras Ballroom)	Paper Session 15. TBI Across the Lifespan Moderator: Suzanne Penna Presenters: Nicholas Ryan, Dalin Pulsipher, Jenny Bellerose, Skye McDonald, Nora Presson, Amery Treble-Barna Location: Balcony I-K (Mardi Gras Ballroom, Level Four)	Paper Session 16. Subjective Cognitive Complaints Moderator: Sietske Sikkes Presenters: Sietske Sikkes, Erik Hessen, Rachel Buckley, Katherine Gifford, Stephanie Cosentino, Alexandra Apple Location: Salon A-C (Mardi Gras Ballroom)
10:30 – 11:45 AM	Poster Session 11. Cognition Location: Acadia (Grand Ballroom)					
11:30 – 11:45 AM	AM Coffee Break — Location: Acadia (Grand Ballroom)					
12:00 – 1:00 PM	Plenary G (Kaplan Memorial Lecture). Language and the Brain: From Past Studies to Future Aspirations Presenter: Nina Dronkers Location: Carondelet (Grand Ballroom)					
1:00 – 2:00 PM	Kaplan Lecture Luncheon: A Taste of New Orleans Location: Bissonet (Grand Ballroom)					

OFFICIAL SPONSORS

The International Neuropsychological Society wishes to thank its generous sponsors for their support of the INS 45th Annual Meeting and of the society's educational mission.

Through their sponsorship, these organizations make a valuable contribution to the success of the INS Annual Meeting and towards achieving the INS goals of further enhancing global-scale communication and collaboration between disciplines.



Soterix Medical, Inc.

Soterix Medical is the proud sponsor of the **Thursday Morning Coffee Break**. Please join us in the Exhibit Hall and enjoy a hot beverage courtesy of our gracious sponsor!

10:30–10:45 AM

Thursday AM Coffee Break

Sponsored by Soterix

Acadia (Grand Ballroom)

Soterix representatives look forward to meeting INS attendees at the Thursday AM Coffee Break, or at **Exhibit Booth #19** in Acadia Hall.

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Pearson Clinical Assessment

The 2017 Birch and Kaplan Lecture Series are supported by an unrestricted educational grant from Pearson, in proud support of the INS educational mission. (The INS maintains control over all educational content and materials.)

Thursday, 4:00–5:00 PM

**Birch Lecture by Dr. Richard Andersen
Carondelet (Grand Ballroom)**

Saturday, 12:00–1:00 PM

**Kaplan Lecture by Dr. Nina Dronkers
Carondelet (Grand Ballroom)**

Pearson representatives look forward to meeting INS attendees at **Exhibit Booths #10-12** in Acadia Hall.

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Exhibit Hall

All Annual Meeting attendees are invited to stroll through the INS Exhibit Hall, located in **Acadia Hall** on Level Three, during open hours posted below. Take advantage of discount prices on many journals, books, testing materials, and more, offered especially by our exhibitors for registered INS meeting attendees.

Exhibit Hall Hours:

Wednesday, February 1	3:00 PM–7:30 PM
Thursday, February 2	7:45 AM–6:30 PM
Friday, February 3	7:45 AM–6:00 PM
Saturday, February 4	8:00 AM–11:30 AM

45th Annual Meeting Exhibitors

American Psychological Association (APA)

Booth #1

www.apa.org

ANT–North America

Booth #8

www.ant-neuro.com

Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN)

Booth #13

appcn.org

Brain Vision, LLC

Booth #4

brainvision.com

Cambridge University Press

Booths #6 and 7

www.cambridge.org

CNS Vital Signs

Booth #5

www.cnsvs.com

Guilford Press

Booth #14

www.guilford.com

Hattiesburg Clinic

Booth #3

www.hattiesburgclinic.com

ImPACT Applications, Inc.

Booth #15

www.impacttest.com

NIH Toolbox for the Assessment of Neurological and Behavioral Function

Booth #17

www.healthmeasures.net/explore-measurement-systems/nih-toolbox

Oxford University Press

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global.oup.com

PAR, Inc.

Booths #21 and 22

www4.parinc.com

Pearson

Booths #10, 11, and 12

www.pearsonassessments.com

Routledge | Taylor & Francis Group

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www.routledge.com

Soterix Medical, Inc.

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INS Awards Program

The International Neuropsychological Society's Awards Program is intended to recognize the many achievements of accomplished INS members.

Awards Ceremony

Please join us in support of your deserving colleagues at the INS Awards Ceremony on Wednesday, February 1st at 5:30 PM in Carondelet, where we will honor the recipients of this year's awards.

We wish to thank Roy Kessels and the Awards Committee, as well as Mark McCurdy and the Student Liaison Committee, for their invaluable contributions to this meeting.

About the INS Awards Program

Major INS Awards

Major INS Awards are given in recognition of scientific achievement in Early Career, Mid-Career (the Arthur Benton Award), or for a Lifetime of Achievement in research, education or service in the field of neuropsychology. The INS Distinguished Career Award may be given to recognize those individuals who have enjoyed extended careers and who have made major, sustained contributions to the field of neuropsychology and the Society. The Paul Satz-INS Career Mentoring Award, given in honor of Dr. Paul Satz and sponsored by PAR, Inc., is given to recognize mentoring and teaching activities that have profoundly impacted the careers of students in the field of neuropsychology.

INS Program Awards

INS Program Awards are selected by the Program Committee for each INS Meeting in recognition of the Meeting's most outstanding scientific contributions. For the Annual Meeting, program awards include the Nelson Butters Award for the most outstanding submission by a postdoctoral fellow, the Phillip M. Rennick Award for most outstanding submission by a graduate student, and the Laird S. Cermak

Award for the best submission in the field of memory or memory disorders. In conjunction with the INS Program and Awards Committees, the INS Student Liaison Committee recognizes an additional five students for their meritorious abstract submissions at each INS meeting through the selection of the SLC Student Research Awards.

Nominations & Eligibility for the INS Awards Program

To inquire about award nominations, please visit the-ins.org/ins-awards, or email INS@utah.edu.

NOMINATIONS FOR MAJOR INS AWARDS

The INS Awards Committee accepts nominations annually from INS members for major INS Awards, including Career or Lifetime Awards, and the Paul Satz-INS Career Mentoring Award. Nominations are welcome at any time, but must be submitted by certain dates in order to be considered for an award at specific upcoming meetings.

Winners are selected by the Awards Committee, according to posted criteria, with approval from the INS Governing Board.

ELIGIBILITY FOR INS PROGRAM AWARDS

All abstracts that are submitted to the Annual and Mid-Year Meetings are screened and considered for eligible Program Awards.

INS Awards Committee

The INS Awards Committee was created to recommend current and past members to the Board of Governors for the purpose of recognition of outstanding achievement in areas related to Neuropsychology.

Roy Kessels has served as the Chair of the INS Awards Committee since February 2016.

Previous INS Award Winners

Please visit the INS website for complete descriptions of each INS award and to view previous award winners:

www.the-ins.org/ins-awards

Paul Satz-INS Career Mentoring Award, Sponsored by PAR:

Robert K. Heaton, PhD



Every neuropsychologist is aware of Dr. Bob Heaton's tremendous impact on our field, but not everyone may be aware of one particular aspect of his extraordinary career: that he is one of the most exceptional mentors in neuropsychology. Dr. Heaton is unparalleled as a mentor, and those whom he has mentored speak very highly of the commitment, patience, and encouragement he has shared with them over the years. Each of Bob's mentees considers him to be fundamental in the launching of their careers, and they share their joy in his receipt of this award.

Bob's academic achievements have provided an outstanding foundation of research studies for his mentees. He is author in a jaw-dropping number (over 400!) of peer-reviewed manuscripts, books, test manuals, and chapters, many of which have provided the foundation for neuropsychology research and practice. Even a cursory review of these publications reveals the opportunities that he has provided his students to serve as first or contributing authors, and the supporting role that he played in the career of many neuropsychologists, many who are now independent investigators as well. He has never

allowed his seniority to dampen his interest in involving students in his writing projects. His leadership and involvement in numerous NIH grants provided countless opportunities for students to leverage ongoing studies.

Bob's passion about scientific inquiry has led to his internationally recognized, groundbreaking achievements in normative neuropsychology and measurement of cognition and function. In fact, his innovative work spans the globe. Bob has mentored across national borders. He was instrumental in guiding the development of a neuropsychology Master's program in Zambia, where our profession is in its infancy, which included training students to collect normative data for the region. Through his HIV research collaborations, he has promoted the importance of culturally appropriate test adaptations and has helped train investigators to develop much needed regional norms, including in China, Cameroon, India, and Nigeria. His passion for improving the toolkit of our discipline led him to support countless master's theses and dissertations on topics related to the validity and precision of neuropsychological measures.

It is noteworthy that Bob has been a champion of gender equity and cultural considerations in neuropsychological assessments. In his quest for making "best practices" standard, he heralded the first effort for large scale normative standards that adjust for race/ethnicity. His courage in challenging the status quo and recognizing the limits of our discipline validated the interests of his students and provided a model for how we might tackle difficult challenges while maintaining high standards for intellectual and ethical integrity. Bob taught us how to conduct research ethically in all contexts, including in international work and among vulnerable populations. He taught us the rules of authorship and the importance of including all contributions, even relatively small ones, in resulting manuscripts.

Bob's dedication to mentoring is unparalleled. As the co-director of the SDSU/UCSD Joint Doctoral Program and a postdoctoral supervisor, Bob has been able to influence the lives of hundreds of clinical psychologists, not just those specializing in neuropsychology. As Vice Chair for Academic Affairs in his department, he makes himself available to mentor many dozens of junior and mid-career faculty members on navigating their academic advancement. His capacity to nurture the careers of students and colleagues at all levels is truly remarkable. He has trained hundreds of graduate students, as well as mentored many of us throughout our early careers. Despite his busy schedule, he makes himself available for consultation and collaboration. He always has time for us. He is our biggest advocate and provides meaningful advice when needed all the while recognizing that each of us have our own unique career paths. Nothing delights Bob more than learning about the success, both professional and personal, of his former mentees. As such, numerous current and former students gather annually for what has now come to be affectionately referred to as "Breakfast with Bob" at INS meetings.

Not only have Bob's students' own careers benefited from his mentorship, but they have learned from him how to mentor their own students, and they continue to do so in a wide variety of settings, including universities designed to serve undergraduate and graduate students, R1 institutions and clinical settings.

Finally, Bob's service to the International Neuropsychological Society has guided and inspired his mentees to become members who are active in the scientific program and leadership of the society. Through his broad networks of colleagues, he created opportunities for collaboration, sparked conversations that later led to internships, fellowships, and early career positions, and solidified INS as a welcoming home for all of us.

INS Lifetime Achievement Award for Service:

Robert A. Bornstein, PhD



No individual has ever been honored — or even nominated — to receive the INS Lifetime Achievement in Service Award, but it is difficult to imagine anyone in the history of the Society who is more deserving than Dr. Robert A. Bornstein.

Bob joined the International Neuropsychological Society as a student 42 years ago, in 1974, when the Society was just seven years old and still quite small. Bob quickly became a regular and active participant in INS meetings, and just three years after obtaining his PhD, he served on the 1984 INS Program Committee. In 1988, Bob was elected to the INS Board of Governors, and during his three-year term, he served the Society once again — this time as the Chair of the 1991 Program Committee. Immediately thereafter, with no break in his service, he was elected as INS Secretary. He held this post

until 1994, when he began his first of four consecutive five-year terms as the INS Executive Secretary (now called Executive Director).

In all, Bob has served the INS in key leadership roles for 26 consecutive years. For much of that time, he performed the critical job of Executive Secretary — arguably the most important and demanding position in the Society. In this position, he ably served 20 different Presidents and Governing Boards; liaised with countless committee chairs; worked closely with the INS Treasurer to plan budgets and coordinate expenditures; established and supervised highly efficient administrative operations (including overseeing membership issues and dues collections, meeting site selection, meeting planning and operations for both yearly meetings, and more); developed formal Governing Board meeting agendas in collaboration with the presiding INS Presidents; and generally provided the broad communication and coordination necessary for the smooth and effective running of the Society. The fact that Bob was repeatedly selected to continue to serve in this position, by four different Governing Boards, attests to his impressive administrative and political effectiveness, his unfailing dependability and good judgment, and his seemingly endless dedication to the job and the Society at large.

Bob did all of this for the INS while pursuing a remarkably successful academic career at the Ohio State University, where he established and directed the Neuropsychology Program from 1985-2013, made seminal

contributions to our scientific literature regarding multiple topics (e.g., measurement issues, Tourette Syndrome, schizophrenia, TBI, and HIV infection), mentored countless students and postdoctoral fellows, and rose to increasingly important leadership posts within the University. The latter included being appointed as Vice Chairman and then Interim Chairman of his medical school department (1991-97; 1997-00); Associate Dean for Faculty Affairs (1999-02); and now Associate Vice Dean for Academic Affairs (2002-present), Associate Vice President for Health Sciences (2003-present), and Administrative Vice Dean (2012-present). He also has served on editorial boards of 12 scientific journals (including JINS and all other major neuropsychology journals) and NIH study sections, and has held leadership positions in American neuropsychology organizations such as the American Board of Clinical Neuropsychology and the Neuropsychology Division (Division 40) of the American Psychological Association. This included service on the INS-Division 40 Joint Task Force on Education, Accreditation and Credentialing, and as Chair of its Subcommittee on Guidelines for Continuing Education.

Despite all of Bob's other impressive leadership activities and accomplishments, his activities within the INS were always top priorities and labors of love — INS has been and remains his professional and academic home. There may never be a more appropriate recipient for the INS Lifetime Achievement in Service Award than Dr. Bob Bornstein. On behalf of INS past, present, and future — thank you Bob!

The INS Award for Early Career Research:

R. Shayna Rosenbaum



INS Early Career Award Presentation: A Case Study Approach to Understanding Memory

**Thursday, February 2
12:45 to 1:45 PM
Salon F-H**

Abstract

Much of what we know about brain-behavior relations is made possible by the study of neuropsychological cases. Given the ubiquity of functional neuroimaging studies, and the importance they have assumed in elucidating brain function, the goal of my talk is to describe how single cases continue to challenge accepted dogma, to lead to new discoveries, and to suggest hypotheses and theories that steer the field in new directions. Using memory as an example, I will discuss recent findings from case studies that specify critical functions of the hippocampus in episodic memory and spatial memory, and clarify its role in non-mnemonic abilities. Together, this work provides novel, theoretical insights on the nature of hippocampal-neocortical interactions and the types of memory they help represent.

The Arthur Benton Award for Mid-Career Research:

Melissa Lamar



INS Arthur Benton (Mid-Career) Award Presentation: Subtle Brain-Behavior Biomarkers of Modifiable Cardiovascular Disease Risk Factors: Implications for Minority Health Disparities, Aging and Dementia

**Friday, February 3
1:00 to 2:00 PM
Salon F-H**

Abstract

Mid-life cardiovascular disease risk factors (CVD-RFs) such as hypertension (HTN) and diabetes (DM) and associated cerebrovascular disease contribute to late-life risk and development of dementia including Alzheimer's disease (AD). Dr. Arthur Benton himself was one of the first to speculate on the role of cerebrovascular disease on brain aging. The US population has changed since initial work in this area was conducted. For example, ~55 million Hispanics live in the US, representing 17% of the population; these numbers will more than double by 2060 to ~130 million or 31% of the US population. While Hispanics have a lower prevalence of the APOE4 allele, a known genetic risk for AD, they have some of the highest prevalence rates of DM and uncontrolled HTN in the US. Given HTN-related treatment and control in Hispanics lags behind US trends by 10-15%, higher CVD-RF prevalence combined with treatment-related health disparities may predispose Hispanics not only to an earlier and increased risk for AD but a more protracted course of dementia. Thus, work to identify preclinical markers of accelerated brain aging earlier - in early to mid-life before the clinical onset of dementia and its extensive neuropathology - is critical. Dr. Arthur Benton dedicated his career to the promotion of novel and objective neuropsychological techniques to promote understanding of neurological impairment. In that spirit, I will review work to (1) expand neuropsychological outcomes to reveal subtleties of behavior related to CVD-RFs and associated cerebrovascular disease in non-Hispanic whites, (2) apply these techniques in Hispanics including results related to treatment-related control of CVD-RFs and cognition, and (3) advance neuropsychological assessment and neuroimaging toward identifying brain vulnerability as opposed to overt brain damage associated with CVD-RFs in Hispanics. Only with subtle brain-behavior biomarkers will we be able to detect vulnerability to pathological aging in Latinos at increased risk for earlier adverse outcomes.



Aarti Nair, University of California, Los Angeles, Semel Institute

Appearing in Poster Session 3. Peds 1 (Thursday, 9:30–10:45 AM, Acadia)

#70. Altered thalamocortical connectivity in the first-year of life correlates with early social difficulties in high-risk siblings of children with autism

AUTHORS: Aarti Nair, James Yang, Carolyn Ponting, Tawny Tsang, Janelle Liu, Hilary Bowman, Lisa Jackson, Susan Bookheimer, Mirella Dapretto

Objective: In prior studies (Nair et al., 2013; Nair et al., 2015), we demonstrated that children with autism showed mostly reduced connectivity especially for prefrontal-thalamic networks, accompanied by overconnectivity within temporal-thalamic networks. Given the importance of early identification of biomarkers and endophenotypes of autism, it is crucial to understand how early in the developmental process these differences in thalamocortical networks emerge.

Participants and Methods: Resting-state functional connectivity (rs-fcMRI) data were acquired during natural sleep for 22 infant siblings (9 months old) of children with autism (high-risk group; HR) and

16 infants at low risk (LR) for autism. Analyses were undertaken to examine thalamo-cortical connectivity and to relate connectivity strength in thalamocortical networks to scores on the Autism Observation Scale for Infants (AOSI), Social Responsiveness Scale-2 (SRS-2), and Sensory Profile-2 (SP-2).

Results: Results indicate that the HR group showed thalamocortical patterns similar to older ASD children and adolescents in our prior studies. More specifically, as compared to the LR group, the HR group demonstrated marked bilateral underconnectivity within prefrontal-thalamic networks, and overconnectivity within right temporal-thalamic networks. Temporo-thalamic

overconnectivity in the HR group was correlated with higher scores, indexing early social difficulties, on the AOSI ($r=.50$, $p=.02$) and SRS-2 ($r=.79$, $p=.002$). In contrast, prefrontal-thalamic underconnectivity in the HR group was correlated with poorer sensory responsivity to visual ($r=-.66$, $p=.01$) and auditory ($r=-.62$, $p=.02$) stimuli on SP-2.

Conclusions: These findings suggest that subcortical-cortical connectivity may be disrupted as early as the first months of life in HR infants, and that the altered connectivity may be associated with severity of early social difficulties.



Sharon Simon, University of São Paulo, Psychiatry

Appearing in Paper Session 14. Cognitively Based Interventions in Aging (Saturday, 10–11:30 AM, Salon E)

#2. Cognitive and Neuroimaging Changes After Mnemonic Strategy Training in Amnesic Mild Cognitive Impairment: a Randomized, Single-Blind Study

AUTHORS: Sharon S. Simon, Benjamin M. Hampstead, Mariana da Silva, Luciana Mascarenhas, Renata Ávila, Fábio H. Porto, Sonia Brucki, Camila B. Martins, Fábio L. Duran, Lyssandra D. Tascone, Maria da Graça M. Martin, Edson Amaro Junior, Geraldo Busatto Filho, Cássio M. Bottino

Objective: To evaluate the efficacy of mnemonic strategy training (MST) versus an active education control program (EP) in patients with amnesic mild cognitive impairment (aMCI).

Participants and Methods: Thirty participants with aMCI were randomized to MST for face-name associations or to EP. All patients completed 4 individual 1-hour sessions, twice a week, over a 2-week period. At baseline, participants completed clinical and neuropsychological assessments as well as CSF and MRI exams. During fMRI, the subjects underwent a face-name encoding task and then completed the Face-Name Recognition Task (FNRT)

outside the scan following a 30-minute delay. One-week after the programs, fMRI and the FNRT were repeated. The FNRT was also repeated at 1 and 3-month follow-ups.

Results: Groups were comparable at baseline. MST significantly improved memory for the trained face-name associations relative to EP ($p<0.001$, $d>0.8$), which remained significant after 1 and 3-months ($p<0.001$, $d>0.8$). fMRI results in the MST group revealed increased activation in parietal (bilateral precuneus and angular gyrus) and frontal regions (portion of right precentral gyrus and left middle frontal gyrus), compared to EP. Regarding transfer effects, the MST

group showed a trend toward better performance on novel stimuli ($p=0.07$; $d=0.35$ after 1-week; $d=0.62$ after 1-month, $d=0.75$ after 3-months), and were slower to recall names relative to EP after 1-week ($p=0.02$, $d=0.79$); a finding that suggests the use of MST. These behavioral effects were again accompanied by increased frontal and parietal activation compared to EP.

Conclusions: MST effectively improved memory for specific content in patients with aMCI, with benefits persisting at 3 months. Patients also appeared to generalize training to novel stimuli.



Rowan Saloner, University of California, San Francisco, Neurology

Appearing in Paper Session 12. Memory (Friday, 4–5:30 PM, Salon E)

#4. Worth the Wait: Performance on a One-Week Delayed Recall Task is Associated With Medial Temporal Lobe Structures and Subjective Memory Complaints in Normal Adults

AUTHORS: Rowan Saloner, Kaitlin B. Casaletto, Shubir Dutt, Matthew Wynn, Jordan Stiver, Emily Fox, Joel Kramer

Objective: Traditional episodic memory tests employ a delayed recall length ranging from 10-30 minutes. However, these tests may be insensitive to subtle neuroanatomical changes found in early disease or age-related decline. We aimed to determine the sensitivity of a 1-week delayed recall paradigm to both medial temporal lobe (MTL) structure and subjective memory symptoms among cognitively normal older adults.

Participants and Methods: 159 functionally intact, older adults (mean age=76.0) completed a story recall task (Fishermen Story; FS) in which all subjects learned to a criterion of 90%. Recall was tested after 30-minutes

and 1-week. Subjects also received the CVLT-II and a subset of participants ($n=137$) completed a structural brain MRI and the Everyday Cognition Self-Report questionnaire. Primary neuroanatomical ROIs were the hippocampus and entorhinal cortex (ERC).

Results: FS 30-min and CVLT-II 20-min recalls showed little-to-no relationship with MTL after controlling for age and total intracranial volume. FS correlated .17 with ERC ($p=.048$) but .14 (ns) with hippocampus. CVLT-II delayed recall did not correlate with either structure. In contrast, 1-week delayed recall of FS demonstrated significant, meaningful relationships with ERC ($r=.28$;

$p=0.001$) and hippocampus ($r=.20$, $p=0.02$). Furthermore, poorer FS performance at 1-week correlated with increased subjective memory symptoms ($r=-.23$; $p=0.009$). CVLT-II and 30-minute FS recall were not associated with memory symptoms ($ps>0.05$).

Conclusions: Memory paradigms that utilize one-week delays are more sensitive than standard paradigms to MTL volumes and subjective memory symptoms in normal older adults. Findings suggest that longer delay periods may improve detection of memory consolidation changes associated with age-related neurobehavioral decline.

The INS Student Liaison Committee (SLC), in conjunction with the INS New Orleans Program Committee, recognizes the following five students and trainees as well-deserving recipients of the **SLC Student Research Award**.



Megan Glenn

Graduate Student
Widener University,
Institute for Graduate
Clinical Psychology

#5. Primacy Effects in Cognitively Normal Older Adults with Alzheimer's Disease Pathology

AUTHORS: Megan A. Glenn, Stephen T. Moelter, Kenneth Goldberg, Dara Fisher, Robert S. Wilson

Paper Session 1. Risk & Alzheimer's

Thursday, 9–10:30 AM, Salon E (Mardi Gras Ballroom)



Catherine Mewborn

Graduate Student
University of Georgia

#1. Cognitive interventions for older adults: A systematic review and meta-analysis of randomized controlled trials

AUTHORS: Catherine Mewborn, Cutter Lindbergh, L. Stephen Miller

Paper Session 14. Cognitively Based Interventions in Aging

Saturday, 10–11:30 AM, Salon E (Mardi Gras Ballroom)



Anny Reyes

Graduate Student
New York University
School of Medicine,
Neurology

#40. Reduced frontal lobe neuronal activity at rest contributes to executive function decrements in patients with temporal lobe epilepsy

AUTHORS: Anny Reyes, Thomas Thesen, William Barr, Chris Morrison, Carrie McDonald, Ruben Kuzniecky, Orrin Devinsky, Karen Blackmon

Poster Session 1. Epilepsy & Neuroscience

Wednesday, 2:45–4 PM, Acadia (Grand Ballroom)



Madeleine Werhane

Graduate Student
SDSU/UC San Diego
Joint Doctoral Program
in Clinical Psychology

#5. Elevated pulse pressure and apolipoprotein-E genotype interact to affect functional decline in cognitively normal older adults

AUTHORS: Madeleine L. Werhane, Kelsey R. Thomas, Emily C. Edmonds, Katherine J. Bangen, Alexandra L. Clark, Daniel A. Nation, Mark W. Bondi, Lisa Delano-Wood

Paper Session 5. Vascular Disease and Injury

Thursday, 5–6:30 PM, Bissonet (Grand Ballroom)



Kathryn Wyman-Chick

Postdoctoral Fellow
University of Virginia,
Department of
Neurology

#94. Neuropsychological Test Performance in Parkinsonism Without Dopaminergic Deficiency on [123I]-FP-CIT SPECT Imaging

AUTHORS: Kathryn A. Wyman-Chick, Carol A. Manning, Scott A. Sperling

Poster Session 8. Aging & Dementia 2

Friday, 1:30–2:45 PM, Acadia (Grand Ballroom)

ABOUT THE INS

The International Neuropsychological Society (INS) is a multidisciplinary, international organization dedicated to enhancing communication among the scientific disciplines that contribute to the understanding of brain-behavior relationships and to promoting the international and interdisciplinary study of these relationships throughout the lifespan. The Society's emphasis is on science, education, and the applications of scientific knowledge.

INS members include cognitive and clinical neuropsychologists and psychologists, neurologists, psychiatrists, speech-language pathologists, and specialists of related disciplines. They include esteemed scientists and clinicians from the world's most prestigious universities and institutions, private practitioners, and trainees just embarking on their careers.

INS Annual & Mid-Year Meetings

INS holds two meetings per year that provide a venue for cognitive and clinical neuroscientists from around the world to share their research and increase their understanding of the driving forces behind cognition and behavior.

The **INS Annual Meeting** is held in North America every February and the **INS Mid-Year Meeting** is held internationally every July. Each meeting offers three to four days of scientific and continuing education programming. Both INS meetings are open to members and non-members, and to professionals and trainees of all levels. Attendees represent neuropsychology and a variety of other disciplines.

Contact the INS at:

The International Neuropsychological Society (INS)
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Future INS Meetings

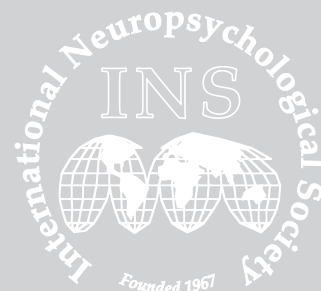
2017 Mid-Year Congress	5-8 July 2017	Cape Town, South Africa
46th Annual Meeting	14-17 February 2018	Washington, D.C., USA
2018 Mid-Year Meeting	18-21 July 2018	Prague, Czech Republic
47th Annual Meeting	20-23 February 2019	New York City, New York, USA
2019 Mid-Year Meeting	July 2019	Rio de Janeiro, Brazil
48th Annual Meeting	5-8 February 2020	Denver, Colorado, USA

New Members Welcome!

INS welcomes new members! Prospective members may learn more about the Society and complete an online membership application at www.the-ins.org.

Benefits of Membership:

- **Discounted registration & CE rates** at both INS meetings
- **Expand your network** » Meet and get to know fellow members from all over the globe by attending an INS meeting, or through the expanded INS website (coming in 2017!)
- **FREE access to JINS** » Available ONLY to INS members! Electronic access to JINS includes all previous years of publication—or pay just \$40 per year to receive the printed edition by mail
- **INS Member Directory** » Exclusive online access for members only
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- **Video Interviews of Neuropsychology Leaders** » Member-only access of interviews with major thought leaders in the field and will include the Birch and Kaplan Lectures
- **Prestigious awards** » Nominate or be recognized for work in the field of neuropsychological science and education
- **Get involved** » Become active with committees or board leadership, and help guide the future of INS
- **INS Listserv** » Especially for students and trainees
- **Be a leader** » Work with the INS-SLC (Student Liaison Committee) or mentor a student associate member
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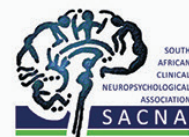
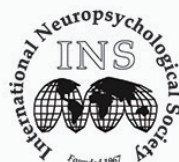
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Keynote Speakers Include:

- Michael Kopelman (St. Thomas Hospital, UK) —
INS Presidential Address: "Neuroscience, Memory and the Law"
- Donald Stuss (University of Toronto, Canada) —
The Birch Memorial Lecture: "Personalized Medicine: The Role of Neuropsychology"
- Jennifer Manly (Columbia University, USA)
- Jonathan Evans (University of Glasgow, UK)
- Andrew Mayes (University of Manchester, UK)
- Michael Saling (University of Melbourne, Australia)

We look forward to welcoming you to Cape Town in 2017!



SAVE THE DATE

**INS 46th Annual Meeting
February 14-17, 2018
Washington, DC**



Images courtesy of washington.org

**2018 Mid-Year Meeting: PRAGUE
18-21 July 2018**



**International Neuropsychological Society
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PLENARY ADDRESSES



Plenary A. The Impact of the Past on Current and Future Views of Limb Apraxia — Kathleen Y. Haaland, PhD, INS President

WEDNESDAY, 4:30–5:30 PM,
CARONDELET (GRAND BALLROOM)

Kathleen Haaland, PhD
Professor of Psychiatry & Neurology, University of New Mexico

This presentation will explore the impact of single cases on past and current conceptualizations of limb apraxia including the work of Hugo Liepmann and several previous INS presidents (Geschwind, Kaplan, Heilman, and Gonzalez Rothi). Videotapes of classic apraxic syndromes will be presented. A major focus will be on how the views of the cognitive and neuroanatomical

correlates of limb apraxia have changed from the 19th to the 21st century leading to the current emphasis on a left hemisphere cortical network with a left parietal node. Unanswered questions, including the differential roles of left parietal, temporal, and frontal regions in limb praxis, will be discussed in the context of future work that utilizes multi-method approaches that integrate lesion studies with functional imaging and stimulation studies.

Following this lecture, the learner should be able to: 1) Delineate one way that Liepmann's cases influenced his theory of limb apraxia; 2) Discuss one major difference between Geschwind's view and Heilman and Gonzalez Rothi's view of the parietal lobe's role in limb apraxia; 3) Specify one function of the left parietal lobe in limb apraxia; 4) List two methods that have informed current understanding of the neuroanatomical substrates of limb praxis to emphasize a broad left hemisphere network with critical node in the left parietal lobe.



Plenary B. Frontal Cortex and Human Behavior: Evidence from Intracranial Recording — Robert T. Knight, MD

THURSDAY, 10:45–11:45 AM,
CARONDELET (GRAND BALLROOM)

Robert T. Knight, MD
Professor of Psychology and Neuroscience, Helen Wills Neuroscience Institute, University of California, Berkeley

Neuropsychological evidence has documented the critical role of prefrontal cortex (PFC) in the control of cognitive and social processing with extensive lateral or orbital PFC damage resulting in a profound disintegration of goal-directed behavior. This lecture will first describe novel neural activity linked to cognition recently unveiled by intracranial recordings in humans. Second, these brain signals will be used to link PFC function to cognitive control across a range of tasks. Direct cortical recording (electrocorticography;

ECoG) provides unique insights in the role of PFC in cognition and social interaction. Since the discovery of the EEG in the 1920's, neurophysiological dogma stated that the human cortex did not generate reliable rhythms above 50-60 Hz. However, findings over the last decade report neural activity up to 250 Hz in the human cortex. Every cognitive process examined with intracranial recording including language, attention, memory and decision-making generates task-specific high frequency activity in the range of 70-250 Hz (high frequency band; HFB). Importantly, the HFB band has superb spatial localization and task specificity. HFB recording has provided novel insights into the role of Broca's area in language processing, the hierarchical organization of PFC, and the critical role of PFC in contextual processing, decision making and working memory. Importantly, the HFB is phase locked to the trough of slower cortical oscillations with different PFC dependent tasks eliciting unique spatial patterns of HFB-theta coupling. These results provide evidence that transient coupling between low- and high-frequency brain activity provides a mechanism for effective communication in distributed neural networks engaged during PFC dependent cognitive processing. The results obtained from the study of PFC patients and from intracranial recording support the proposal that the devastating human prefrontal syndrome can be viewed as a failure of PFC control of distributed neural networks subserving human behavior.

Following this lecture, the learner should be able to: 1) Understand the role of high frequency brain activity in cognition; 2) Understand the role of low frequency brain oscillations in establishing networks supporting cognition; and 3) Understand the key role of prefrontal cortex in orchestrating neural networks in the service of cognition.



Plenary C. Developmental Amnesia: Memory Formation in the Absence of Remembering — Faraneh Vargha-Khadem, PhD

THURSDAY, 2:45–3:45 PM,
CARONDELET (GRAND BALLROOM)

Faraneh Vargha-Khadem, PhD
Professor, Developmental Cognitive Neuroscience, University College London Institute of Child Health

Developmental Amnesia, a disorder resulting from early bilateral damage to the hippocampus, is characterized by four dissociations in memory processes, viz: severe impairment of episodic and autobiographical memory, spatial navigation, recall, and recollection, in the presence of spared semantic memory, perception, recognition and familiarity. This lecture will (a) review the history of cognitive memory research in adults and children, (b) examine the evidence for the neural circuits serving different components of memory processes, (c) relate the

findings in humans to results of lesion studies in non-human primates, and (d) provide preliminary evidence on new methods of learning and memory retrieval in patients with developmental amnesia. The lecture aims to differentiate between neural systems that support the development of intelligence and knowledge acquisition versus memory and learning. As a result of attending this lecture, the audience will learn how to (1) diagnose the syndrome of developmental amnesia in children and adolescents, (2) use neuroimaging evidence to determine which components of cognitive processes are compromised, and (3) become familiar with translational research techniques for learning new information in the presence of early damage to the hippocampus.



Plenary D (Birch Memorial Lecture). Cognitive Neural Prosthetics to Overcome Brain and Spinal Cord Injury — Richard A. Andersen, PhD

THURSDAY, 4:00–5:00 PM,
CARONDELET (GRAND BALLROOM)

Richard A. Andersen, PhD
James G. Boswell Professor of Neuroscience, Caltech

Neural prosthetics are designed to assist patients paralyzed from spinal cord injury, peripheral neuropathies, and stroke. Neural activity is recorded and decoded to determine the subjects' intent, which can then be used to control assistive devices such as robots or computers. Initial proofs of concept can be traced back to studies in animals as early as the late 1950s and early 1960s.

At the turn of this century there have been a handful of clinical studies in humans in which implants of arrays of microelectrodes were made in the motor cortex of tetraplegic participants. On the other hand, posterior parietal cortex (PPC) provides high-order intent signals to motor cortex that are then used by motor cortex to control the muscles. We reasoned that the high-level intent signals of PPC could be easily interpreted by "smart" robotic systems, enhancing the versatility and intuitiveness of brain control.

In the course of PPC recordings with tetraplegic humans we have uncovered remarkable cognitive features that we have used for prosthetic control. Imagined goals and sequences can be decoded extremely rapidly, both sides of the body are represented which promises bilateral control, and complete hand shapes are encoded by single neurons allowing grasp control with very few cells. Individual finger movements are well represented and have even allowed a subject to perform brain controlled typing on a virtual keyboard and playing a simple melody on a virtual piano. Neurons are selective for very high order cognitive features such as both imagined and observed movements, and the representation of numerical quantities and simple mathematical operations. These wide-ranging findings point to future advanced neuroprosthetic applications in which PPC and other cognitive cortical areas are tapped for the unique cognitive variables they represent.

Following this lecture, the learner should be able to: 1) Learn how neural prosthetics can help people with paralysis; 2) Learn what distinguishes a motor prosthetic from a cognitive prosthetic; and, 3) Understand how touch sensation is important for manipulation of objects with the hand and how this sensory feedback might be recreated for people with paralysis and loss of somesthesia.



Plenary E. Behavioral Clusters and Brain Network Mechanisms of Impairment and Recovery
— Maurizio Corbetta, MD
FRIDAY, 11:00 AM–12:00 PM,
CARONDELET (GRAND BALLROOM)

Maurizio Corbetta, MD
 Professor & Chair of Neurology, University of Padua
 Professor of Neurology, Radiology, Neuroscience, & Bioengineering, Washington University School of Medicine

A long-held view is that stroke causes many distinct neurological syndromes due to damage of specialized cortical and subcortical centers. However, in recent studies on a large cohort of first time stroke subjects studied longitudinally at 2 weeks, 3 and 12 months, we showed that a few clusters of behavioral deficits spanning multiple functions explained neurological impairment. These clusters are stable across recovery indicating that they represent a stable solution to describe impairment. It has been also proposed that focal

lesions cause remote physiological abnormalities, but the behavioral relevance of these changes vis-a-vis structural damage is unknown. In separate studies we measured resting functional connectivity fMRI (FC), lesion topography, and behavior in multiple domains (attention, visual memory, verbal memory, language, motor, and visual), and used machine-learning models to predict neurological impairment in individual subjects. We found that visual memory and verbal memory were better predicted by FC, whereas visual and motor impairments were better predicted by lesion topography. Attention and language deficits were well predicted by both. These results link key organizational features of brain networks to brain-behavior relationships in stroke.

After attending the lecture, participants will be able to: 1) Describe the three factors that explain human cognitive performance post-stroke; 2) Differentiate between anatomical and functional analysis of brain connectivity and topography; 3) Explain the main mechanism of dysfunction of brain networks post-stroke; 4) Explain the main mechanisms of recovery at the brain network level post-stroke.



Plenary F. Contributions to Understanding the Dynamic Course of Alcoholism: An INS Legacy
— Edith V. Sullivan, PhD
FRIDAY, 3:00–4:00 PM,
CARONDELET (GRAND BALLROOM)

Edith V. Sullivan, PhD
 Professor, Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine

Alcohol Use Disorder (AUD) has been a major cause of family, social, and personal strife for centuries, with current prevalence estimates of 14% for 12-month and 29% lifetime AUD. Neuropsychological testing of selective cognitive, sensory, and motor functions complemented with in vivo brain imaging has enabled tracking the consequences of AUD, which follows a dynamic course of development, maintenance, and recovery or relapse. Controlled studies of alcoholism have revealed evidence for disruption of selective functions involving executive, visuospatial, mnemonic, emotional, and balance

abilities and brain systems supporting these functions, notably, frontocerebellar, frontostriatal, and frontolimbic circuitry. On a hopeful front, longitudinal study provides convincing evidence for improvement in brain structure and function following sustained sobriety. These discoveries have a strong legacy in INS, starting from its early days when assumptions regarding which brain regions were disrupted relied solely on patterns of functional sparing and impairment deduced from testing. Today's work using refinements in assessment and multi-modal neuroimaging builds on that legacy, moving the field toward examination of compensatory processes to overcome impaired functions.

Following this lecture, the learner should be able to: 1) Recognize that alcohol dependence disrupts selective brain structures and functions; 2) Appreciate that alcoholism-related functional brain changes are a form of neuroadaptation that may underlie dysfunction, making alcoholism a self-perpetuating disorder; 3) Learn that sustained sobriety can result in improvement in brain structure and function, indicative of damage reversal or compensatory mechanisms that can be identified with formal neuropsychological testing and longitudinal, quantitative structural and functional brain imaging.



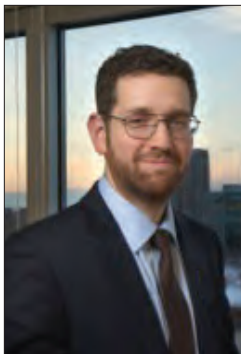
Plenary G (Kaplan Memorial Lecture). Language and the Brain: From Past Studies to Future Aspirations
— Nina Dronkers, PhD
SATURDAY, 12:00–1:00 PM,
CARONDELET (GRAND BALLROOM)

Nina Dronkers, PhD
 Adjunct Professor, Department of Neurology, University of California, Davis
 Research Career Scientist, Department of Veterans Affairs Northern California Health Care System

Past approaches to the study of language and the brain have focused largely on the contributions of Broca's and Wernicke's areas. By using advanced neuroimaging techniques with individuals who have aphasia, we have now learned that language is an extraordinarily complex system that requires an extensive and interactive network of brain regions to sustain it. We have also learned that an intricate system of fiber pathways connect these regions together and has been underestimated in terms of its importance in supporting language. This information has advanced our understanding of how the brain processes language in important ways, while inviting future investigations to the study of brain-behavior relationships.

embrace novel approaches to the study of brain-behavior relationships. This lecture is intended to help the listener 1) compare past versus present methods of assessing brain-language relationships, and 2) incorporate localizationist models of language and cognition with a network perspective to better understand the neural mechanisms of language and cognition.

INVITED SYMPOSIA



Invited Symposium 1. Electrical Brain Stimulation and Cognitive Disorders

THURSDAY, 9:00–10:30 AM,
CARONDELET (GRAND BALLROOM)

CHAIR: MAROM BIKSON

PRESENTERS: MAROM BIKSON,
ADAM J. WOODS, LEIGH CHARVET

Symposium Summary:

Non-invasive electrical stimulation is investigated to remedy cognitive decline associated with a wide range of neuropsychiatric disorders and brain injury, as well as cognitive aging and neurodegenerative disease. This session focuses on one brain stimulation approach, transcranial Direct Current Stimulation (tDCS) that has emerged as a promising intervention to accelerate response to other cognitive or behavioral treatments. Applications span cognitive disorders of stroke, TBI, MS, epilepsy, chronic pain, and age related deficits. tDCS is considered sufficiently tolerated that human trials on cognitive function even include healthy volunteers. Indeed, it is work in healthy subjects that established the basic mechanisms and plausibility of applying tDCS as a clinical intervention. This session covers the technical basics, mechanisms, and applications of tDCS. Insight from animal studies and human neurophysiology indicate tDCS has the broad capacity to modulate cortical excitability and enhance ongoing plasticity. In its function as an enhancer of ongoing activity; tDCS is used in clinical trials along with cognitive or behavioral training. For example, in the treatment of age- or MS- related cognitive decline, tDCS is applied with computerized “brain games” or “cognitive training” to facilitate the neuroplastic response of brain tissue engaged by challenging cognitive tasks. In TBI and stroke rehabilitation, tDCS is used to as tool to boost the efficacy of neuro-rehabilitation therapy, again under the principle that brain plasticity activated by training will be enhanced by electrical stimulation. This session also address state-of-the-art techniques to enhance the efficacy and deployment of tDCS including use of EEG to guide stimulation, home-base therapies, and focal stimulation with High-Definition tDCS.

Symposium Abstracts:

- M. BIKSON. Electrical Brain Stimulation and Cognitive Disorders. (SUMMARY)
- M. BIKSON, D. Q. TRUONG. The Basics of tDCS: Technology and Mechanisms
- A. J. WOODS. Combating Cognitive Aging and Dementia with Transcranial Direct Current Stimulation (tDCS)
- L. E. CHARVET, M. SHAW. At-Home Access: Extending Clinical Trials of Cognitive Remediation and tDCS through Remote Supervision

Chair's Biography:

Dr. Marom Bikson is a Cattell Professor of Biomedical Engineering at The City College of New York (CCNY) of the City University of New York (CUNY) and co-Director of the Neural Engineering Group at the New York Center for Biomedical Engineering. The translational R&D activity of his group spans pre-clinical studies, computational models, device design and fabrication, regulatory activities, and clinical trials. Technologies developed by his group are in clinical trials in over 250 medical centers and include neuromodulation interventions for neuropsychiatric disorders, intra- and post-operative sensors, patient compliance tools, and surgeon training simulators. Dr. Bikson has published over 200 papers and book-chapters and is inventor on over 30 patent applications. He is known for his work on brain targeting with electrical stimulation, cellular physiology of electric effects, and electrical safety. Dr. Bikson co-invented High-Definition transcranial Direct Current Stimulation (HD-tDCS), the first non-invasive, targeted, and low-intensity neuromodulation technology. Dr. Bikson consults for medical technology companies and regulatory agencies on the design, validation, and certification of medical instrumentation. Dr. Bikson is co-founder of Soterix Medical Inc. Prior to becoming faculty at CUNY, Dr. Bikson was a research fellow at the University of Birmingham Medical School, UK and a Research Associate at Sontra Medical LLC, in Cambridge Mass. Dr. Bikson received a Ph.D. in Biomedical Engineering from Case Western Reserve University, in Cleveland OH, and a B.S. in Biomedical Engineering from Johns Hopkins University, Baltimore.



Invited Symposium 2. Evolution of the Neuropsychology of Epilepsy Surgery

THURSDAY, 12:45–2:15 PM,
CARONDELET (GRAND BALLROOM)

CHAIR: BRUCE HERMANN

PRESENTERS: BRUCE HERMANN, JEFFREY
OJEMANN, MARLA J. HAMBERGER, DANIEL
L. DRANE, CARRIE McDONALD

Symposium Summary:

Clinical and experimental neuropsychology has had a long and productive relationship with the field of epilepsy surgery beginning with its earliest days at the Montreal Neurological Institute. As the availability of surgical treatment for medication resistant epilepsy spread throughout the world, neuropsychology has remained a standard component in the evaluation of patients for surgical consideration as well as the evaluation of outcomes following surgery. The resulting clinical and experimental work has contributed to new knowledge regarding brain function, served to characterize patient groups at high and low risk for postoperative cognitive and behavioral complications, and helped to inform advances in surgical approaches and techniques. The 50th anniversary of the International Neuropsychological Society is an appropriate time to take stock of the advances in epilepsy surgery and the neuropsychology of epilepsy surgery that have taken place over this interval. The symposium will begin with an overview of epilepsy surgery and the advances in care and technique occurring over time (Jeffrey Ojemann, MD, University of Washington), followed by speakers who will address the evaluation and outcomes across major cognitive domains including language (Marla Hamberger, PhD, Columbia University), memory (Dan Drane, PhD, Emory University), and executive function (Carrie McDonald, PhD, UCSD). Each speaker will provide a historical perspective of the changes in style, approach and outcome that have occurred over time as well as the latest findings with a view to future directions and opportunities.

Symposium Abstracts:

- B. HERMANN, J. OJEMANN, M. J. HAMBERGER, D. L. DRANE, C. MCDONALD. Evolution of the Neuropsychology of Epilepsy Surgery (SUMMARY)
- J. OJEMANN. On the Evolution of Neurosurgery and Neuropsychology in Epilepsy: Epilepsy Surgery
- M. J. HAMBERGER. On the Evolution of Neurosurgery and Neuropsychology in Epilepsy: Language
- D. L. DRANE. On the Evolution of Neurosurgery and Neuropsychology in Epilepsy: Memory
- C. MCDONALD. On the Evolution of Neurosurgery and Neuropsychology in Epilepsy: Executive Functions

Chair's Biography:

Bruce Hermann, PhD, APBB-CN is Professor and Director of the Charles Matthews Neuropsychology Section in the Department of Neurology at the University of Wisconsin School of Medicine and Public Health. His primary clinical and research interests include the etiology and natural history of cognitive and behavioral problems in children and adults with epilepsy as well as the neurobehavioral outcomes of epilepsy surgery. He currently serves on the Board of Directors of the American Epilepsy Society and is Treasurer of the International Neuropsychological Society.



Invited Symposium 3. Advances in Pediatric Mild TBI: Toward a Neurobiopsychosocial Model

FRIDAY, 9:00–10:30 AM,
CARONDELET (GRAND BALLROOM)

CHAIR: KEITH O. YEATES

PRESENTERS: KEITH O. YEATES, ALAIN PTITO,
VICKI ANDERSON, MICHAEL KIRKWOOD

DISCUSSANT: H. GERRY TAYLOR

Symposium Summary:

Pediatric mild traumatic brain injury (mTBI), including concussion, is a significant public health problem, with the number of children seeking medical care rising dramatically. This symposium will summarize research on pediatric mTBI, including concussion, with the aim of highlighting the need for a multi-level, multi-dimensional approach to understanding and managing children with these injuries. The symposium will begin with a brief introduction by Keith Yeates, to provide a historical context, and then be followed by four speakers presenting on various aspects of assessment and management of mTBI and a discussant. Alain Ptito will discuss neuroimaging as a diagnostic and prognostic tool. Keith Yeates will discuss neuropsychological testing as a predictor and outcome of pediatric mild TBI. Vicki Anderson will address psychosocial predictors of and influences on outcomes. Michael Kirkwood will describe neuropsychological assessment as an intervention model in pediatric concussion. Gerry Taylor will act as discussant, integrating the themes that emerge from the individual presentations and highlighting future directions for research on mTBI. The symposium will conclude with an audience question-and-answer period. The goal of the symposium is to provide insights into recent advances in this important and developing area of research and to stimulate further scientific progress by promoting a neurobiopsychosocial model of pediatric mTBI.

Symposium Abstracts:

- K. O. YEATES, A. PTITO, V. A. ANDERSON, M. KIRKWOOD, H. TAYLOR. Advances in Pediatric Mild TBI: Toward a Neurobiopsychosocial Model (SUMMARY)
- A. PTITO. Neuroimaging as a Diagnostic and Prognostic Tool in Pediatric Concussion
- K. O. YEATES, E. D. BIGLER, A. BACEVICE, B. BANGERT, D. COHEN, L. MIHALOV, N. ZUMBERGE, H. TAYLOR. Neuropsychological testing as an outcome and predictor in pediatric mild traumatic brain injury
- V. A. ANDERSON, M. TAKAGI, S. BRESSAN, G. DAVIS, C. CLARKE, N. ANDERSON, S. HEARPS, K. DUNNE, F. BABI. Psychosocial Predictors of and Influences on Outcomes of Pediatric Concussion
- M. KIRKWOOD. Neuropsychological Assessment as an Intervention Model in Pediatric Concussion
- H. TAYLOR. Discussion of Issues and Future Directions

Chair's Biography:

Keith Owen Yeates, PhD, RPsych, ABPP-CN, is the Ronald and Irene Ward Chair in Pediatric Brain Injury and Professor in the Departments of Psychology, Pediatrics, and Clinical Neurosciences at the University of Calgary, in Alberta, Canada. He leads the University of Calgary Integrated Concussion Research Program, the Hotchkiss Brain Institute Traumatic Brain Injury NeuroTeam, and the Alberta Children's Hospital Research Institute Behaviour and Developing Brain Theme. He has received >\$15 million in external grant support from NIH, CIHR, and other agencies for his research, which focuses on the outcomes of childhood brain disorders, particularly traumatic brain injury, and has published over 200 peer-reviewed journal articles and book chapters, as well as 5 edited or co-authored books. He has received a number of honors and awards: Fellow of the American Psychological Association (APA); Canadian Association of Child Neurology John Tibbles Lecturer; Visiting Fellow of the Australian Psychological Society; Charles Matthew Lecturer at the University of Wisconsin School of Medicine and Public Health; and the Arthur Benton Award from the International Neuropsychological Society. Dr. Yeates is has served as President of the Society of Clinical Neuropsychology of the American Psychological Association and the Association of Postdoctoral Programs in Clinical Neuropsychology, and is currently President-Elect of the International Neuropsychological Society.



Invited Symposium 4. A Summit on Cognitive Rehabilitation: Mapping the Past, Defining the Present and Imagining the Future

FRIDAY, 1:00–2:30 PM,
CARONDELET (GRAND BALLROOM)

CHAIR: ANTHONY Y. STRINGER

PRESENTERS: BARBARA A. WILSON, KEITH
D. CICERONE, ANTHONY Y. STRINGER

Symposium Summary:

While the treatment of persons with traumatic brain injury can be traced back to the ancient Egyptians, the modern era of cognitive rehabilitation began with World War I and the pioneering work of Kurt Goldstein. Subsequent international conflicts continued to spur the development of rehabilitation programs and strategies into contemporary times. Early work in the field was equal parts art and science, yet such work yielded enduring principles that continue to guide the treatment of persons with neurocognitive impairment. Contemporary clinicians have a growing armamentarium of empirically-supported treatments to address cognitive impairment in an expanding range of patient populations. The future will see an increasing use of pharmacological, genetic, electronic, digital, and neuroprosthetic tools, in addition to the cognitive strategies and techniques that have long been our staple. In this symposium, Dr. Barbara A. Wilson will trace the historical development of cognitive rehabilitation and provide an overview of the enduring principles from the past; Dr. Keith D. Cicerone will review the empirical efficacy of current cognitive rehabilitation strategies and techniques; and Dr. Anthony Y. Stringer will discuss the future of cognitive rehabilitation in an era of advancing pharmacological, genetic, electronic, digital, and neuroprosthetic tools.

Symposium Abstracts:

- A. Y. STRINGER, B. A. WILSON, K. D. CICERONE. A Summit on Cognitive Rehabilitation: Mapping the Past, Defining the Present and Imagining the Future (SUMMARY)
- B. A. WILSON. The History of Cognitive Rehabilitation
- K. D. CICERONE. The Present Status of Cognitive Rehabilitation
- A. Y. STRINGER. The Future of Cognitive Rehabilitation

Chair's Biography:

Anthony Y. Stringer, Ph.D., ABPP/ABCN is Professor of Rehabilitation Medicine at Emory University and is the Director of the Division of Rehabilitation Neuropsychology in the Emory University School of Medicine. Dr. Stringer is a board-certified clinical neuropsychologist and has practiced neuropsychology and cognitive rehabilitation for over 30 years. He is a fellow of the American Psychological Association - Society for Clinical Neuropsychology and of the National Academy of Clinical Neuropsychology. He also serves as the current President of the American Board of Clinical Neuropsychology. Dr. Stringer has authored or edited books on neuropsychological diagnosis and the history of neuropsychology, and has published numerous articles, abstracts, and book chapters from his research on neuropsychological syndromes and cognitive rehabilitation outcome. Finally, he is the author of the Ecologically Oriented Neurorehabilitation programs which incorporate a compensatory strategy approach to the rehabilitation of patients with memory or executive function disorders.



Invited Symposium 5. The Next Generation: A Look at Cohort Studies of People at Risk for Alzheimer's Disease

FRIDAY, 4:00–5:30 PM,
CARONDELET (GRAND BALLROOM)

CHAIR: STERLING C. JOHNSON

PRESENTERS: THERESE BARRY-TANNER,
STERLING C. JOHNSON,
JASON HASSENSTAB, ANJA SOLDAN,
JENNIFER MANLY, ANGELA JEFFERSON

Symposium Summary:

The pathological processes underlying Alzheimer's disease (AD) begin years or perhaps decades prior to onset of overt dementia. New findings are emerging from several longitudinal AD-risk enriched cohorts that indicate brain and cognitive changes exist during the preclinical and prodromal phases of AD. The symposium will begin from the 'at-risk' participant's perspective using clips from an upcoming independent documentary film offering an intimate look at AD research entitled "Will I Be Next?". The film follows three middle-aged women who volunteer as research participants in the longitudinal Wisconsin Registry for Alzheimer's Prevention (WRAP) study. Each of these women has a family history of AD and is at high risk for developing AD in the future ("the next generation").

The symposium will transition to a discussion of several select risk-enriched longitudinal cohort studies, including a summary of each study's design, seminal findings, and future directions. Cohorts include the WRAP study (University of Wisconsin, PI: Sterling Johnson, PhD), the Adult Children Study (Washington University, PI: John Morris MD; presented by Jason Hassenstab, PhD), the BIOCARD Study (Johns Hopkins University, PI: Marilyn Albert; presented by Anja Soldan, PhD), the Offspring Study (Columbia University, PI: Jennifer Manly, PhD), and the Vanderbilt Memory and Aging Project (Vanderbilt University Medical Center, PI: Angela Jefferson, PhD). The presentation of seminal findings from these cohorts will focus on neuropsychological and biomarker changes in people at risk for AD, characteristics that may pose resilience against cognitive decline, and implications for participant selection in future prevention trials.

Symposium Abstracts:

- S. C. JOHNSON, T. BARRY-TANNER, J. HASSENSTAB, A. SOLDAN, J. J. MANLY, A. L. JEFFERSON. The Next Generation: A Look at Cohort Studies of People at Risk for Alzheimer's Disease (SUMMARY)
- T. BARRY-TANNER. Will I Be Next?
- S. C. JOHNSON. The Wisconsin Registry for Alzheimer's Prevention (WRAP)
- J. HASSENSTAB, A. FAGAN, J. MORRIS. Correlating Rates of Change Between Cognition and Biomarkers in Middle Aged Adults at Risk for Alzheimer's Disease: The Adult Children Study
- A. SOLDAN, C. PETTIGREW, Q. CAI, M. WANG, A. MOGHEKAR, A. FAGAN, C. FOWLER, C. CARLSSON, C. MASTERS, S. C. JOHNSON, S. ASTHANA, J. MORRIS, A. GROSS, M. ALBERT. Hypothetical Preclinical Alzheimer Disease Groups and Longitudinal Cognitive Change
- J. J. MANLY, A. M. BRICKMAN. Offspring Study of Mechanisms for Racial Disparities in Alzheimer's Disease
- A. L. JEFFERSON. The Vanderbilt Memory & Aging Project: Study Design, Findings, and Future Directions

Chair's Biography:

Dr. Johnson is a Professor at the University of Wisconsin where he leads the Wisconsin Registry for Alzheimer's Prevention, a longitudinal cohort study of people at risk for sporadic AD. He is the Associate Director and Imaging Core Leader within the Wisconsin Alzheimer's Disease Research Center. His research focuses on the neurobiological and psychological processes that affect memory; and early identification of AD using multiple modalities from cognition to molecular imaging of amyloid and tau.



Invited Symposium 6. Translational Neuropsychology: Contemplating the Past and Looking Toward the Future

SATURDAY, 10:00–11:30 AM,
CARONDELET (GRAND BALLROOM)

CHAIR: ADAM M. BRICKMAN

PRESENTERS: ADAM M. BRICKMAN,
DEANNA BARCH, ROBERT BILDER,
RHODA AU, RUSSELL M. BAUER

Symposium Summary:

With the celebration of the 50th year anniversary of the International Neuropsychological Society comes the opportunity to reflect on the history of our field and to contemplate the directions we are going. Neuropsychology, at its core, is a multi- and inter-disciplinary field that draws inspiration from cognitive psychology, behavioral neurology, and basic neuroscience to derive brain-behavior relationships and apply them to clinical settings. Early studies used lesion approaches in animals and humans to map behavioral correlates of regional brain damage and, by inference, normal brain functioning. The majority of contemporary studies in neuropsychology apply psychometric assessment to determine cognitive correlates of clinical conditions and developmental stages. Clinical and applied aspects of neuropsychology deploy similar psychometric assessments to aid in diagnosis and treatment recommendations. As we look toward our future, we propose embracing a translational neuropsychology approach, in which we apply methodological and theoretical innovation to elucidate the mechanistic bases of brain-behavior relationships that support direct translation into clinical practice. This symposium will highlight translational approaches used in five neuropsychology laboratories. Dr. Brickman will discuss work on the integration of neuroimaging and experimental methods to dissociate hippocampal subfields, the cognitive processes they mediate, and associated treatment-focused clinical trials. Dr. Barch will focus on historical concepts of brain connectivity, current conceptions and methods, and future innovations and translations, including stimulation or feedback approaches to enhance connectivity and human/animal parallels. Dr. Bilder will discuss the principle analytic and conceptual models that have driven our understanding of brain and behavior, from past comparisons of "organic" disorders through classic psychometric analyses, to the development of causal models that span multiple biological scales. Dr. Au will discuss how technology integration provides immediate opportunities to create novel cognitive biomarkers and enable a future role for neuropsychology in the realm of big data. Dr. Bauer will discuss a simultaneous animal-human platform developed to examine cortical-hippocampal interactions using MRI, electrophysiology, viral vectors, and human/animal performance.

Symposium Abstracts:

- A. M. BRICKMAN, D. M. BARCH, R. M. BILDER, R. AU, R. M. BAUER. Translational Neuropsychology: Contemplating the Past and Looking Toward the Future (SUMMARY)
- A. M. BRICKMAN, R. P. SLOAN, S. A. SMALL. Dietary Flavanols, Hippocampal Subfields, and Cognitive Aging: A Translational Neuropsychology Story
- D. M. BARCH. Connectomics and the Brain: Past, Present and Future
- R. M. BILDER. Neuropsychological Models: Past, Present and Future
- R. AU, T. ANG. Next Generation Neuropsychology: Digital Biomarkers and Big Data
- R. M. BAUER. An Interactive Translational Platform for Investigating Age-Related Memory Decline

Chair's Biography:

Adam Brickman, PhD, is an Associate Professor of Neuropsychology at the Taub Institute for Research on Alzheimer's Disease and the Aging Brain and the Gertrude H. Sergievsky Center in the Department of Neurology at Columbia University College of Physicians and Surgeons. Dr. Brickman uses advanced neuroimaging techniques to understand cognitive aging and dementia. He is particularly interested in white matter abnormalities and the intersection between vascular disease and Alzheimer's disease. He was the 2010 recipient of the Early Career Award from Division 40 (Clinical Neuropsychology) of the APA and of the Early Career Research Award from INS.

INS continuing education sessions are designed to provide a practical review of current research as well as information on clinical and technological advances in specific areas of content relevant to neuropsychology and the cognitive neurosciences.

CE Course Registration

Continuing Education (CE) options listed below are not included in the general registration fee. You must register and pay additional fee(s) in order to attend CE workshops, or to receive CE credit for attending plenary sessions.

Your name badge is required for admittance to CE Workshops, and will contain the session number of any CE sessions for which you are registered.

How to Obtain CE Credits After Registering

Please take the attendance slip from the proctor as you enter, complete it during the session, and return it to the proctor as you exit (your full attendance must be documented in order for credits to be granted).

An online evaluation form must also be completed in order for credits to be given. Once the evaluation is completed, a certificate of completion may be downloaded. **Evaluations will be available online at the INS website by approximately 24 hours after each session has concluded.**

To access online evaluations, visit the INS website at www.the-ins.org, then simply follow the link on the home page to obtain CE credits for the 2017 Annual Meeting.

CE Workshops

All CE workshops require advance registration and an additional fee in order to attend.

All 1.5-hour CE workshops are scheduled from 7:20–8:50 AM and include a continental breakfast that is served from 7–7:15 AM (morning sessions will begin promptly at 7:20 AM).

Plenary Sessions

All plenary sessions are offered for one hour of CE credit. A separate registration and fee must be completed—either before or following completion of the plenary session—and all CE requirements must be met in order for credit(s) to be granted.

Please Note: In order to receive continuing education credit(s) for participation in Plenary Sessions, either now or at a later time, attendees must obtain an attendance slip from the volunteer upon their entry to the session and must submit the completed slip to the volunteer upon their exit. No credits can be granted, at present or in the future, without submission of completed attendance slips.

INS CE Committee

Raul Gonzalez has served as Director of INS Continuing Education since February 2013.



APA Continuing Education Credit

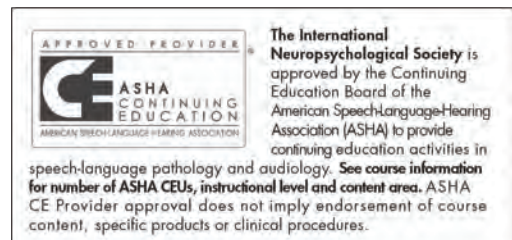
The International Neuropsychological Society is approved by the American Psychological Association to sponsor Continuing Education for psychologists. INS maintains responsibility for this program and its content. Up to 17.5 credit hours are available for this program. All CE sessions are geared for advanced level instructional activity.

ASHA Continuing Education Credit

ASHA-approved continuing education units (CEUs) are available. This course is offered for up to 1.75 ASHA CEUs (Advanced Level, Professional area).

To receive ASHA credit, interested participants must complete the separate ASHA CEU form that is available upon request from the INS registration desk (participants must track each for-credit course on this form, and submit the completed form to the INS desk at the conclusion of the meeting).

Credits will be awarded by ASHA after the meeting is over.



CE WORKSHOPS



CE Workshop 1. Environmental Chemicals and Children's Brains: How Big a Problem? — David C. Bellinger, PhD

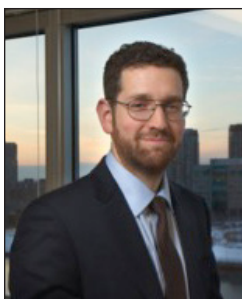
WEDNESDAY, 9:00 AM–12:00 PM, BISSONET (GRAND BALLROOM)

David C. Bellinger, PhD
Professor of Neurology, Professor of Psychology in Psychiatry, Harvard Medical School and Boston Children's Hospital
Professor, Department of Environmental Health, Harvard T.H. Chan School of Public Health

The recent lead contamination of the water supply of Flint, MI, was a particularly egregious example of the way in which our health is threatened by exposure to environmental chemicals. Of the tens of thousands chemicals in use, extensive data on toxicity is available for only a small fraction. We are essentially conducting a natural experiment on the population, and exposure standards are established only after epidemiological studies provide unequivocal evidence of danger. Children are the population subgroup that is most vulnerable to environmental chemicals, and the brain the most sensitive organ. This workshop

will survey the field of pediatric neurotoxicology, covering the prevalence of children's exposures to different environmental chemicals, the mechanisms of neurotoxicity, the neuropsychological effects, the bases of individual differences in vulnerability, and the contrast between individual and population approaches to estimating the burden of chemical-related morbidities.

Following this lecture, participants will (1) be able to identify the chemicals of greatest concern, (2) understand how chemical exposures impair brain development, (3) understand how early-life exposures to chemicals can cause life-long morbidities in cognition and behavior, and (4) understand how neuropsychologists can contribute to protecting children from environmental chemicals.



CE Workshop 2. Best-Practices of Transcranial Direct Current Stimulation (tDCS) for Effective and Reliable Outcomes — Marom Bikson PhD

WEDNESDAY, 9:00 AM–12:00 PM, SALON D (MARDI GRAS BALLROOM)

Marom Bikson, PhD
Professor of Biomedical Engineering, The City College of New York

Transcranial Direct Current Stimulation (tDCS) is investigated to treat a broad range of neuropsychiatric disorders, to accelerate neuro-rehabilitation, and to change cognition and behavior in healthy individuals. The tolerability,

low-cost, and apparent simplicity of the technique has driven rapid and broad adoption. But safe, effective, and reliable application of tDCS critically depends on the use of proper techniques. This course will first review major findings on tDCS in treatment with a special focus on how tDCS is customized for specific applications. Second, detailed protocols for device, electrode, and subject preparation will be demonstrated. Third, state-of-the-art development including used of concurrent EEG, working with susceptible populations, and High-Definition tDCS (HD-tDCS) will be explained.

As a result of participation in this course, the learner will achieve the following objectives: 1) have a deeper understanding of how tDCS is customized and optimized to specific indications; 2) be familiar with best practices in tDCS preparation and protocol; and, 3) be exposed to the leading edge of technical advancements in tDCS.



CE Workshop 3. Adult Aphasia: Classifications, Localization, and Neuroimaging — Nina Dronkers, PhD

WEDNESDAY, 9:00 AM–12:00 PM, SALON E (MARDI GRAS BALLROOM)

Nina Dronkers, PhD
Adjunct Professor, Department of Neurology, University of California, Davis
Research Career Scientist, Department of Veterans Affairs Northern California Health Care System

Aphasia is a disorder of core language functions that occurs after an injury to the brain. Most of what we have learned about how the brain processes language has come from the study of individuals with aphasia. In this introductory course, we will discuss the different types of aphasia, the parts of the brain that are affected in aphasia, and how to view these anatomical structures with neuroimaging. Videos will accompany the lectures to best illustrate the deficits we will be discussing.

Participants in this course will (1) become familiar with the different patterns of language disorders that can occur in adults after sudden

injury to the brain, (2) become oriented to the anatomical structures of the adult human brain as imaged with Magnetic Resonance Imaging (MRI), and (3) be able to discuss the regions of the brain -- beyond Broca's and Wernicke's areas -- that support the different components of language.



CE Workshop 4. Identifying Ethical Issues in Neuropsychological Subspecialties: Concepts, Cases, and Controversies — Shane Bush, PhD

WEDNESDAY, 1:00–4:00 PM, BISSONET (GRAND BALLROOM)

Shane Bush, PhD
Long Island Neuropsychology, PC

The ability to identify ethical issues is necessary for maintaining high standards of ethical practice, addressing ethical challenges, and avoiding ethical misconduct. Although some ethical requirements,

such as professional competence, are consistent across neuropsychological subspecialties, differences in the relative importance of ethical principles and standards are encountered in different practice contexts and with different patient populations. Once ethical issues are identified, use of an ethical decision-making model can assist practitioners in determining how best to approach an issue or resolve a dilemma. Such a model provides a structured means of organizing and considering the various resources that are often necessary for making sound ethical decisions. This workshop will describe ethical issues commonly encountered with different patient populations, such as pediatrics, geriatrics, and military personnel/veterans, and in various practice contexts, including rehabilitation, forensics, and sports. Some general ethical and legal issues, such as test security, will also be covered. The workshop will include audience participation in identifying ethical issues from clinical vignettes. Questions and discussion will be encouraged.

Following this lecture: 1) Participants will be able to describe ethical issues encountered in common neuropsychology subspecialties; 2) Participants will be able to identify ethical issues in clinical vignettes; 3) Participants will be able to describe a decision-making model for addressing ethical challenges in clinical neuropsychology.



CE Workshop 5. The Adolescent Brain: Arrested or Adaptive Development?

— BJ Casey, PhD

WEDNESDAY, 1:00–4:00 PM,
SALON D (MARDI GRAS BALLROOM)

BJ Casey, PhD
Professor of Psychology,
Yale University
Adjunct Professor, The
Rockefeller University
and Weill Cornell
Medical College

Adolescence is the transition from childhood to adulthood that typically begins with onset of puberty and ends with relative independence from the parent. The adolescent is probably stronger, of higher reasoning capacity, and more resistant to disease than ever before, yet mortality rates during this period increases by 200%. These untimely deaths are not due to disease but to preventable deaths associated with adolescents putting themselves in harm's way. Evidence will be

presented that suggests these health statistics are in part due to diminished self-control - the ability to inhibit inappropriate desires, emotions, and actions in favor of appropriate ones. Findings of adolescent-specific changes in self-control and underlying brain circuitry are considered in terms of how evolutionarily based biological constraints and experiences shape the brain to adapt to the unique intellectual, physical, sexual, and social challenges of adolescence.

Participation in this course will lead to the learner to: 1) understand what situations may lead to a break down in self-control in adolescents; 2) describe how changes in brain circuitry help to explain these changes; and 3) explain when the capacity for self-control reaches adult like ability.



CE Workshop 7. Financial and Health Decision Making in Old Age: Neuropsychology, Neuroimaging, and Race Considerations

— S. Duke Han, PhD

THURSDAY, 7:20–8:50 AM,
BISSENET (GRAND BALLROOM)

S. Duke Han, PhD
Associate Professor
of Family Medicine,
Neurology, Psychology,
and Gerontology,
Department of Family
Medicine, University of
Southern California Keck
School of Medicine

Decision making refers to the ability to consider competing alternatives and make an optimal choice. Older adults are regularly faced with consequential decisions regarding financial and health matters, and recent work suggests decision making may decline with age. Age-associated pathological changes in the brain are well documented, suggesting the suboptimal functioning of neural systems may contribute to impaired decision

making in old age. While neuroimaging has yielded advances in the knowledge of brain systems involved in younger populations, relatively little is known about the neuroimaging correlates of pathological changes associated with decision making in older adults. This presentation will discuss the neuroimaging correlates of impaired financial and health decision making in old age, as well as the cognitive, affective, and contextual factors that are associated with these patterns. Racial differences in decision making will also be considered in view of the potential mediating and moderating factors that drive them.

As a result of participation in this course, the learner will achieve the following objectives: (1) have a deeper understanding of the critical brain structures that support decision making in old age, and (2) be familiar with cutting-edge translational research techniques for investigating financial and health decision making in old age.



CE Workshop 6. Clinical Assessment of Frontal Lobe Functions: A Historical Perspective of the Application of the Boston VA Jamaica Plans VA Process Approach

— Donald T. Stuss, PhD

WEDNESDAY, 1:00–4:00 PM,
SALON E (MARDI GRAS BALLROOM)

Donald T. Stuss, PhD
University Professor
of Psychology and
Medicine (Neurology,
Rehabilitation Sciences),
University of Toronto

The lens of this workshop is the clinical assessment of frontal lobe functioning from a personal historical perspective. The first part of the course emphasizes operational definitions, theoretical and anatomical. Second, results of early studies using commonly used tests of "executive" functioning

(e.g., WCST, Stroop) will be highlighted. Third, research based on an approach that emphasizes a process approach will demonstrate that different frontal regions are related to very specific domain general attentional functions. Against this background, we will return to a potential re-interpretation of the standard FL tests. The fifth section briefly summarizes the role of the FL in processes such as theory of mind, and behavioural/emotional self-regulation; together with the attentional studies, this leads to a revised model of FL functioning. Finally, the potential application to rehabilitation will be discussed.

As a result of participation in this course, the learner will achieve: (1) a deeper understanding of the complexity of anatomy and functions relationships of the FL; (2) the ability to apply knowledge of FL functions to the interpretation of clinically used FL tests; (3) the ability to assess innovative research techniques for investigating frontal disorders; and (4) the ability to apply this knowledge to neurorehabilitation approaches.



CE Workshop 8. Hearts and Minds: Recent Advances in the Neuropsychology of Pediatric Critical Congenital Heart Disease

— Adam Cassidy, PhD

THURSDAY, 7:20–8:50 AM,
SALON D (MARDI GRAS BALLROOM)

Adam Cassidy, PhD
Staff Neuropsychologist,
Boston Children's Hospital
Instructor in Psychology,
Harvard Medical School

Congenital heart disease (CHD) constitutes a major global health problem affecting 7 to 9 out of every 1,000 live births worldwide, or over 1 million live births every year. Approximately 25-33% of these children are born with a critical form of CHD requiring intensive surgical palliation

during infancy and/or early childhood. Despite excellent rates of survival in the modern era, children and adolescents with critical CHD remain at high risk for a range of neurological, neurobehavioral, and psychosocial challenges that undermine optimal development and pose a threat to short- and longer-term quality of life. Building on a series of groundbreaking investigations that shed early light on these risks, more recent studies have begun to hone in on mechanisms of brain injury and dysmaturational, identify predictors of outcomes, and elucidate nuanced cognitive, behavioral, social, and self regulatory profiles of children and adolescents with CHD. This workshop will survey research in pediatric congenital heart disease with a particular focus on several recent advances in the neuropsychology of pediatric critical CHD.

Upon conclusion of this course, learners will be able to: 1) Describe how critical CHD affects brain development, and 2) Discuss neurobehavioral and psychosocial risks experienced by children and adolescents with critical CHD.

CE WORKSHOPS, CONTINUED



CE Workshop 9. Autism: Clinical and Translational Insights from Brain Mapping

— Rajesh K. Kana, PhD

FRIDAY, 7:20–8:50 AM,
BISSONET (GRAND BALLROOM)

Rajesh K. Kana, PhD
Associate Professor of Psychology, University of Alabama at Birmingham

Although a biological origin for autism spectrum disorders (ASD) has been proposed several decades ago, a firm and reliable neurobiological marker has rather been elusive. Of late, neuroimaging studies have provided converging findings on disruptions in brain connectivity as

a common signature in the pathobiology of autism. Work from our group has tried to address two important questions, First about the diagnostic utility of neuroimaging-based markers of autism; and Second, about the efficacy of intervention programs in changing the brain circuitry underlying impaired functions in children with autism. Our findings reveal that brain abnormalities in autism spans multiple levels of organization, such as function, anatomy, connectivity, and chemical concentration. The use of multimodal neuroimaging may provide an avenue to assess these indices and generate a comprehensive explanation of this disorder. Some of our studies used machine learning techniques to understand abnormalities in which of these indices best predict autism. In testing the impact of an intense language intervention on children with autism who have below average reading comprehension, we found significant changes in brain connectivity of the reading network as a result of intervention. These findings provide significant insights and promising new directions in moving neuroscience research closer to clinic.

After this lecture, the audience will be able to: 1) Assess the state of brain research, particularly neuroimaging-based research, in autism spectrum disorders; 2) Analyze the preliminary steps in exploring the translational potential of neuroimaging research in autism; 3) Discuss brain plasticity and the potential of intense interventions in changing the brain circuitry in children with autism; and 4) Assess the distance between laboratory and clinic in neuroscience research and learn about the attempts to bridge this gap.



David Loring, PhD
Professor of Neurology and Pediatrics, Emory Brain Health Center

CE Workshop 11. How Does Evidence-Based Practice Address the "Replication Crisis" in Clinical Neuropsychology?

— David Loring, PhD, & Stephen C. Bowden, PhD

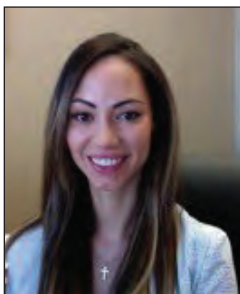
SATURDAY, 7:20–8:50 AM,
BISSONET (GRAND BALLROOM)



Stephen C. Bowden, PhD
Melbourne School of Psychological Science, University of Melbourne, & St. Vincent's Hospital

The 'replication crisis' in scientific research, including psychology, has cast doubt on the trustworthiness of research including clinical research. This course will initially review concerns voiced by proponents of the 'replication crisis' and then demonstrate how these concerns have been addressed, including by proponents of evidence-based clinical practice. Firstly, we will show that in evidence-based practice, not all published studies are of equal quality and the ranking of evidence-quality directly addresses the non-replication question. Secondly, we will illustrate how formalized critical-appraisal skills provide clinicians with the tools to implement a form of post-publication peer review to evaluate the methods-quality and clinical relevance of any published study. Clinicians who routinely undertake critical appraisal and seek to be guided by the highest quality of available evidence will minimize the impact of non-replication on their clinical practice and their research output.

As a result of participation in this course, attendees will attain the following learning objectives: (1) identify levels-of-evidence; (2) describe the critical-appraisal approach for evaluating quality of published research; (3) find levels-of-evidence guidelines and learning-resources for critical appraisal. Prior knowledge – graduate level familiarity with research methods in psychology.



CE Workshop 10. Not All Aging Processes Are Created Equal: Cognitive Aging Among Culturally Diverse Groups — April D. Thames, PhD

FRIDAY, 7:20–8:50 AM,
SALON D (MARDI GRAS BALLROOM)

April D. Thames, PhD
Assistant Professor of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles

The US population aged 65 and older has increased, including the number of racial and ethnic minorities. It is increasingly important to understand specific risk factors that may be linked to ethnicity/race and psychosocial factors that contribute to pathologic brain/cognitive aging. This

course will first review the research on ethnic and racial groups (focused on African Americans and Hispanic/Latinos) and risk for cerebrovascular disease, and cognitive impairment. We will cover the research findings that indicate biological risk factors in African Americans and Latino/Hispanics. Next, this course will review the psychosocial risk factors that may contribute to poor cognitive aging outcomes, including education, racial/ethnic discrimination, stressors related to immigration, poverty, loneliness/lack of social support. Finally, this course will cover the next steps for research and assessment, which include establishing mechanistic links between specific cardiovascular risks and cerebral sequelae through neuroimaging, hallmark indicators of biological aging, and focused cognitive and psychosocial assessments.

The content is geared towards intermediate and advanced knowledge levels, and the following objectives will be achieved: (1) have a deeper understanding of how to study mechanisms that contribute to cognitive aging among racial and ethnically diverse groups, and (2) be familiar with key considerations in assessment of cognitive aging.



Victor W. Mark, MD
Associate Professor of Physical Medicine and Rehabilitation, Neurology, and Psychology, University of Alabama at Birmingham

CE Workshop 12. Constraint-Induced Therapies for Neurological Disorders: Contemporary Findings, Application to Disorders of Movement, Aphasia, and Visual Perception, and Increased CNS Neuroplasticity — Victor W. Mark, MD

SATURDAY, 7:20–8:50 AM,
SALON D (MARDI GRAS BALLROOM)

The Constraint-Induced therapies (CI therapies) are a family of treatments for diverse neurological disorders that are disabling because of their associated Learned Nonuse or Misuse: the conditioned inhibition or maladaptation of purposive activity when compensatory but inefficient means are used instead for everyday activities. The resulting disability may be counter-conditioned by a CI therapy program. The CI Therapy Research Laboratory at the University of Alabama at Birmingham has conducted clinical trials of the CI therapies for over the past 25 years. In this course we will review: (1) the basic neuroscience foundation for CI therapies, (2) the theoretical model for Learned Nonuse, (3) the fundamental methods of CI therapies, (4) the immediate as well as long-term functional benefits of CI therapy for persons with stroke, cerebral palsy, TBI, multiple sclerosis, and spinal cord injury, including results from numerous Randomized Controlled Trials, (5) the validated measurement of learned nonuse in the real world as the preferred outcome measure of CI therapy, (6) the improvements in brain structure on MRI following CI therapies, and (7) the adaptation of CI therapy methods for disorders of leg use, aphasia, and visual perception. We will also review video demonstrations of the treatment methods for children and adults as well. This workshop will be appropriate for clinicians or researchers with intermediate/advanced knowledge of neuroscience, psychology, or rehabilitation.

The International Neuropsychological Society requires program planners and instructional personnel to disclose information regarding any relevant financial and non-financial relationships related to course content prior to and during course planning. The intent of this disclosure is not to prevent a speaker with a significant financial or other relationship from making a presentation, but rather to provide listeners with information on which they can make their own judgments. It remains for the audience to determine whether speaker interests or relationships unduly influence a presentation with regard to exposition or conclusion.

Relevant financial relationships are those relationships in which the individual benefits by receiving a salary, royalty, intellectual property rights, gift, speaking fee, consulting fee, honoraria, ownership interest (e.g., stocks, stock options, or other ownership interest, excluding diversified mutual funds), or other financial benefit. Financial relationships can also include "contracted research" where the institution receives/manages the funds and the individual is the principal or named investigator on the grant.

Relevant non-financial relationships are those relationships that might bias an individual including any personal, professional, institutional, or other relationship. This may also include personal interest or cultural bias.

INS Program Planners

Raul Gonzalez, CE Director

No relevant financial or nonfinancial relationships exist.

Ben Hampstead, Program Chair

No relevant financial or nonfinancial relationships exist.

Instructional Personnel

Richard Andersen – Plenary D

No relevant financial or nonfinancial relationships exist.

David Bellinger – CE 1

Relevant financial relationship(s): Dr. Bellinger has received consulting and expert witness fees for services provided to the Federal Defenders Program, American Civil Liberties Union, Las Vegas Public Defender's Office, and Schlichter, Bogard & Denton, LLP.
Relevant non-financial relationships: Dr. Bellinger is also a volunteer advisory committee member for the World Health Organization and International Society for Children's Health and the Environment.

Marom Bikson – CE 2

Relevant financial relationship(s): Dr. Bikson has equity ownership in Soterix Medical Inc.
Relevant non-financial relationships: None.

Stephen Bowden – CE 11

Relevant financial relationships: Dr. Bowden receives income/royalties for his role as an advisory committee or review panel member, and as an editor and/or author, from Oxford University Press and Springer Nature.
Relevant non-financial relationships: None.

Shane Bush – CE 4

Relevant financial relationships: Dr. Bush receives royalties/income for book publishing and as an independent contractor for APA Books, Oxford University Press, and Spring Publishing
Relevant non-financial relationships: None.

BJ Casey – CE 5

Relevant financial relationship(s): Dr. Casey receives consulting fees and grant funding as an investigator from the MacArthur Foundation.
Relevant non-financial relationships: None.

Adam Cassidy – CE 8

No relevant financial or nonfinancial relationships exist.

Maurizio Corbetta – Plenary E

No relevant financial or nonfinancial relationships exist.

Nina Dronkers – Plenary G, CE 3

No relevant financial or nonfinancial relationships exist.

Kathleen Haaland – Plenary A

No relevant financial or nonfinancial relationships exist.

S. Duke Han – CE 7

No relevant financial or nonfinancial relationships exist.

Rajesh Kana – CE 9

Relevant financial relationship(s): Dr. Kana receives research funding as an investigator from Lindamood-Bell Learning Processes.
Relevant non-financial relationships: None.

Robert Knight – Plenary B

No relevant financial or nonfinancial relationships exist.

David Loring – CE 11

Relevant financial relationship(s): Dr. Loring receives author royalties and/or an editor stipend for his work with Oxford University Press and Springer Nature.
Relevant non-financial relationships: None.

Victor Mark – CE 12

No relevant financial or nonfinancial relationships exist.

Donald Stuss – CE 6

Relevant financial relationship(s): Dr. Stuss has no financial relationships to disclose, but his presentation describes a test that is currently being developed as a possible commercial product.
Relevant non-financial relationships: None.

Edith Sullivan – Plenary F

No relevant financial or nonfinancial relationships exist.

April Thames – CE 10

No relevant financial or nonfinancial relationships exist.

Faraneh Vargha-Khadem – Plenary C

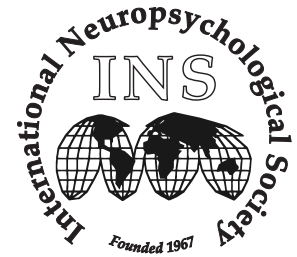
No relevant financial or nonfinancial relationships exist.

ANCILLARY MEETINGS

INS is pleased to host ancillary meetings, organized by individuals and professional groups who are attending the 45th Annual Meeting.

Please note that INS name badges must be worn when using ancillary space, and only ancillary meetings that have been pre-authorized by the INS Executive Office are permitted.

The following schedule of ancillary meetings is provided for the convenience of our attendees and may not be complete. Additional meetings and changes will be posted on the message boards located near the INS Registration Desk.



Event Name	Organization	Date	Time	Location
APPCN Welcome Breakfast	Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN)	Tue Jan 31	7:00 AM-8:30 AM	Studio 9
APPCN Board Meeting	Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN)	Tue Jan 31	5:00 PM-7:00 PM	Studio 5
AACN Board of Directors Meeting	American Academy of Clinical Neuropsychology (AACN)	Wed Feb 1	8:00 AM- 3:00 PM	Studio 9
SCN (Div 40) Executive Committee Meeting	American Psychological Association, Society for Clinical Neuropsychology (SCN);Div. 40)	Wed Feb 1	8:00 AM- 11:30 AM	Studio 2
ABCN Board of Directors Meeting	The American Board of Clinical Neuropsychology (ABCN)	Wed Feb 1	1:00 PM- 4:00 PM	Studio 7
Board Certification Promotion Committee	American Academy of Clinical Neuropsychology (AACN)	Wed Feb 1	3:00 PM- 4:30 PM	Studio 9
AACN Student Affairs Committee	AACN Student Affairs Committee (SAC)	Wed Feb 1	3:00 PM- 4:00 PM	Iberville
Society for Clinical Neuropsychology (Division 40) Program Committee Meeting	Society for Clinical Neuropsychology (Division 40) Program Committee	Thu Feb 2	8:00 AM- 9:00 AM	Studio 2
APPCN General Membership Meeting	Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN)	Thu Feb 2	8:00 AM- 9:00 AM	Studio 9
Scientific Advisory Committee Meeting	Society for Clinical Neuropsychology (SCN)	Thu Feb 2	8:00 AM- 9:00 AM	Iberville
BCM/ TCH Fellowship Coffee Hour	Baylor College of Medicine/Texas Children's Hospital Neuropsychology Fellowship Program	Thu Feb 2	8:30 AM- 10:00 AM	Studio 7
AITCN Annual Executive Committee Meeting	Association for Internship Training in Clinical Neuropsychology (AITCN)	Thu Feb 2	9:00 AM- 10:00 AM	Studio 6
Children's National Postdoc Q & A	Children's National Health System	Thu Feb 2	11:45 AM- 12:45 PM	Studio 2
INS Past Presidents' Lunch	International Neuropsychological Society (INS)	Thu Feb 2	11:45 AM- 1:45 PM	Studio 9
International Women in Neuropsychology: Professional lives in different countries and cultures	Women in Neuropsychology (WIN) Subcommittee of APA Div. 40 Society for Clinical Neuropsychology	Thu Feb 2	6:30 PM- 7:30 PM	Studio 2
Brown University Alumni Reception	Brown University	Thu Feb 2	6:30 PM- 8:00 PM	Studio 6
JINS Reception	Journal of the International Neuropsychological Society/ Cambridge University Press	Thu Feb 2	6:30 PM- 8:30 PM	Studio 9
Annual Meeting of Clinical Neuropsychology Synarchy	Clinical Neuropsychology Synarchy (CNS)	Thu Feb 2	6:30 PM- 8:30 PM	Iberville
Mayo Clinic Alumni Association Reception	Mayo Clinic Alumni Association	Thu Feb 2	7:00 PM- 9:00 PM	Studio 3
SCN-EMA Breakfast Social Hour	Society of Clinical Neuropsychology-Ethnic Minority Affairs (SCN-EMA)	Fri Feb 3	8:00 AM- 9:00 AM	Studio 5
SCN Education Advisory Committee Meeting	Society for Clinical Neuropsychology Education Advisory Committee (EAC)	Fri Feb 3	9:30 AM- 11:00 AM	Iberville
University of Michigan Student/ Faculty Reception	University of Michigan	Fri Feb 3	6:00 PM- 8:00 PM	Studio 2
University of Connecticut Reception	University of Connecticut- Clinical Psychology Department	Fri Feb 3	6:00 PM- 10:00 PM	Studio 6

The International Neuropsychological Society owes a debt of gratitude to all participating student volunteers for lending their support at INS New Orleans 2017.

Student volunteers play a critical role in the success of the INS Annual Meeting through their assistance in proctoring CE courses, monitoring poster sessions, and assisting at the Registration Desk—and in making the Annual Meeting a friendlier place for all attendees!

We sincerely thank our wonderful volunteers for their assistance and unbridled enthusiasm and commitment to INS.

INS New Orleans Volunteers

Carla Ammons

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Sarah Szymkowicz

Rui Tang

Jillian Tessier

Mary Kristin Tew

Jennifer Thompson

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Changes to the Final Program Posted On-Site

Sessions and room locations listed in Section II of this book are preliminary and may have changed since the time of printing based on enrollment or other factors. **Please check on-site materials and signage in New Orleans, or the INS 2017 meeting app, for final room assignments and any changes to the Final Program.**

Final Addendum of Author Changes

A list of important author changes that have occurred since the time of printing will be available on-site. The online published meeting proceedings will include a final addendum with all author changes that occurred since finalization of the printed program, including author additions, author changes, and other minor adjustments.

Submitting Abstract Author Disclosures

The electronic program book, available on the INS website at www.the-ins.org, contains a complete listing of submitting abstract author disclosures.

The International Neuropsychological Society requires all presenters to disclose to the audience any significant financial interest or other relationship with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed in an educational presentation and with any commercial supporters of the activity. The intent of this disclosure is not to prevent a speaker with a significant financial or other relationship from making a presentation, but rather to provide listeners with information on which they can make their own judgments. It remains for the audience to determine whether speaker interests or relationships unduly influence a presentation with regard to exposition or conclusion.

Please visit the INS website to view the electronic program book and a complete listing of submitting abstract author disclosures.

**Section
2**

**FINAL
PROGRAM**

Final Program

Forty Fifth Annual Meeting

International Neuropsychological Society

February 1-4, 2017
New Orleans, Louisiana, USA

WEDNESDAY, FEBRUARY 1, 2017

- 9:00 AM–12:00 PM** **CE Workshop 1. Environmental Chemicals and Children’s Brains: How Big a Problem?**
Presenter: David C. Bellinger
Bissonet
1. BELLINGER, DC Environmental Chemicals and Children’s Brains: How Big a Problem?
- 9:00 AM–12:00 PM** **CE Workshop 2. Best-Practices of Transcranial Direct Current Stimulation (tDCS) for Effective and Reliable Outcomes**
Presenter: Marom Bikson
Salon D
1. BIKSON, M Best-Practices of Transcranial Direct Current Stimulation (tDCS) for Effective and Reliable Outcomes
- 9:00 AM–12:00 PM** **CE Workshop 3. Adult Aphasia: Classifications, Localization, and Neuroimaging**
Presenter: Nina F. Dronkers
Salon E
1. DRONKERS, NF Adult Aphasia: Classifications, Localization, and Neuroimaging
- 12:00–1:00 PM** **Lunch (On Own)**
Conference-Wide
- 1:00–4:00 PM** **CE Workshop 4. Identifying Ethical Issues in Neuropsychological Subspecialties: Concepts, Cases, and Controversies**
Presenter: Shane Bush
Bissonet
1. BUSH, S Identifying Ethical Issues in Neuropsychological Subspecialties: Concepts, Cases, and Controversies
- 1:00–4:00 PM** **CE Workshop 5. The Adolescent Brain: Arrested or Adaptive Development?**
Presenter: BJ Casey
Salon D
1. CASEY, B The Adolescent Brain: Arrested or Adaptive Development?

1:00–4:00 PM

CE Workshop 6. Clinical Assessment of Frontal Lobe Functions: A Historical Perspective of the Application of the Boston VA Jamaica Plans VA Process Approach
Presenter: Donald T. Stuss
Salon E

1. STUSS, DT Clinical Assessment of Frontal Lobe Functions: A Historical Perspective of the Application of the Boston VA Jamaica Plans VA Process Approach

2:45–4:00 PM

Poster Session 1. Epilepsy & Neuroscience
Acadia

Cognitive Neuroscience

1. AGARUNOV, E Processing Speed and White Matter Integrity Across Young Adulthood to Late-mid Life
 2. BEDARD, M The Moderating Influence of the Val66Met Polymorphism of the Brain Derived Neurotrophic Factor Gene in the Relation Between Cognitive Flexibility and Perceived Loneliness Relevant to Depressive Symptoms
 3. FIGUEROA, CM Reinforcement Learning and Error-Related Negativity Distinguish Healthy Elders at Genetic Risk for Alzheimer's Disease
 4. KAEMMERER, TD Implicit Motor Sequence Learning among Healthy Older Adults and Older Adults with Mild Neurocognitive Disorder: Examining the Impact of Embedded Associative Structure
 5. KITCHENER, E Category Specificity in Right Temporal Variant Semantic Dementia
 6. MERCER, EN Cognitive Development Trajectories of Planned Cesarean Sections and Vaginal Births
 7. OH, C The Effects of Cognitive Loading on Parameters of Gait and Possible Risk of Injurious Falls
 8. RYMAN, S Multimodal Cognitive Control: an fMRI study of the AX-CPT
 9. SMITH, CT The Neural Basis of Emotional Working Memory and Its Relation to Adaptive Emotional Functioning
 10. SMITH, HA Does Positive Affect Enhance or Disrupt Cognitive Control Processes? An Event-Related Potential (ERP) Study
 11. TURNER, JA Neural Circuits of Source Memory and Imagination
 12. VINGERHOETS, G Effective Connectivity Underlying the Production of Speech and Hand Gestures

Electrophysiology/EEG/ERP

13. CARBINE, KA The Relationship Between Food-Related Inhibitory Control, Weight, and BMI Status: Implications for Calorie and Carbohydrate Intake
 14. KEITH, C Effects of Acute Psychosocial Stress on Attentional Resources and Response Inhibition: An Electrophysiological and Behavioral Study
 15. LITHFOUS, S Investigating Face Identity Discrimination using Fast Periodic Visual Stimulation (FPVS)
 16. MANGAL, P Modulation of Electrocortical Responses to Emotional Pictures in Parkinson's Disease
 17. MCKINNEY, TL Medial Frontal Theta Dynamics Predict Temperamental Self-Regulation but Not Executive Response Inhibition
 18. STEPHENSON, AJ Behavioral Inhibition and Baseline Frontal Asymmetry are Associated with Sleep Quality Components
 19. WANG, Y Narcissistic Personality Disorder Modulates the Outcome Evaluation of Trusting Strangers: An Event-related Brain Potentials Study

Epilepsy/Seizures

20. BERMUDEZ, CI Delayed Verbal Memory Decline Associated with Left Stereotactic Laser Ablation for the Treatment of Temporal Lobe Epilepsy
 21. BERMUDEZ, CI How to Measure the Quality of Life in Hispanics with Epilepsy? A Spanish Version of the Personal Impact of Epilepsy Scale in a Multicultural Treatment and Research Setting.
 22. BERMUDEZ, CI Improvement in Non-Memory Neuropsychological Test Performance Following Stereotactic Laser Ablation for the Treatment of Temporal Lobe Epilepsies.
 23. BERMUDEZ, CI Visual and Verbal Memory Changes Associated with Left vs. Right Stereotactic Laser Ablation for the Treatment of Temporal Lobe Epilepsies.
 24. CAVACO, S Auditory Verbal Learning Test in unilateral MTLE with hippocampal sclerosis
 25. CONSIDINE, CM The Clinical and Neuropsychological Characteristics of a Nocturnal-seizure Sample, with Case-matched Comparison to a Diurnal-seizure Contrast Sample
 26. CORNWELL, M The moderating role of seizure variables on social communication difficulties in children with epilepsy
 27. DICKSON, DM Expressive Language Measures in Focal Epilepsy: How Do They Relate and Do They Help with Lateralization?
 28. KORTHAUER, LE Regional Subcortical Volumes are Associated with Pre-Operative Memory Performance in Left Anterior Temporal Lobectomy (ATL) Patients
 29. LAFLEUR, J Impact of neuropsychological consultation in a multidisciplinary pediatric epilepsy clinic
 30. LEE, Y Psychosocial Outcomes 10-years After Diagnosis of Childhood Onset Epilepsy
 31. LOCKE, D Ability of the Brown Location Test to Differentiate Right and Left Mesial Temporal Lobe Epilepsy: Replication in an Epilepsy Monitoring Unit Sample

32. LOCKE, D Predictive Factors of Alexithymia in Epilepsy and PNES
33. MAGNUSON, S Construct Validity of NAB Shape Learning in Predicting Mesial Temporal Lobe Seizure Lateralization
34. MAIMAN, M Subjective cognitive complaints on the MMPI-2-RF are not associated with cognitive performance on neuropsychological measures among a sample of patients with epilepsy
35. MCLAUGHLIN, R Parental Helplessness and Executive Functioning in Pediatric Epilepsy
36. NAKHUTINA, L The Relationship Between Prospective Memory Performance, Memory Complaints, and Depression in Ethnically Diverse Patients with Epilepsy
37. PRITCHETT, A Differences in the Performance of ADHD and Epileptic Patients on Tasks of Attention and Executive Function
38. PUENTE, AN Can neuropsychological test scores predict Wada laterality?
39. RESCH, Z Neuropsychological Changes Following Frontal Lobe Resections in Patients with Epilepsy
40. REYES, A Reduced frontal lobe neuronal activity at rest contributes to executive function decrements in patients with temporal lobe epilepsy
41. RUM, RS Cognitive Function, Depression, and Quality of Life in Postoperative Epilepsy Patients
42. SABAT, C Differential Patterns of Memory Impairment in Temporal Lobe Epilepsy Subtypes
43. STEFANATOS, AK Cognitive and Adaptive Functioning Following Pediatric Hemispherectomy
44. STEFANATOS, G Preservation of Neurocognitive Function in Continuous Spike and Wave During Sleep (CSWS)
45. SUDIKOFF, EL Surgical Resection Effects on Quality of Life in Pediatric Epilepsy
46. WADSWORTH, H Gender Differences in Neuropsychological Lateralization Accuracy in Temporal-Lobe Epilepsy
47. ZACHERY, A Epilepsy Surgery and Language Performance: The Effects of Resection Overlap with Functional Activation
- Imaging (Functional)**
48. BERNIER, RA Examining Neural Network Representation of Task and Rest Following Moderate and Severe Traumatic Brain Injury
49. BRENNER, E Examining Neural Network Connectivity After Memory Training in Healthy Older Adults
50. DUDA, B Dual Compensatory Processes of Brain Activations and Deactivations Support Older Adults' Maintenance of Cognitive Function
51. HOSKINSON, KR Functional Magnetic Resonance Imaging of Social Cognition Following Pediatric Traumatic Brain Injury
52. KRISHNAMURTHY, LC Test-Retest Reliability of Seed-Based Resting State Reading Networks Differentiate Typical and Poor Readers
53. LEE, BG [F-18]FDG uptake, neurocognition, and number of fights in professional boxers and MMA fighters
54. LENGU, K Neural Correlates of Gaze Processing Explored with Functional Near-Infrared Spectroscopy (fNIRS) at 9 Months: Relationship to Social and Cognitive Development at 2.5 Years
55. LIGHT, SN Fronto-Striatal Correlates of Empathy Subtypes in Healthy Adults
56. MÖLLER, MC Neural Activity During Vigilance Test Performance – Relation to Cognitive Fatigability in Mild Traumatic Brain Injury.
57. MILLER, E Links Between Intrinsic Amygdala Activity and Experiences of Discrimination
58. NGUYEN-LOUIE, T fMRI-Based Prediction of Level of Response to Alcohol and Heavier Drinking in Adolescents
59. PETERS, AT Neuroendocrine Modulation of Limbic Activation During Semantic List Learning in Depression
60. ROWLAND, J Observing Dynamic Networks During the Completion of a Complex Cognitive Task
61. SPIROU, A Exploration of Neuro-Correlates Between Healthy and TBI Individuals as Modulated by Depression
62. TART-ZELVIN, A An fMRI Study: Neural Mechanisms Associated with Rehearsal Strategy and a Working Memory Task
63. TRACY, JI Functional Connectivity Superior to Task fMRI Activation at Predicting Language Performance
64. TRACY, JI The Effects of Aging on the Lateralization of Visual-Spatial Semantic Memory in Temporal Lobe Epilepsy
65. TRAN, S Task-Residual Functional Connectivity In Language and Attention Networks
66. WOODARD, JL Resting State Connectivity in Brain Regions Associated with Semantic Familiarity and Knowledge: Relationships with Neuropsychological Performance
67. WOODBURN, MA Motor Network Connectivity Differentially Supports Fine and Gross Motor Skills During Childhood
68. WRIGHT, I Clinical Utility of a Functional Imaging Approach to Visuospatial Memory Lateralization in Epilepsy
69. ZLATAR, ZZ Objectively-Measured Physical Activity and Sedentary Time and Their Associations With Cerebral Blood Flow and Cognition in Older Adults
- Imaging (Structural)**
70. ALEKSONIS, HA Diffusion Tensor Imaging of the Genu of the Corpus Callosum: Associations with Day-to-Day Executive Function in Pediatric Brain Tumor Survivors
71. ARRINGTON, C Residualized Tract and Whole Network White Matter Microstructural Integrity Negatively Correlates with Reading Measures
72. CASTAGNA, PJ Parsing The Neural Correlates Of Anxious Apprehension And Anxious Arousal In Development: An Examination Of Cortical Thickness In Youth
73. COBIA, DJ Hippocampal Shape Features Relate to Limbic Integrity and Episodic Memory Function in Neuropsychologically Near-Normal Schizophrenia

74. EDWARDS, M Association between network connectivity of select brain regions and cognitive abilities based on deterministic single tensor and multi-fiber diffusion MR tractography
75. GARCIA-EGAN, PM Genetic risk alleles for inflammation and white matter integrity in older healthy adults
76. GOODRICH-HUNSAKER, NJ Developmental and sex-related changes in white matter integrity in children: tract-based spatial statistics versus deterministic and probabilistic tractography
77. HORTMAN, K Volume of the thalamus relates to verbal fluency performance following a major depressive episode
78. KASSEL, MT Radial Diffusivity of Cingulo-Opercular Network Predicts Attentional Switching Performance in Healthy Aging
79. MCLAREN, ME Association of Subthreshold Depressive Symptoms with Cortical Thickness and Surface Area of the Insula
80. PRESSON, N Quantification of Diffusion Tractography for Research Application: The Control Group Matters
81. REITER, K Cognitive reserve protects against cortical atrophy in those at genetic risk for AD
82. RIZVI, B The Relationship Between White Matter Hyperintensities and Cognition and the Mediating Role of Cortical Thickness
83. ROCHETTE, AD High-Frequency Heart Rate Variability and Structural Brain Integrity in Heart Failure
84. ROYE, S Dimensions of Executive Functioning and Cortical Thickness in Younger and Older Adults
85. SEMMEL, E Diffusion Tensor Imaging of the Inferior Fronto-Occipital Fasciculus: White Matter Integrity and Associations with Visual-Motor Coordination in Pediatric Brain Tumor Survivors
86. SHAKED, D The Relation of Socioeconomic Status and Executive Function: Is Prefrontal Cortex Volume a Mediator?
87. VELEZ LOPEZ, A Cardiovascular Fitness is Positively Correlated with Left Entorhinal Cortical Thickness in Healthy Young Adults
88. WHITNEY, N White Matter Correlates of Early Academic Proficiency in Young School-Age Children
89. WIER, R Role of the Cingulum Bundle in Emotional and Behavioral Concerns in Pediatric Brain Tumor Survivors
90. WILLIAMS, VJ Age-Dependent Associations Between Cortical Thickness and Cardiorespiratory Fitness

Neurostimulation/Neuromodulation

91. CALHOUN, OC Impedance levels and tolerability of 2mA HD tDCS in older adults
92. CURY, MG The Effects of Noninvasive Brain Stimulation on Executive Function in Binge Eating Disorder: A Pilot Study
93. DEMETER, G The Effect of Subthalamic Nucleus Deep Brain Stimulation on Memory and Executive Functions in Parkinson's Disease
94. GARCIA, S HD-tDCS as a Neurorehabilitation Technique for a Case of Post-Anoxic Leukoencephalopathy
95. SEAGLY, KS Pairing Brain Stimulation with Psychotherapy: A TMS Pilot Study Treating Combat Related PTSD and Co-Occurring Cognitive Symptoms
96. WILSON, K Transcranial Direct Current Stimulation (tDCS) Over Left Prefrontal Cortex Improves Visual Detection of Words

4:15–4:30 PM

Program Welcome

**Program Committee Chair: Benjamin M. Hampstead
Carondelet**

4:30–5:30 PM

Plenary A. The Impact of the Past on Current and Future Views of Limb Apraxia

**INS President: Kathleen Y. Haaland
Carondelet**

1. HAALAND, KY The Impact of the Past on Current and Future Views of Limb Apraxia

5:30–6:30 PM

INS Awards Ceremony
Awards Committee Chair: Roy P.C. Kessels
Carondelet

6:30–7:30 PM

Welcome Reception
Bissonet

THURSDAY, FEBRUARY 2, 2017

7:20–8:50 AM

CE Workshop 7. Financial and Health Decision Making in Old Age: Neuropsychology, Neuroimaging, and Race Considerations
Presenter: Duke Han
Bissonet

1. HAN, D

Financial and Health Decision Making in Old Age: Neuropsychology, Neuroimaging, and Race Considerations

7:20–8:50 AM

CE Workshop 8. Hearts and Minds: Recent Advances in the Neuropsychology of Pediatric Critical Congenital Heart Disease
Presenter: Adam R. Cassidy
Salon D

1. CASSIDY, AR

Hearts and Minds: Recent Advances in the Neuropsychology of Pediatric Critical Congenital Heart Disease

8:00–9:15 AM

Poster Session 2. Adult 1 & Historical Acadia

Assessment/Psychometrics/Methods (Adult)

1. ALIOTO, A

Neuroanatomical Correlates of the TabCAT Number-Picture Match

2. BAILEY, KC

Getting the Most out of Your Performance Validity Investment: An Examination of Five Tests among a Mixed Clinical Sample of Veterans

3. BASHEM, J

Performance Validity Assessment of Bona Fide and Malingered Traumatic Brain Injury Using Novel Eye-Tracking Systems

4. BEACH, J

Inconsistency in Responding is Associated with Greater Self-Reported Executive Dysfunction

5. BERG, J

Comparing the Electronic and Standard Versions of the Montreal Cognitive Assessment in an Outpatient Memory Disorders Clinic

6. BOETTCHER, A

The relation of self-report pain scales to neuropsychological performance using structural equation modeling

7. BRITT, JY

Performance on Benton Facial Recognition Test and Ekman 60 Faces Test in Veterans

8. BUPP, LL

Classification Accuracy of Reliable Digit Span and Reliable Digit Span Revised

9. BUPP, LL

Classification Accuracy of the Word Choice Test

10. COLVIN, MK

Using the Addenbrooke's Cognitive Examination – Revised (ACE-R) to Identify the Type and Severity of Cognitive Impairment in Older Adults

11. COOK, SE

Test of Premorbid Functioning Predicts Markers of Intellect in an Outpatient Clinical Sample

12. CORRERO, AN

The Brief Estimate of Seconds Test (BEST): Piloting a New Measure of Chronognosis with ADHD and Memory Disorder Samples from a VA Clinic

13. DE JONGHE, JF

Does Depression Explain Poor Effort on Symptom Validity Tests (SVT)?

14. DHILLON, S

Predictive Capacity of Symptom Validity Tests for the Detection of Feigned Cognitive Impairment Associated with mild Traumatic Brain Injury (mTBI)

15. DIXON, A

Variation in Alabama Brief Cognitive Screener Score in Amnesic and Non-Amnesic Mild Cognitive Impairment with Level of Education

16. GERSHON, R

Equivalence of the NIH Toolbox for Assessment of Neurological and Behavioral Function iPad version

17. GODFREY, M

An evidence-based evaluation of neuropsychological tests used to assess dementia among older adults with Down Syndrome

18. GOLDSWORTHY, R

The value of future rewards: Factors that influence discounting rates on a human operant delay discounting task

19. GUALTIERI, A

Influence of Test-Retest Interval on Stability of Neuropsychological Tests in College Athletes

20. GUZMAN, D

Construct Validity of the Tinker Toy Test

21. HALE, C

Introducing the ModRey: An Episodic Memory Test for Non-Clinical and Preclinical Populations

22. HENDRIKS, M A Causal Modeling Approach of WAIS-IV Profiles of Patients With Temporal Lobe Epilepsy, Psychiatric Patients and Matched Controles
23. HERSHAW, J Predicting Invalid Responses Using Pupil Diameter During a Cued Attention Task
24. HOYMAN, LC The Impact of PTSD on Verbal Learning and Memory using the CVLT-II
25. IBANEZ-CASAS, I Protocol for the Development of a Domain Specific Computerized Battery for Cross-Cultural Neurocognitive Assessment: The EMBRACED Project
26. IBANEZ-CASAS, I Word Lists Development for Cross-Cultural Verbal Memory Assessment in a Computerized Neuropsychological Battery: The EMBRACED Project
27. ISAAC, L An Evaluation of Premorbid Intelligence Estimates: BEST and WIAT in a Young, Diverse Population
28. GOLLA, L Predictive Value of ECog Total Score and Informant Characteristics on Cognitive Impairment
29. KRIVENKO, A Relationship between the five-point test and a self-report measure of executive functioning in a random sample of English speaking adults
30. LARA-RUIZ, J The impact of PTSD symptoms and cognitive performance on student veterans' academic achievement
31. LAU, L Association between Performance Validity and Symptom Validity Tests with the MMPI-2-RF among Simulators Feigning Neuropsychological Dysfunction
32. LAU, L Classification Accuracy of Performance Validity and Symptom Validity Tests among Examinees Feigning Neuropsychological Dysfunction
33. MANDERINO, L Immediate Post-Concussion Assessment and Cognitive Testing Validity Indices Are Correlated with External Performance Validity Measures
34. MARRA, DE An Updated Exploration of the Frequency of Invalid Performance in an Undergraduate Sample
35. MCKAY, D The Relationship between Performance Validity Tests and Diagnoses among Veterans with History of mTBI
36. MEAD, C Validation of the TabCAT Favorites Memory Test: Neuroanatomical and Memory Correlates in Neurologically Healthy Older Adults
37. MERRITT, VC Evaluating the Test-Retest Reliability of Symptom Indices Associated with the Post-Concussion Symptom Scale
38. MILLOY, A Incremental Validity of MoCA Subscale Scores in Amnesic MCI and Alzheimer's Disease
39. NGUYEN, CM Vascular medical factors associated with health and safety behaviors among older male Veterans residents admitted to an inpatient rehabilitation unit
40. OSWALD, TM Embedded Performance Validity Index within the Memory Module of the Neuropsychological Assessment Battery (NAB): A Pilot Study
41. OTRUBA, B The Predictive Value of Verbal Fluency and Story Memory upon Story Recall Using the Repeatable Battery for Assessment of Neuropsychological Status in an Inpatient Setting
42. OZINGA, C Statistical Adaptation of the Boston Naming Test Short Form for Hebrew Speaking Older Adults
43. PARKER, AF The New Normal: Creating Updated Norms for Neuropsychological Measures
44. PARKS, A Clinical Utility of the Visual Object and Spatial Perception Incomplete Letters Test
45. PATT, VM Digit Vigilance Test: Speed versus Accuracy Tradeoff Revealed
46. PERSINGER, VC California Verbal Learning Test-II Total Hits and Total False Positives as Embedded Performance Validity Measures in Mood Disorders
47. POSSIN, KL The TabCAT Brain Health Assessment for Detecting Mild Cognitive Impairment and Evaluating Domain-Specific Deficits
48. QUINN, C Association of Judgment Ability and Functional Status in a Sample of Mixed Rehabilitation Inpatients
49. RITCHIE, KA An empirical examination of impaired baseline performances on the Standardized Assessment of Concussion
50. SAAD, L An Update on Normative Data for Neuropsychological Performance on Memory and Language Measures in a Racially Diverse Older Adult Longitudinal Cohort
51. SACCÀ, F Normalization of Timed Neuropsychological Tests With the use of the PATA Rate and Nine-Hole Pegboard Tests
52. SCHAEFER, LA Is the Montreal Cognitive Assessment (MoCA) Related to Functional Outcome and Discharge Destination in a Geriatric Stroke Rehabilitation Population?
53. SCHREYER-HOFFMAN, G Effects of RBANS Demographic Adjustments with a Culturally Diverse Urban Elderly Sample
54. SHAAFI KABIRI, N Continuous Performance Test-Identical Pairs (CPT-IP): Characterization and Relation to Other Attention and Working Memory Tasks
55. SHARMA, M Engagement and Motivation: Conventional Paper and Pen Neuropsychological Testing and Virtual Reality
56. SICARD, V Construct Validity of a Color-Shape Switch Task
57. SLYNE, KE Four Year Test-Retest Reliability of the RBANS and Executive Functioning Measures in Healthy Elderly
58. STAFFARONI, AM Four- and Five-Factor Models of WAIS-IV Interpretation in a Clinical Sample
59. STEGMAN, RL Percentage of Low Scores is a Useful Embedded Measure
60. STUBBS, WJ Concurrent Validity of the ADHD Symptom Questionnaire Inattention Subscale (ASQ-I): A Pilot Study of Performance on CPT-II and D-KEFS TMT Indices
61. TAM, DM Survey of Neuropsychologists' Practices and Perspectives Regarding the Utilization of Technicians
62. TANG, R The Impact of Language and Education on Non-verbal Neuropsychological Measures
63. THOMPSON, LI Cards, Balloons, or Dice? A Comparison of Risky Decision-Making Tasks and Their Associations With Working Memory, Anxiety, Depression, and Risk Taking

64. TRIFILIO, E A Tale of Two Stories: Comparing Logical Memory and Newcomer Stories
65. UPSHAW, J Allocentric vs. Egocentric Neglect in Stroke Patients: Assessment Through Eye-tracking and Impacts on Functional Outcomes
66. VAUGHN, DW Blunt(ed) performance: Examiner judgments of cannabis user status predicts neuropsychological outcomes
67. VO, TT Promoting Healthy Cognitive Aging: Development and Psychometric Properties of the Healthy Brain Aging Activity Engagement Questionnaire
68. WALLS, BD Utility of the CAARS Validity Scales in Identifying Feigned ADHD, Random Responding, and Genuine ADHD in a College Sample
69. WHEELER, JM The Role of Spoken Language and Verbal Mediation in Performance on the Serial Digit Learning-8 Test
70. YOCHIM, B Validity of the Verbal Naming Test using a 5-second response time limit
71. ZAHEED, AB The Chicago Alternative Stroop Test: Developing a Clinical Measure of Incidental Learning

Historical

72. BALL, K The Evolution of Autism Spectrum Disorder: From Severe Psychopathology to the Executive Dysfunction Hypothesis
73. FORD, AI From Morosis to Neurocognitive Disorders: A History of Dementia and its Neuropsychological Assessment
74. HAHN-KETTER, AE Future Directions of Neuropsychology from a Training Perspective: Factors Affecting Training Satisfaction from the AACN Student Affairs Committee Survey of Neuropsychology Trainees
75. KIRMSE, R Historical Approaches to Neuropsychological Assessment, Theoretical Models, Current Practices and Clinical Applications: An Exploration of Luria and Halstead Theories
76. MAIMAN, M Exploring The Relationship between EF Performance Based-Measures and Questionnaires in Neurodevelopmental Disorders (NDDs) Associated with Intellectual Disability (ID)
77. MAIMAN, M The History of Assessment in Individuals with Intellectual Disability: Problems. Solutions. Future Directions
78. VARGO, TL Byron P. Rourke: Contributions to the Field of Pediatric Neuropsychology

HIV/AIDS/Infectious Disease

79. AGHVINIAN, M Quality of healthcare is associated with antiretroviral regimen neuropenetrance and neuropsychological outcomes among HIV+ adults
80. ARCE RENTERIA, M Characterization of Neurocognitive Intra-Individual Variability Among HIV+ Adults With and Without Current Cocaine Use
81. BELTRAN, JL Time-Based Prospective Memory Deficits Are Uniquely Associated with Medication Management Errors in Older Adults Living with HIV
82. FAYTELL, MP Investigation of the Interrelationships Between Fatigue, Memory Impairment, and Antiretroviral Adherence in HIV Disease
83. FERNANDEZ-GONZALO, S Quality of life and emotional state improve after hepatitis C curative therapy with direct antiviral agents.
84. HARDCASTLE, C Cognitive and Motor Functioning in Older Adults with HIV: A Comparison with Parkinson's Disease
85. HUNTER, SJ Confirmatory Factor Analysis of the Behavioral Rating Inventory of Executive Functioning (BRIEF) in Young Black Men who have Sex with Men (YBMSM)
86. HUNTER, SJ EF, Frequency of Marijuana Use, and HIV Risk Reduction in Young Black Men who have Sex with Men (YBMSM)
87. IUDICELLO, JE Profiles of HIV-Associated Neurocognitive Impairment in the Context of Low and High Blood-Brain Barrier (BBB) Permeability
88. JÓDAR, M Cognitive function improvement in HIV-HCV co-infected Patients after treatment for HCV with direct antiviral agents (DAA).
89. JONES, J Apathy is Related to Quality of Life in HIV-infected Adults
90. HESTAD, K HIV and AIDS Associated Neurocognitive Functioning In Zambia- A Gender Perspective
91. KEUTMANN, M Sex and HIV Serostatus Differences in Executive Mechanisms of Verb Fluency Among Drug Users
92. KORDOVSKI, VM Frequency and Correlates of Low Health Literacy in HIV-Associated Neurocognitive Disorder
93. LEVINE, A Suboptimal effort in HIV neuropsychological research studies: does it influence estimated prevalence rates of HIV-associated neurocognitive disorders (HAND)?
94. POSADA-SHEA, C Learning and recall of emotionally-laden words among individuals living with HIV and bipolar disorder
95. TIERNEY, SM Semantic Memory in HIV-Associated Neurocognitive Disorders: An Evaluation of the 'Cortical' vs. 'Subcortical' Hypothesis
96. TRAINO, KA Neuropsychological functioning of HIV-negative Cryptococcus meningoenephalitis survivors

9:00–10:30 AM

Invited Symposium 1. Electrical Brain Stimulation and Cognitive Disorders

**Chair: Marom Bikson
Carondelet**

1. BIKSON, M Electrical Brain Stimulation and Cognitive Disorders

2. BIKSON, M The Basics of tDCS: Technology and Mechanisms
3. WOODS, AJ Combating Cognitive Aging and Dementia with Transcranial Direct Current Stimulation (tDCS)
4. CHARVET, LE At-Home Access: Extending Clinical Trials of Cognitive Remediation and tDCS through Remote Supervision

9:00–10:30 AM**Symposium 1. Neuropsychology in the Americas****Chair: Alberto L. Fernandez****Bissonet**

1. FERNANDEZ, AL Neuropsychology in the Americas
2. FERRERES, A Neuropsychology in South America
3. JUDD, T The Past, Present, and Future Development of Neuropsychology in Central America
4. GROTE, C Neuropsychology in the United States and Canada
5. MANLY, JJ Collaboration of Neuropsychologists in the Americas can Accelerate Progress in Research and Practice

9:00–10:30 AM**Symposium 2. An integrative look at the Boston Process Approach to Neuropsychology: A review of the history, current research and future directions of error analysis****Chair: Melissa Lamar****Salon D**

1. LAMAR, M An integrative look at the Boston Process Approach to Neuropsychology: A review of the history, current research and future directions of error analysis
2. LIBON, DJ The history of the Boston Process Approach and the role of Edith Kaplan
3. AU, R Incorporating the Boston Process Approach into Cognitive Assessment in the Digital Era: Framingham e-Cognitive Health Initiative
4. LAMAR, M Multi-method integration of human connectomics with the Boston Process Approach to neuropsychological assessment
5. KARSTENS, A Adapting Boston Process Approach algorithms used in dementia research to a normal aging population
6. DIAZ-ORUETA, U The E-SPACE Project: An international expansion of the Boston Process Approach to incorporate error analysis of behaviour

9:00–10:30 AM**Paper Session 1. Risk & Alzheimer's****Moderator: Felicia C. Goldstein****Salon E**

1. BLANKEN, AE Longitudinal neurocognitive profiling of empirically-derived Alzheimer's disease variants
2. NATION, DA Independent and Interactive Effects of Cerebral Amyloid and Tau on Neuropsychological Decline and Structural Brain Changes in Older Adults
3. LOBUE, C Traumatic Brain Injury History and Progression from Mild Cognitive Impairment to Alzheimer Disease
4. YEW, B Elevated Cerebrovascular Resistance Predicts Increased Amyloidosis, Cerebral Atrophy, and Cognitive Decline
5. GLENN, MA Primacy Effects in Cognitively Normal Older Adults with Alzheimer's Disease Pathology
6. MCINTOSH, EC Untreated Diabetes Associated with Tau Pathology and Worse Cognitive Performance in Older Adults

9:00–10:30 AM**Paper Session 2. Veterans' Health****Moderator: Amy J. Jak****Salon F-H**

1. TRITTSCHUH, E PTSD + Aging: Psychoeducational Intervention to Promote Self-Efficacy and Healthy Brain Behaviors in Older Veterans with Cognitive Concerns
2. MISKEY, HM Cognitive Performance of Veterans in an Inpatient Posttraumatic Stress Disorder Program Pre- and Post-Treatment
3. JAK, AJ Neuropsychological outcomes following hybrid treatment for Veterans with comorbid TBI and PTSD
4. SCOTT, J Verbal Memory Functioning Moderates Psychotherapy Treatment Response in PTSD
5. WILLIAMSON, JB Lateralized limbic white matter integrity is associated with PTSD symptoms
6. LERITZ, E TBI and PTSD Moderate the Relationship Between Blood Pressure and Cortical Thickness in OEF/OIF/OND Veterans

9:30–10:45 AM**Poster Session 3. Peds 1
Acadia****Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Child)**

1. ALVAREZ, G
Clinical Features of Young Children with Disorders of Consciousness
2. ANTONINI, T
Changes in Parenting Skills Following Participation in Two Versions of an Online Parenting Program Designed for Families of Young Children with TBI
3. ARCHAMBAULT, W
Differences in the Psycho-Affective Profile and ADHD Index Scales in Adolescent Hockey Players with a History of Concussions
4. BAILEY, CM
Pre-Injury Child-SCAT3 Performance in a Youth Sports Sample
5. BAUGHMAN, BC
The Relationship Between Multi-modal Neuropsychological Measures and Head Impact Telemetry Over the Course of a Single High School Soccer Season
6. BIEKMAN, B
Frontal Lobe Volume and Thickness Differences Between Children With Traumatic Brain Injury and Children With Orthopedic Injury
7. BURNS, AR
Changes in Executive Functioning Following Concussion: Comparisons Between ADHD, Learning Disability, and Typically Developing Children and Adolescents
8. COHEN, ML
Parent Ratings of Language Problems After Pediatric Traumatic Brain Injury
9. COHEN, P
Do Initial Symptom Factor Scores Predict Subsequent Impairment following Concussion?
10. DANGUECAN, AN
Stability of overall intellectual functioning into early school-age for children with neonatal arterial ischemic stroke
11. DUNCAN, B
A Comparison of Performance Validity on the CNS Vital Signs (CNSVS) Validity Indicators and Green's Medical Symptom Validity Test (MSVT) in a Sample of Pediatric Concussion Patients
12. FABER, J
Executive Functioning and Diffusion Tensor Imaging in TBI
13. FAY-MCCLYMONT, TB
Neuropsychological, behavioural, and quality of life outcomes in a cohort of children with autoimmune encephalopathies
14. HIRST, E
Epidemiology of Sport and Non-Sport-Related Concussion in Adolescents
15. HOLLAND, A
Predicting Long-Term Cognitive Outcomes of Pediatric Stroke According to Stroke Severity Classification
16. HOWARTH, RA
Functional Outcomes for Pediatric Patients Diagnosed with Anti-NMDA Receptor Encephalitis during Inpatient Rehabilitation
17. IWAMOTO, BK
Recovery of Memory Following Pediatric TBI: The Impact of Coma
18. JASHAR, D
Retrieval Differences Following Concussion
19. KONTOS, AP
Comparison of Adolescents with Vestibular and Anxiety Clinical Profiles following Concussion
20. KOWALSKI, K
Are Pre-Injury Sleep Behavior and Acute Post-Concussive Symptoms Predictive of Post-Injury Sleep Behavior in Children with Mild Traumatic Brain Injury or Orthopedic Injury?
21. KOWALSKI, K
The Relationship Between Pre-Injury Sleep and Acute Post-Concussive Symptoms in Children with Mild Traumatic Brain Injury and Orthopedic Injury
22. KWAN, V
The Relationship Between Pain and Post-Concussive Symptoms: Comparing Children with Mild Traumatic Brain Injury to Orthopedic Injury
23. LALIBERTE DURISH, C
Persistent Effects of Pediatric Mild Traumatic Brain Injury: The Role of Resilience
24. LALIBERTE DURISH, C
The Role of Psychological Resilience in Children with Poor Recovery Following Mild Traumatic Brain Injury
25. LALONDE, G
Executive Functions After Mild Traumatic Brain Injury in Preschool Children
26. LALONDE, G
Should children with TBI be compared to orthopedic or healthy controls?
27. LEBLOND, E
Developing an Intervention to Promote Quality of Life in Pediatric Brain Tumor Survivors
28. LENIHAN, J
Recovery of Attention Deficits following Pediatric TBI: The Impact of Premorbid School Performance
29. LINDSEY, HM
Effects of Injury Severity on White Matter Tract Integrity in Relation to Verbal Memory in Chronic Pediatric Traumatic Brain Injury
30. LIU, JR
Age-Dependent Association Between Post-Concussional Children and Adolescents and Balance Performance in Neuropsychological Testing
31. LORTIE, J
Assessment Of Executive Functions Using A Colour-Shape Switch-Task In Elite Adolescent Hockey Players With And Without A History Of Concussion
32. LOVE, CE
Parent and Self-Report of Executive Functioning After Moderate to Severe TBI
33. MARINO, C
Self-Awareness of Psychosocial Functioning and Executive Functions Following Moderate and Severe Pediatric Traumatic Brain Injury
34. MAXWELL, EC
Predictors of Adaptive Functioning Following Childhood Arterial Ischemic Stroke
35. MIETCHEN, JJ
White Matter Integrity and Neuroanatomical Correlates of CVLT-C Factors in Children with Traumatic Brain Injury
36. MORRIS, S
Effects of Developmental Age on Symptom Reporting and Neurocognitive Performance in Youth after Sports-Related Concussion
37. NARAD, M
Examination of the Impact of a Web-Based Counselor Assisted Problem Solving Intervention (CAPS) on Teen Self-Report Behavior Rating Inventory of Executive Function (BRIEF) Following Pediatric TBI
38. RAMIREZ FLORES, MJ
Theory of mind in children with mild and moderate traumatic brain injury during acute stage
39. SADY, MD
Comparison of Symptom Severity and Parent-Child Agreement between Three Causes of Adolescent Concussion: Sports, Motor Vehicle Collision, and Assault

40. SANDEL, N Discrimination of Concussed Athletes from Healthy Controls Using a Multimodal Diagnostic Approach
41. SCHMID, AD Acceptability of a Return-to-Learn Program for Concussed High School Students
42. SCHMID, A Validation of a Teacher Questionnaire to Assess Concussed Students' Recovery
43. SHISHIDO, Y Cognitive Recovery of Pediatric Patients With Moderate to Severe TBI During Inpatient Rehabilitation Using the Cognitive & Linguistic Scale (CALs)
44. SMITH-PAINE, J The Moderating Effect of Dopamine Genes on the Association of Family Environment with Longitudinal Executive Function Following Traumatic Brain Injury in Early Childhood: A Preliminary Study.
45. SUFRINKO, AM Additional Sport Exposure Following Concussion has Dose Response Effect on Recovery Time
46. SVINGOS, AM Parent-Child Interaction Therapy (PCIT) Reduces Sleep Problems Following Pediatric Traumatic Brain Injury
47. VAUGHAN, CG The Relation Between Multiple Prior Concussions and Injury Severity
48. WILMOTH, K Delayed Clinical Evaluation Following Concussion Predicts Prolonged Return to Play in Female Student-Athletes
49. WRIGHT, KL Relationship Between Processing Speed with White Matter Hyperintensity Volumes and Injury Severity
- Autism Spectrum Disorders**
50. ABRAMS, D Early ASD Symptoms, Demographic Characteristics, and Adaptive Skills Predict Change in Cognitive and Language Abilities in Toddlers with ASD
51. AMMONS, C Age and Diagnosis Effects on Mid Fusiform Sulcus Anatomy in Autism Spectrum Disorder
52. BEDNARZ, H Changes in Reading Comprehension as a Result of Language Intervention in Children with Autism Spectrum Disorders
53. BERGER, NI Evaluating the Neural Correlates of Intention Understanding in Autism Spectrum Disorder
54. BERTOLIN, M Effects of Social Skills Training on Emotional Face Processing in Adolescents With Autism Spectrum Disorder: Behavioral and Electrophysiological Correlates
55. BRADBURY, KR M-CHAT-R/F Performance in High-Risk Infant Siblings
56. CASTELLUCCIO, B Verbal Inferential Reasoning in Autism Spectrum Disorder
57. CHEN, J Differences in Early Temperament Between High Risk Baby Siblings With and Without Autism: Analyses by Gender
58. CHO, I Frontostriatal Structural Connectivity in Autism Spectrum Disorder
59. DOLAN, B Examining the Durability of PEERS for Adolescents With ASD: Maintenance of Neurological and Behavioral Effects
60. GAO, Y Behavioral and Neural Substrates of Language Delay in Children with Autism Spectrum Disorder
61. GREEN, R Beery VMI and Structural Volume Correlates in Autism Spectrum Disorder
62. HERRINGSHAW, AJ Neural Correlates of Social Perception in Children with Autism: Local versus Global Preferences
63. JENNINGS, K Conversational Speech in Autism: Behavioral, Emotional, and Neuropsychological Viewpoints
64. LANDRY, A Neurocognitive and Adaptive Functioning in Children with Autism Spectrum Disorder and Comorbid Attention Problems
65. LANDRY, A Virtual Reality as an Assessment Modality with Pediatric ASD populations: A Systematic Review
66. LEE, CM Inter-limb Transfer of Kinematic Adaptation in Children with Autism Spectrum Disorder
67. LESSER, R Evolutions in Diagnostic Criteria and Implications: A case study
68. MASSA, J The Effect of Social Story Training on Social Skills of Cypriot Children with Autism Spectrum Disorder
69. MOULTON, E Change in ASD Symptom Severity Between Ages Two and Four
70. NAIR, A Altered thalamocortical connectivity in the first-year of life correlates with early social difficulties in high-risk siblings of children with autism
71. NAKAGAWA, Y Grammatical Difficulties for Adults with ASD and ADHD
72. PETERS, AT Giant Congenital Melanocytic Nevus in a Two-Year-Old Female with Autism Spectrum Disorder: A Case Report of Neurocognitive Functioning and Review of Neurological Implications
73. SHADA, K Examining executive functioning in ASD with or without comorbid ADHD, using the BRIEF
74. SHIELDS, BJ The Relation Between Executive Functioning and Adaptive Skills in Youth with Autism Spectrum Disorder, Level 1
- Medical/Neurological Disorders/Other (Child)**
75. BEARDEN, DJ Pain and Cognitive and School Function in Children and Adolescents with Functional Abdominal Pain
76. BRENNER, LA Is There a Broader Dyspraxia Phenotype? A Clinical Case Series Analysis
77. CLEM, M Genotype, Auditory Attention, and Educational Outcomes in Pediatric Acute Lymphoblastic Leukemia
78. COLVIN, MK Cognitive and Socio-Emotional Functioning in Children and Adolescents with PANDAS (Pediatric Autoimmune Neuropsychiatric Disorders Associated with Streptococcal Infections)
79. GIOIA, A Feasibility and Validity of a Computerized Cognitive Assessment in Pediatric Patients with Sickle Cell Disease
80. GLASS, L Characterizing Reading Performance in Elementary School-Age Children with Prenatal Alcohol Exposure

81. HAWKS, Z Baseline Cognitive and Neural Differences Distinguish BH₄ Responders from Non-Responders
82. HORTON, DK Associations Between Age at Diagnosis and Adaptive Skills in Children with Anti-N-Methyl-D-Aspartate (NMDA) Receptor Encephalitis
83. KENNEDY, T Validity of the Kiddie-Sluggish Cognitive Tempo Measure in Children with Sickle Cell Disease
84. KLIPFEL, K Neuropsychological Sequelae of an Internationally Adopted Child
85. LEPOO, RH Connecting The Dots: Fine Motor Skills, Executive Functioning Skills, and Math Achievement in Patients with Hearing Loss
86. MACMULLEN FREEMAN, L Cognitive Functioning in Children with Hypothalamic Hamartoma
87. OLSON, K Parent-Reported Social and Executive Functions in Children and Adolescents with NF1
88. POMMY, J Smaller Cortical Volumes in 3.5-to-5 Year-Old Children Born Preterm
89. RAZ, S Associations of Maternal Intellectual and Socioeconomic Factors with Neuropsychological Outcome of Preterm-Born Preschoolers
90. RAZ, S Does Motor Development Explain a Unique Portion of the Variance in Cognitive or Language Abilities in Preterm-Born Preschoolers?
91. RAZ, S Hypoglycemia and Language, Motor, and Cognitive Abilities in Preterm-Born Preschoolers
92. RAZ, S Maternal Hypothyroidism and Neuropsychological Functioning of Preschool Age Children Born Prematurely
93. RIEGER, RE Smaller Subcortical Volumes in Preschoolers Born Preterm: A Voxel-Based Morphometry (VBM) Study
94. SALAMA, CH The Relationship between the Neurological Predictor Scale and Functional Outcomes of Children with Brain Tumor following Inpatient Rehabilitation
95. BALL, K Comprehensive Neuropsychological Testing in a Young Child with Neurofibromatosis Type 1: A Case Study
96. SCHREIBER, JE Cognitive function in preschool-age children with sickle cell disease: associations with home environment and disease-severity
97. SIEBENMORGEN, M Congenital Heart Disease among Adolescents and Young Adults: Executive Control and Adaptive Functioning
98. TARAZI, R Hydroxyurea Status is Associated with Cognitive Function in Young Children with Sickle Cell Disease
99. WEGELE, A Cognition in Children and Adolescents with Myotonic Dystrophy Type 1

10:30–10:45 AM**AM Coffee Break
Acadia Ballroom****10:45–11:45 AM****Plenary B. Frontal Cortex and Human Behavior: Evidence from Intracranial Recording
Presenter: Robert T. Knight
Carondelet**

1. KNIGHT, RT

Frontal Cortex and Human Behavior: Evidence from Intracranial Recording

11:45 AM–12:45 PM**Lunch (On Own)
Conference-Wide****12:45–1:45 PM****Early Career Awardee Presentation: A Case Study Approach to Understanding Memory
Award Recipient: R. Shayna Rosenbaum
Salon F-H**

1. ROSENBAUM, R

A Case Study Approach to Understanding Memory

12:45–2:15 PM**Invited Symposium 2. Evolution of the Neuropsychology of Epilepsy Surgery
Chair: Bruce Hermann
Carondelet**

1. HERMANN, B
2. OJEMANN, J
3. HAMBERGER, MJ
4. DRANE, DL
5. MCDONALD, C

Evolution of the Neuropsychology of Epilepsy Surgery

On the Evolution of Neurosurgery and Neuropsychology in Epilepsy: Epilepsy Surgery

On the Evolution of Neurosurgery and Neuropsychology in Epilepsy: Language

On the Evolution of Neurosurgery and Neuropsychology in Epilepsy: Memory

On the Evolution of Neurosurgery and Neuropsychology in Epilepsy: Executive Functions

12:45–2:15 PM

INS Student Liaison Committee Workshop: The Neuropsychologist in the Public Domain: Kids, Academia, and the Law
Presenters: Robert T. Knight, Kathleen Y. Haaland, Erin D. Bigler, Donna J. Sorensen
Salon A-C

12:45–2:15 PM

Symposium 3. Brain and Cognition Following Very Preterm Birth
Chair: Chiara Nosarti
Bissonet

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| 1. | NOSARTI, C | Brain and Cognition Following Very Preterm Birth |
| 2. | COUNSELL, S | Preterm Birth is Associated with Impaired Development of Brain Structural Connectivity Relevant to High Order Cognitive Functions |
| 3. | BOARDMAN, JP | A Latent Measure Explains Substantial Variance in White Matter Microstructure Across the Newborn Human Brain |
| 4. | GEVA, R | Electrophysiological Changes and Attention Correlates Following Preterm Birth |
| 5. | CHRISTENSEN LØHAUGEN, G | Born Preterm with Very Low Birth Weight (VLBW) – Never Ending Cognitive Consequences? |
| 6. | NOSARTI, C | Dysconnectivity of Visuospatial Attention Network at Rest and Emotion Recognition in Very-Preterm Born Adults |

12:45–2:15 PM

Paper Session 3. Cognitive Neuroscience
Moderator: Bruce Crosson
Salon D

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| 1. | DE HAAN, E | Returning into the Footsteps of Berlucchi & Aglioti: Many Bodies in the Brain. A Review |
| 2. | KARR, JE | The Dimensionality of Executive Function throughout Adulthood: A Systematic Review and Reanalysis of Latent Variable Studies |
| 3. | BOTT, NT | Allocentric and Egocentric-based Navigation Learning: Neuroanatomical Correlates |
| 4. | HAYES, SM | fMRI activity during associative encoding is correlated with cardiorespiratory fitness and source memory performance among older adults |
| 5. | WRIGHT, MJ | The Crucial Role of Cognitive Reserve in the Effect of tDCS on Memory for Individuals With and Without Traumatic Brain Injury in a Simulated Work Environment |
| 6. | OBERLIN, LE | The Neural Correlates of Cognitive Dysfunction in Obesity: an fMRI Study |

12:45–2:15 PM

Paper Session 4. Oncology
Moderator: Jeffrey S. Wefel
Salon E

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| 1. | CHEUNG, Y | Chronic Pulmonary Conditions and Neurocognitive Function in Long-Term Survivors of Childhood Hodgkin Lymphoma |
| 2. | LIU, W | Evolution of Neurocognitive Function in Long-term Survivors of Childhood Acute Lymphoblastic Leukemia Treated with Chemotherapy Only |
| 3. | BANERJEE, P | Visuoconstruction Organizational Strategy and Neuroimaging Outcomes in Long-Term Survivors of Childhood Acute Lymphoblastic Leukemia Treated with Chemotherapy |
| 4. | BRINKMAN, TM | Genome-Wide Association Study of Attention Problems and Executive Dysfunction in Adult Survivors of Childhood Leukemia |
| 5. | FOX, ME | Attention and Functional Connectivity in Survivors of Childhood Brain Tumors |
| 6. | WEFEL, JS | Validity and Diagnostic Accuracy of the Clinical Trial Battery in Patients with Primary Brain Tumor |

1:15–2:30 PM

Poster Session 4. Aging & Dementia 1
Acadia

Aging

- | | | |
|----|-------------------|---|
| 1. | ALIOTO, A | A Longitudinal Study of Cardiorespiratory Fitness, White Matter Integrity, and Cognitive Function in Healthy Older Adults |
| 2. | BELSER-EHRLICH, J | Exploring Health-Related Quality of Life and Cognitive Functioning in Aging: A Formal Test of the Wilson & Cleary Model |
| 3. | BERNSTEIN, J | Examining Cognitive Correlates of Sleep Quality, Daytime Sleepiness, and Insomnia in a Cognitively Healthy Older Adult Sample |
| 4. | CAMPBELL, LM | Relationship between Cerebral Blood Flow and Famous Face Naming in Cognitively Normal Older Adults |
| 5. | CASALETTO, KB | Leisure Activity Participation is Associated with Neuroanatomic Structure in Healthy Aging Adults |
| 6. | CHEN, M | Neural Correlates of Obstacle Negotiation in Older Adults: An fNIRS Study |

7. CHEY, J Aging-Associated Reduction in Regional Brain Metabolism, Memory Decline and Education in a 4-year Follow-up Study of Community-Residing Elderly People
8. CHEY, J Association between the Thickness of the Left Entorhinal Cortex and the Trend in Cohesiveness of Individual's Social Network in a Longitudinal Study of Community-residing Elderly People
9. CHEY, J In-bound but not Out-bound Social Connection Moderated Age-related Brain Aging in Community-residing Elderly People
10. CHEY, J Social Network Size Moderates the Relationship between Age and Long-term Memory Score in Community-residing Elderly People over 80
11. CHOI, A Preoperative Cognitive Contributions to Cerebral Oximetry Change in Older Adults During Total Knee Arthroplasty
12. COHEN, J Physical Activity and Processing Speed Across the Lifespan
13. DASH, T Dual control mechanism in conflict management for the monolinguals and bilinguals: An fMRI study
14. DEKHTYAR, M Imaging, Lifestyle and Demographic Differences in Optimal Executive Function Performers
15. DENNY, K Long-term change associated with a multi-modal intervention to enhance cognitive compensation strategies and promote brain health activities
16. DION, C Associations of Sedentary Behavior as well as Physical Activity with Learning, Memory, and Hippocampal Volume in a Diverse Sample of Older Adults
17. DIVERS, R When and How Did You Go Wrong? Characterizing Micro-errors in Older Adults
18. DUGGER, AJ Manual and Computerized Trail Making Test Performance across the Lifespan
19. GARCIA, A Abstract and Concrete Word Processing in the Aging Brain
20. GARCIA, A The Relationship between MoCA Cut-Scores and Brain Volume
21. GOGNIAT, M The Relationship Between BMI and White Matter Volume in Older Adults
22. GONZALEZ, I Acculturation as an Important Factor in Neuropsychological Performance in patients with Alzheimer's Disease among Hispanic Elderly
23. GRACIAN, EI Transverse Patterning Performance is Not Uniform in Cognitively Normal Older Adults
24. GRAVES, L Modifications to the CVLT-II Novel Recognition Discriminability Measure to Enhance the Detection of Memory Decline in Normal Aging
25. GRIFFIN, JW The Effects of Age on Clustering Strategy During List Acquisition
26. GROSS, EZ Poor Financial Decisional Ability is Associated with Elder Financial Exploitation and is Exacerbated among Older Adults with Higher Frequencies of Low Neuropsychological Test Scores
27. HAYS, CC Relationship Between Pulse Wave Velocity, Cerebral Blood Flow, and Memory in Cognitively Normal Older Adults
28. HAYS, CC Subjective Cognitive Decline Modifies the Relationship Between Cerebral Blood Flow and Memory Function in Cognitively Normal Older Adults
29. HO, JK Memory is Preserved in Older Adults Taking AT1-Receptor Blockers
30. JONES, R Predictors and the Moderating Effect of General Health and Neuropsychological Performance
31. KAUP, AR Occupational Cognitive Complexity is Associated with Brain Structure and Cognitive Health in Mid-Life: The CARDIA Study
32. KAUR, S Inflammation mediates the relationship between metabolic (cholesterol) risk and neuronal viability in middle aged adults
33. KIM, Y Emotional Information Processing in Older Adults with Depression: Attention and Memory Biases
34. KINSELLA, GJ Memory Groups for Older People: Who Gains?
35. LEAL, G The Relationship Between Brain Atrophy and Cognitive Performance in Dementia Populations
36. LEAL, G The Relationship Between White Matter Hyperintensities and Cognitive Performance in Dementia Populations
37. LEVY, S Mechanisms of Racial Disparities in Cognitive Aging: Use of Causal Mediation in Neuropsychology Research
38. LIEBEL, SW Executive Functioning Ability is Better Predicted by Cognitive Processing Speed than by White Matter Hyperintensities or Age
39. MACE, LC The Serial Position Effect and Hippocampal Asymmetry in Cognitively Normal Older Adults
40. MAYE, JE Dispositional Mindfulness as a Predictor of Verbal Memory Performance in Older Adulthood
41. MELTZER, EP Emotion Regulation in Relation to Aging and the Preclinical Stages of Dementia
42. MORIN, R Depression and Cognitive Functioning Among Older Adults with Cancer
43. MOSELEY, SA Cognitive and Psychosocial Associations of Hearing Loss in Older Adults
44. PILLEMER, S The Effect of Perceived Social Support on Cognitive Function Among Older Adults
45. POTTER, G Physical Frailty and Cognitive Impairment in Late-Life Depression
46. RHODES, E Grit and Successful Aging in Older Adults
47. RITCHIE, H Cognitive and Emotional Associations of Dispositional Mindfulness in Older Adults
48. ROBBINS, R Relation Between Social Interaction and Cognitive Functioning in Older Adults: A Feasibility Study Using the EAR Technology
49. ROGERS, S Cognition and Older Adults' Agreeableness: Is There a Relationship?
50. ROTBLATT, LJ Effects of Hypertension and its Pharmacological Treatment in the ACTIVE Study
51. RYCROFT, SS Effects of Age and Task Goal on Naturalistic Visual Behaviors
52. SANDERS, CL Risk of Cardiovascular Disease and Cognitive Status in Middle-aged Adults: The Gray Matters Study
53. SCHMITTER-EDGECOMBE, M Multiple Types of Memory and Everyday Functional Assessment in Community Dwelling Older Adults

54. SCHOEN, C Impact of Fall-Related Psychological and Physiological Factors on Dual-Task Performance in Older Adults
55. SEIDER, T Age-Related Changes in Visual Discrimination
56. SOTO, M The Influence of Cognitive Reserve, Reading Level and Processing Speed on Executive Control Ability in Peruvian Healthy Older Adults
57. STABLER, AR Sleep Disturbance Severity is Associated with Earlier Self-Reported Onset of Cognitive Decline Among Older Adults
58. STRAINGE, L Body Mass Index and Executive Functioning in a Longitudinal Study of Healthy Elderly
59. VERNON, EK Sleep Disturbance and its Association with Cognitive Status in a Population Based Sample of Older Adults: The Cache County Memory Study
60. WALZAK, LC Vascular Illness Burden Predicts Theory of Mind Performance in Older Adults
61. WASSERMAN, VJ Cognitive Markers of Brain Aging: How Young Can We Go?
62. WASSERMAN, VJ The Association of Neuropsychological Test Error Responses to Neuroimaging Biomarkers in Young and Middle-Aged Adults
63. WEAKLEY, A Effectiveness of a Video-based Aging Services Technology Education Program for Clinical Care Professionals
- Dementia (Non-AD)**
64. ALVAREZ, E Differences Between Monolingual and Bilingual Individuals With Mild Cognitive Impairment on Memory Screening
65. CHANEY, G A Meta-analysis of Neuropsychological Functioning, Social Cognition, and Olfaction in the Frontotemporal Dementias
66. CHERAN, G Cognitive and Behavioral Measures in Early bv-FTD
67. FOSS, MP Revision of the Northwestern University Famous Faces Test (NUFFACE-R): Face Naming and Knowledge in Primary Progressive Aphasia (PPA)
68. PUTCHA, D Characterization of Cognitive Impairment in Posterior Cortical Atrophy
69. WYMAN-CHICK, KA The Impact of a Previous Diagnosis of Mild Cognitive Impairment on Mood and Quality of Life in Caregivers and Patients Recently Diagnosed With Dementia
- MCI (Mild Cognitive Impairment)**
70. BEREZUK, C Managing Money Matters: Financial Management is Associated with Increased “Functional Reserve” in Mild Cognitive Impairment
71. BEREZUK, C Sex Differences in “Functional Reserve” and Decline in Mild Cognitive Impairment from the Alzheimer’s Disease Neuroimaging Initiative: A Longitudinal Analysis
72. CAMBRONERO, FE APOE genotype modifies the association between central arterial stiffening and neuropsychological functioning in mild cognitive impairment: The Vanderbilt Memory & Aging Project
73. CROOK, CL Refinement of a Telephone Screening for Mild Cognitive Impairment
74. DAVIS, K Characterizing Omission Errors in Everyday Task Completion and Cognitive Correlates in Individuals with Mild Cognitive Impairment and Dementia
75. DENNEY, DA Differences in Awareness of Memory Function Among Persons with Amnesic MCI vs Subjective Memory Complaints but Normal Memory Function
76. DEVLIN, KN Diagnosing Mild Cognitive Impairment: Comparison of Conventional, Actuarial, and Statistical Methods
77. DIAZ SANTOS, AL The Lowenstein-Acevedo Scales of Semantic Interference and Learning (LASSI-L), and The Short-Term Memory Binding Task (STMBT) as Predictors of Mild Cognitive Impairment (MCI)
78. EMRANI, S Visual Versus Verbal Working Memory - I: Differing Between Subtle and Mild Cognitive Impairment
79. EMRANI, S Visual Versus Verbal Working Memory - II: Serial Order Position Effects in Subtle and Mild Cognitive Impairment
80. EPPIG, J APOE-E4 Moderates the Relationship between Lobar Microbleeds and a Diagnosis of Mild Cognitive Impairment
81. FIELDS, L Cognitive Functioning in MCI Patients with and without a History of Sports-Related Concussion
82. GARCIA, S Preliminary Investigation of Gaze Pattern Differences in MCI and Healthy Older Adults
83. GONZALES, M Cortical Atrophy is Associated with Accelerated Cognitive Decline in Mild Cognitive Impairment with Subsyndromal Depression
84. GUINEA, SF Can Subtle ADL Impairments be Traced Along the Continuum of MCI?
85. GUINEA, SF Short-Term Memory Binding Deficits Across Subtypes of MCI And Memory Load
86. HAGERTY, A Do as I Do, Not as I Say: Relations between Narrative Script Production and Everyday Action Performance
87. JANG, JY Affective Neuropsychiatric Symptoms and Alzheimer’s Disease Biomarkers in Non-demented Older Adults
88. KIRKLAND CALDWELL, JZ Sex Differences in Verbal Memory and Hippocampal Volume: The Impact of Amyloid Imaging Measures
89. LESNOVSKAYA, A Gaze Fixations are Associated With Object Location Memory in Older Controls and Patients With Mild Cognitive Impairment
90. REALE-CALDWELL, A Comparison of Performance Validity Tests for the RBANS
91. REYNOLDS, GO Neuropsychiatric Symptoms and Awareness of Cognitive Deficits in Mild Cognitive Impairment

92. SANTORELLI, GD Executive Function and Emotion Reactivity to Negative Mood Induction in Older Adults with Mild Cognitive Impairment/Mild Alzheimer's Disease
93. SOFKO, CA APOE genotype may modify the association between inflammatory biomarkers and neuropsychological functioning in older adults: The Vanderbilt Memory & Aging Project
94. SUHRIE, KR Association Between a Brief Telephone Screening Measure and the Repeatable Battery for the Assessment of Neuropsychological Status (RBANS)
95. SUHRIE, KR Does Performance on the Modified Telephone Interview for Cognitive Status (mTICS) Tell Us Anything About Functional Abilities?
96. SUMIDA, C Differences Between Healthy Older Adults and Individuals with Mild Cognitive Impairment on the Medication Management Abilities Assessment: Overdose and Underdose
97. THOMAS, KR Longitudinal Trajectories of Informant-Reported Daily Functioning in Empirically-Defined Subtypes of Mild Cognitive Impairment (MCI)
98. TIMPANO SPORTIELLO, MR MCI: A Study on Progression to Dementia in High-Risk Individuals
99. TREMONT, G Recognition Memory Heterogeneity in Amnesic Mild Cognitive Impairment

2:15–2:45 PM

PM Coffee Break
Acadia Ballroom

2:45–3:45 PM

Plenary C. Developmental Amnesia: Memory Formation in the Absence of Remembering**Presenter: Faraneh Vargha-Khadem**
Carondelet

1. VARGHA-KHADEM, F Developmental Amnesia: Memory Formation in the Absence of Remembering

4:00–5:00 PM

Plenary D (Birch Memorial Lecture). Cognitive Neural Prosthetics to Overcome Brain and Spinal Cord Injury**Presenter: Richard A. Andersen**
Carondelet

1. ANDERSEN, RA Cognitive Neural Prosthetics to Overcome Brain and Spinal Cord Injury

5:00–6:00 PM

Invited Presentation. From the Laboratory to the Clinic and Back: The Role of Science and Policy Development in Shaping Clinical Neuropsychology**Presenter: Antonio E. Puente**
Salon A-C

1. PUENTE, AE From the Laboratory to the Clinic and Back: The Role of Science and Policy Development in Shaping Clinical Neuropsychology

5:00–6:30 PM

Symposium 4. Historical Perspectives in the Study of Neurotrauma: Progress and Pitfalls Over 40 Years of Research**Chair: Frank G. Hillary**
Carondelet

1. HILLARY, FG Historical perspectives in the study of neurotrauma: progress and pitfalls over 40 years of research
2. LEVIN, H Milestones in Traumatic Brain Injury Research: A Neuropsychological Perspective
3. BIGLER, ED From Volumetrics to Brain Function, Lessons from TBI Neuroimaging
4. HILLARY, FG TBI in the age of the human connectome: a critique for a brave new small world

5:00–6:30 PM

Paper Session 5. Vascular Disease and Injury**Moderator: Angela L. Jefferson**
Bissonet

1. PILLAY, SB Where is Wernicke's area? A voxel-based lesion-symptom mapping study of spoken language comprehension in chronic aphasia
2. MIOTTO, EC Resting State Functional Connectivity and Neural Correlates of Face-Name Encoding in Patients with Left Frontoparietal Stroke
3. BANGEN, KJ Cerebral Blood Flow and Amyloid-B Interact to Affect Memory Performance in Cognitively Normal Older Adults
4. JEFFERSON, AL Arterial stiffness is related to decreased cerebral blood flow and increased cerebrovascular reactivity in cognitively normal older adults: The Vanderbilt Memory & Aging Project

5. WERHANE, ML Elevated pulse pressure and apolipoprotein-E genotype interact to affect functional decline in cognitively normal older adults
6. SCHNEIDER, BC Enlarged perivascular spaces and white matter hyperintensities more strongly relate to neuropsychological functioning than other neuroimaging markers of small vessel disease: The Vanderbilt Memory & Aging Project

5:00–6:30 PM**Paper Session 6. Substance Abuse****Moderator: Rosemary Fama****Salon D**

1. FAMA, R Neurological and Nutritional Biomarkers of Cognitive Impairment in Alcoholics
2. FRAZER, KM Assessing cognitive functioning in long-term cocaine users
3. REYNOLDS, BW Ideational Fluency, Sensation Seeking, and Anxiety: A Recipe for Binge Drinking
4. HUNTER, SJ Evidence of increased reward sensitivity in Young Black Men Who Have Sex With Men (YBMSM) who are heavy cannabis users
5. MIGLIORINI, R Exaggerated Aversive Interoceptive Processing in Adolescent Substance Users: An Early Risk Factor for Addiction?
6. SCOTT, J Adolescent and Young Adult Cannabis Users Do Not Show Declines in Neuropsychological Performance: A Two-Year Longitudinal Study

5:00–6:30 PM**Paper Session 7. Sleep****Moderator: Melissa Lamar****Salon E**

1. TSAPANOU, A Memory and Sleep Problems in the Elderly
2. FISCHER, JT Sleep Disturbances and Internalizing Behavior Problems After Pediatric Traumatic Brain Injury
3. BEEBE, DW Multi-night Sleep Restriction Increases Total Symptom Score on a Concussion Screener in Healthy Adolescents
4. VIQAR, F Sleep Quality Negatively Impacts Cognition in Older Adults with Temporal Lobe Epilepsy
5. GOSSELIN, A Impact of Obstructive Sleep Apnea on Executive Functioning in Forensic Patients with Schizophrenia-Spectrum Disorders
6. MARTINDALE, SL Sleep Quality Affects Cognitive Functioning in Returning Combat Veterans beyond Combat Exposure, PTSD, and Mild TBI History

5:00–6:30 PM**Paper Session 8. Cross Cultural****Moderator: To Be Announced****Salon F-H**

1. NA, S Disentangling Race-Related Differences on the Boston Naming Test: Contributions of Socioeconomic Status, Reading and Vocabulary on the Boston Naming Test in a Healthy College Sample
2. SHAIR, S Reliability of the CogState Brief and NIH Toolbox Cognition Batteries in African American Elders with Subjective Memory Complaints
3. PONSFORD, JL The influence of cultural factors on outcome following traumatic brain injury
4. WERRY, AE Influence of Demographic Variables on Measures of Attention and Working Memory in Older Adults of Different Races
5. FELIX, G Illiteracy and Disparities in Cognitive Decline and Alzheimer's Disease among Spanish-Speaking Older Adults
6. MEDINA, LD Hippocampal Volume is Related to Cognitive Function in Non-Hispanics but not in Hispanics in a Case-Control Matched Sample

5:15–6:30 PM**Poster Session 5. Poster Symposia, Genetics, Cross Cultural Acadia****Behavioral Neurology/Cerebral Lateralization/Callosal Studies**

1. ARMENGOL, CG Challenges in the Development of Lateralization: Implications for the Acquisition of Reading and Writing Skills
2. FRIEDRICH, T The Impact of Age on Navigation Asymmetry in Naturalistic Settings
3. HOLLAND, AK Support for the Capacity Model of Hostility Using a Dichotic Listening Paradigm: Reductions in Cerebral Laterality for Phoneme Detection Indicate Compromised Cognitive Control in High Hostile Men

Cross Cultural

4. AVILA, J Socio-Cultural Impact on Stroop-Interference Performance in Spanish-English Bilinguals
5. BANUELOS, D The relationship between verbal and nonverbal neuropsychological tests and aspects of English fluency in ethnically diverse individuals

6. FLOWERS, AT Socioeconomic Status and Neuropsychological Assessment Performance
7. KAUZOR, K Hispanic Performance on Verbal and Non-verbal Neuropsychological Tests
8. LEONG, S Exploring the Mini-Mental Status Exam in an African American Sample in a Primarily Urban Setting
9. PUENTE, AE Rural Russian and American Populations' Performance on Color Trails Test and Trail Making Test
10. SEKHON, A Cross-Cultural Differences and Acculturation Effects on WISC-IV Performance in Punjabi Children: A Pilot Study
11. STRUTT, AM Assessment of language fluency and confrontation naming in monolingual Spanish speaking older adults
12. STUART, JZ Racial Differences in the Utility of the TOPF in a Hospital Based Outpatient Clinic
13. THOMAS, S Challenges of Developing a Neurocognitive Test Protocol for a Multilingual International Trial : The SIOP Ependymoma II Program
14. TORRES, VL The Big Five Inventory (BFI) and Emotion Word Valence: Does Personality Influence the Appraisal of Emotion Words in Bilinguals?
15. VELEZ URIBE, I Testing a Predictive Model for the Appraisal of Valence of Emotion Words in Spanish-English Bilinguals
16. VINCK, K Cognitive, Academic, and Behavioral Functioning of First and Second Generation Hispanic Children in the Child Welfare System: Findings using the National Survey of Child and Adolescent Well-Being (NSCAW II)

Genetics/Genetic Disorders

17. ALEXANDER, CJ Using the Vineland Adaptive Behavior Scale to Assess Adaptive Functioning Differences Between Subtypes of Mucopolysaccharidosis I
18. CASNAR, C ASD Symptomatology and Related Variables in Children with Neurofibromatosis type 1
19. COX, SM Neuropsychological and social functioning in children with Neurofibromatosis Type 1, ADHD, and Autism Spectrum Disorder
20. FEE, RJ Underlying contribution of attention and executive functioning to cognition in individuals with dystrophinopathy
21. FRANK, J Neuropsychological Functioning of an Adult with Fanconi Anemia
22. HINTON, VJ The developmental trajectory associated with Glut 1 Deficiency Syndrome
23. LEAFFER, EB The relationship between cerebral lactic acidosis and memory performance in Mitochondrial Encephalomyopathy, Lactic Acidosis, and Stroke-like Episodes (MELAS)
24. LERNER, AL Examination of COMT Genotype on Verbal and Visual Memory Following Sports-Related Concussion
25. LUCCHETTI, A Neurocognitive Variability in Twin Adolescent Males with Williams Syndrome
26. MCCABE, KL Quantifying the Resolution of Spatial and Temporal Representation in Children With 22q11.2 Deletion Syndrome
27. MCKNIGHT, SE A Rare Case of Spinocerebellar Ataxia Type 16
28. OLIVIER, TW Systematic Desensitization in a Young Adult with Pelizaeus-Merzbacher Disease
29. TRAVERS, LV The Neuropsychological Profile of Girls and Women with Turner Syndrome Across the Lifespan
30. VEGA, C Neuropsychological Comorbidities in Tuberous Sclerosis Complex and Autism Spectrum Disorder
31. YUND, B Relations Between Parent Report of Attention and Sleep in Children with Neurofibromatosis type 1

Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Child)

32. ASARNOW, R Indicators of Recovery/Repair and Neurodegeneration After Moderate-Severe TBI Pediatric Traumatic Brain Injury: Potential Mechanisms
33. BABIKIAN, T Whole Brain MR Spectroscopic Correlates of Microstructural Abnormalities and Functional Outcomes in Pediatric Moderate/Severe TBI
34. DENNIS, E Multi-Modal Imaging in Pediatric TBI: A Longitudinal Study
35. WILDE, EA Structural Brain Alteration in Children and Adolescents after Moderate to Severe TBI
36. OLSEN, A BOLD Hyper Activation after Pediatric Moderate-Severe Traumatic Brain Injury (msTBI) is Linked to Slow Inter-Hemispheric Transfer Time as Measured with Scalp Event-Related Potential
37. LEVIN, H Reorganization of Social Information Processing After Moderate to Severe TBI in Adolescents

Cognitive Intervention/Rehabilitation

38. SANDROFF, BM Exercise and Cognition: A Multidisciplinary Approach
39. TOMPOROWSKI, P Exercise and Children's Cognition: Interpretation of Current Research
40. SANDROFF, BM Exercise and Cognition in Persons with Neurological Disorders
41. BEST, J Exercise to Promote Cognition in Older Adults: Current and Future Research to Define Exercise Type and Target Populations

Drug/Toxin-Related Disorders (Including Alcoholism)

42. THORNTON, AE Neuropsychological Aspects in Marginalized Persons with Multimorbidity
43. WILLI, T Structural Correlates of Substance-Induced Psychosis: a Comparison Between Psychostimulant Dependent Individuals With and Without Psychosis
44. WACLAWIK, K Predictors of One-Year Cognitive Decline in a Marginally Housed, Multimorbid Sample
45. GICAS, K Structural Brain Markers are Differentially Associated with Neurocognitive Profiles in Socially Marginalized Persons with Multimorbid Illness

46. O'CONNOR, TA The Impact of Traumatic Brain Injury and Aggregate Comorbidities on Cognition and Functioning in a Marginally Housed Sample
47. WANG, NY The Role of Neurocognition, Psychiatric Symptoms, and Multimorbid Illness In Predicting Everyday and Social Functioning in Marginally Housed Persons

Historical

48. MURRAY, NC Concussion: Past, Present, and Future
49. MURRAY, NC Acute Concussion Assessments: The Role of Neuropsychology
50. MCCABE, DL The Role of Psychology in Concussion Management
51. LU, W Assessing and Treating Sleep Disturbance and Fatigue after a Concussion(s)
52. STATUCKA, M Concussion: Myths and Misconceptions

Memory Functions

53. WILLIAMS, J fMRI of Hippocampal Function: Old insights from New Studies
54. OSIPOWICZ, K mTLE and Verbal Fluency
55. OSIPOWICZ, K Smelly Scenes: Role of the Hippocampus in Multisensory Integration of Memories
56. WILLIAMS, J fMRI Stimuli and Methods
57. MCWILLIAMS, K The Unique Role of Time in Autobiographical Memory Consolidation

7:00–9:00 PM

**Student Social, Hosted by the INS Student Liaison Committee
To Be Announced**

FRIDAY, FEBRUARY 3, 2017

7:20–8:50 AM

CE Workshop 9. Autism: Clinical and Translational Insights from Brain Mapping
Presenter: Rajesh Kana Bissonet

1. KANA, R Autism: Clinical and Translational Insights from Brain Mapping

7:20–8:50 AM

CE Workshop 10. Not All Aging Processes Are Created Equal: Cognitive Aging Among Culturally Diverse Groups
Presenter: April Thames Salon D

1. THAMES, A Not All Aging Processes Are Created Equal: Cognitive Aging Among Culturally Diverse Groups

8:00–9:15 AM

Poster Session 6. Adult 2
Acadia

Cancer

1. AILION, A Childhood brain tumors: A systematic review of the structural neuroimaging literature
2. AMEDORO, S Exploratory Analysis of Inductive Reasoning Abilities in a Pediatric Neurofibromatosis Type 1 Population
3. CHILD, A Significant Reading Difficulties in a Pediatric Patient with Left Thalamic Tumor: A Case Report
4. CLARK, BE Cancer Patients' Perceptions Of Their Cognitive Functioning After Treatment Is Impacted By Comments From Others
5. CONKLIN, HM Computerized Assessment of Cognitive Impairment among Children Undergoing Treatment for Medulloblastoma
6. COX, LE Psychosocial Trajectories Among Survivors of Pediatric Brain Tumors: A Growth Mixture Modeling Approach
7. DASHER, NA Effect of Types of GvHD on Patient Mood and Functional Abilities following Bone Marrow Transplant
8. ESTEVIS, E Driving Safety in Patients with Primary Brain Tumors
9. GIOIA, A Associations Between Depressive Symptoms and Neuropsychological Functioning in Pediatric Oncology Patients with Brain Tumors (BT) and Acute Lymphoblastic Leukemia (ALL)
10. HENNEGHAN, AM Executive Function and Emotional Distress Prior to Breast Cancer Treatment
11. IRISH, J The Relationship Between Executive Functioning and Adaptive and Maladaptive Behavior in Childhood Cancer Survivors
12. JACOLA, LM The Relationship between Procedural Sedation during Treatment and Neurocognitive Outcomes in Survivors of Pediatric Medulloblastoma

13. KENNEDY, T The Relationship Between Processing Speed and Working Memory in Pediatric Brain Tumor and Acute Lymphoblastic Leukemia
14. LENIHAN, J Utility of the BRIEF parent report as a screener for executive dysfunction in patients with pediatric brain tumors
15. OLSEN, E Academic Performance as Predicted by Working Memory, Processing Speed and Radiation Therapy in Pediatric Brain Tumor Survivors
16. PARSONS, M Cognitive Deficits in Older Adults with Glioblastoma (GBM)
17. PETERS, JB The Impact of Sedation for Radiation Therapy on Performance Measures and Caregiver Ratings of Attention in Survivors of Pediatric Medulloblastoma
18. RICHARD, AE Attentional Control and Math Performance in Pediatric Cancer Survivors
19. ROSEBERRY, JE Lateralized Cognitive Functioning in the Frontal Lobes: A Brain Tumor Lesion Study
20. SHARKEY, CM Suicidal Ideation and Executive Functioning in Children with Pediatric Cancer
21. TARKENTON, T School Performance in Pediatric Medulloblastoma Survivors
22. VERHAAK, A Prediction of Subjective Memory Ability and Patient Self-Report Accuracy Before Resection of High Grade Glioma
23. VICKERS, KL The Neuropsychological Impact of Androgen Deprivation Therapy: A Meta-Analytic Review
24. WALSH, KS Neuropsychological Functioning in Children with Medulloblastoma: The Impact of Post-Operative Pediatric Cerebellar Mutism Syndrome Within the First Year Following Diagnosis
25. WHITAKER, AM Bilingualism as a Potential Protective Factor Against Cognitive Late-Effects following Treatment for Childhood Acute Lymphoblastic Leukemia (ALL)
26. WITHROW, S Verbal Learning and Memory Among Prostate Cancer Patients Undergoing Androgen Deprivation Therapy
27. ZEAL, J Impact of Medical and Treatment Variables on Adaptive Functioning within Eighteen Months of Pediatric Brain Tumor Diagnosis
- Medical/Neurological Disorders/Other (Adult)**
28. BONO, AD Facial Expressivity and Depression in Parkinson's Disease (PD) with Lateralized Motor Impairment Onset
29. BONO, AD Outcomes and Predictors of the Lee Silverman Voice Treatment (LSVT LOUD) on Facial Mobility and Emotional Expressivity in Parkinson's Disease (PD)
30. BRYANT, AM Visuospatial Memory Performance in Parkinson's Disease and Essential Tremor
31. BURNS, CM Cognitive Impairment in Advanced Chronic Kidney Disease
32. DEZHKAM, N A Review and Neuropsychological Profile of Anti-NMDA-Receptor Encephalitis: A Case Study
33. DOROCIAC, KE Executive Function Moderates the Relationship between Pain Severity and Physical Quality of Life in an Outpatient Sample of Adults with Sickle Cell Disease
34. DOROCIAC, KE Neuropsychological Profile in an Outpatient Sample of Adults with Sickle Cell Disease
35. FELLOWS, RP Independent and Differential Effects of Cardiometabolic Variables on Executive and Physical Functioning in Older Adults
36. GARCIA, NE Wisconsin Card Sorting Test subscales in Parkinson's disease and Amyotrophic Lateral Sclerosis
37. GHAZI SAIDI, L Biomarkers of AD, MCI and NCS: MMSE Cortical Thickness, Volumetric and CSF
38. GHAZI SAIDI, L Striatal Binding Ratios and CSF Biomarkers of Cognition in Parkinson's disease
39. GURNANI, A Adult Man Presenting with Acute Disseminated Encephalomyelitis (ADEM): A Case Study
40. HARCIAREK, M Attentional-Intentional Brain Networks of Dialyzed Patients With End-Stage Renal Disease Are Not Entirely Normalized Following Kidney Transplant: Evidence From Event Related Potentials
41. HARCIAREK, M Disorders of The Attentional-Intentional System in Dialyzed Patients With End-Stage Renal Disease: Should We Blame Kidney Disease, Dialysis or Both?
42. HERNALZ ALONSO, C Memory Ability Predicts Anesthesia Response in Older Adults During Total Knee Arthroplasty
43. HIZEL, L Working Memory and Recall Domains of the Mini-Mental Status Examination Predict Postoperative Delirium
44. HORTON, DK Utility of Cognitive and Balance Measures in Predicting Ventriculoperitoneal Shunting Recommendation in Normal Pressure Hydrocephalus
45. KEATING, L The Effect of Pre-ICU Depression on Cognition and Emotional Functioning After Critical Illness
46. KURNIADI, N Neurocognitive Profiles of Individuals Remitted from Eating Disorders
47. MAHONEY, JJ Referring Providers' Preferences and Satisfaction with Neuropsychological Services
48. MANKOWSKA, A Leftward Bias of Visual Attention in Patients With End-Stage Renal Disease Receiving Dialysis: a Neglected Phenomenon
49. PATERSON, TS Modelling Medication Adherence in Renal Transplant Recipients: Cognitive and Psychosocial Impacts
50. PIERS, RJ Atrial Fibrillation and Cognitive Decline: the Framingham Heart Study
51. QUASNEY, EE The Impact of Balance Disturbance on an Auditory Sustained Attention Task
52. SEMERJIAN, C Repeatable Battery for the Assessment of Neuropsychological Status (RBANS): Cognitive Profile of Adult Patients with Chiari Malformation Type 1
53. STEED, D Cognitive Improvements Persist Post Left Ventricular Assist Device Placement
54. STELMOKAS, J The Influence of Cognitive Status and Depression on Duration of Hospital Stay in Post-Acute Rehabilitation
55. VENEZIA, R Opioid Dosage in Critically Ill ICU Patients is Associated with Attention Deficits, but not Memory Deficits, at Follow-up
56. WALKER, KA Neuroimaging findings and cognitive functioning in patients with sepsis-associated encephalopathy

57. WARNER, E Speed of Clock Drawing is Reduced After Orthopaedic Surgery in Older Adults
58. YEE, MK Diagnostic Criteria for Gulf War Veterans Illness: CDC Versus Kansas Criteria
- Multiple Sclerosis/ALS/Demyelinating Disorders**
59. CADDEN, M Acute and Chronic Pain and Cognitive Functioning in Multiple Sclerosis
60. CALVO, D Can one week of moderate intensity aquatic exercise improve cognition and fitness in MS?
61. CARLEW, AR Occupational Attainment as a Proxy of Cognitive Reserve in Patients with Multiple Sclerosis
62. COSTA, SL Understanding difference between the California Verbal Learning Test (CVLT) and Selective Reminding Test (SRT)
63. DUNCANSON, H Pilot study of an internet based self-guided mindfulness program for individuals with Multiple Sclerosis
64. GENOVA, HM Cognitive Reserve Protects Against Social Cognition Impairments in Multiple Sclerosis
65. COVEROVER, Y Exploring Money Management in Persons with MS: A Pilot Study
66. LENGENFELDER, J Remediation of Facial Affect Deficits in Multiple Sclerosis: A Pilot Study
67. MORDECAL, K Computerized Cognitive Training for Veterans with Multiple Sclerosis
68. NICCOLAI, L Medical Decision-Making Capacity and its Cognitive Predictors in Multiple Sclerosis
69. NUNAN-SAAH, J The Impact of Emotional and Psychosocial Factors on Executive Functioning in Pediatric Multiple Sclerosis
70. PITTERI, M Facial Affect Recognition Deficits In Early Multiple Sclerosis Patients Without Cognitive Dysfunction
71. RAPHAEL, A Cognitive Correlates of Driving Using a Virtual Reality Driving Simulator in Individuals With Multiple Sclerosis
72. SACCÀ, F The EDSS integration with the Brief International Cognitive Assessment for Multiple Sclerosis and Orientation Tests
73. SANDRY, J Evaluating a Consolidation and Interference Hypothesis in Multiple Sclerosis
74. STROBER, L Cognitive health in multiple sclerosis (MS): Impact on fatigue, sleep, well-being, and overall quality of life
- Stroke/Vascular Cognitive Impairment**
75. ARMSTRONG, G Quick and Easy: Confirming the Utility of the PHQ-9 in a Stroke Population
76. CHAPMAN, S Reality monitoring in unawareness of memory deficits
77. DEV, SI Intra-individual variability in processing speed is related to systolic blood pressure in bipolar disorder
78. DILORENZO, MC Preschool Executive Functioning Abilities Predict Later Academic Achievement in Children with Arterial Ischemic Stroke
79. DULAY, M Predictors of Cognitive Impairment After Cerebrovascular Accident (CVA)
80. FEDOR, A Is step-count in exoskeleton-assisted locomotor training associated with cognitive functioning after stroke?
81. FERLAND, T Association of Metabolic Syndrome with Cognitive Function in Adults
82. FONG, MW Neuroanatomic and Neuropsychological Correlates of Post Stroke Functional Status
83. K THIRUSELVAM, I Anterograde Amnesia for Explicit and Implicit Information in a Case of Bilateral Hippocampal Stroke
84. LEITNER, D Neuropsychological Evaluation Following Subsequent Bilateral Thalamic Infarct - A Case Study
85. MOORE, MJ Dissociations Between Visual Neglect and Neglect Dyslexia

9:00–10:30 AM

- Invited Symposium 3. Advances in Pediatric Mild TBI: Toward a Neurobiopsychosocial Model**
Chair: Keith O. Yeates
Discussant: H. Gerry Taylor
Carondelet
1. YEATES, KO Advances in Pediatric Mild TBI: Toward a Neurobiopsychosocial Model
2. PTITO, A Neuroimaging as a Diagnostic and Prognostic Tool in Pediatric Concussion
3. YEATES, KO Neuropsychological testing as an outcome and predictor in pediatric mild traumatic brain injury
4. ANDERSON, VA Psychosocial Predictors of and Influences on Outcomes of Pediatric Concussion
5. KIRKWOOD, M Neuropsychological Assessment as an Intervention Model in Pediatric Concussion
6. TAYLOR, H Discussion of Issues and Future Directions

9:00–10:30 AM

- Symposium 5. Interdisciplinary Approaches to Understanding Post-Operative Cognitive Complications in Older Adults**
Chair: Catherine C. Price
Discussant: Steve DeKosky
Bissonet
1. PRICE, CC Interdisciplinary Approaches for Understanding Post Operative Cognitive Complications in Older Adults
2. GIOVANNETTI, T Baseline Cognitive Function is Significantly Associated with Postoperative Death and Stroke in Aged Adults Following Aortic Valve Replacement

3. BROWNDYKE, J Postoperative Resting-state and Task-based Functional Connectivity Changes and Cognition Following Cardiac Surgery
4. PRICE, CC The Challenge and Promise of Pre-Surgical Cognitive Profiles
5. FLOYD, TF The Hypoxia Inducible Factor and Aging-Related Postoperative Cognitive Dysfunction

9:00–10:30 AM**Symposium 6. Neuropsychology and Technologies: Taking the lead on new opportunities for understanding brain-behavior relationships****Chair: Maria T. Schultheis****Salon D**

1. SCHULTHEIS, MT Neuropsychology and Technologies: Taking the lead on new opportunities for understanding brain-behavior relationships
2. VICKERS, KL Testing the Limits: Using VR to Quantify the Impact of ABI on Driving
3. TESSIER, J Subjective and Objective Measurement of Distress During VR Driving in Veterans with PTSD
4. VAKIL, E Direct and indirect measures of context in older versus young adult: The additive contribution of eye tracking
5. YUAN, J HbO₂ Variability During Single- and Dual-Task Gait in Older Adults

9:00–10:30 AM**Paper Session 9. Epilepsy****Moderator: Joseph I. Tracy****Salon E**

1. TRACY, JI Functional Connectivity in Epilepsy
2. MARRA, DE Cognitive Reserve Predicts Post-Operative Cognitive Outcomes in an Epilepsy Population
3. OSIPOWICZ, K Normative Anticorrelation Inhibits Seizure Generalization in Mesial Temporal Lobe Epilepsy
4. SCHRAEGLE, W Hippocampal Sclerosis is a Risk Factor for Depression Features in Youth with Temporal Lobe Epilepsy
5. BREWSTER, RC White Matter Correlates of Verbal Memory in Left Temporal Lobe Epilepsy: A Study of Structural Connectivity
6. SPAT, J Healthcare Disparities and Cognitive Performance Among Minority Patients with Epilepsy

9:00–10:30 AM**Paper Session 10. Medical / Infectious Disease****Moderator: Marc Norman****Salon F-H**

1. SHEPPARD, DP A Comparison of the Sensitivity, Reliability, and Stability of Three Diagnostic Criteria for HIV-Associated Neurocognitive Disorders
2. KUHN, T Accelerated Brain Aging and Cognitive Decline in HIV
3. LOJEK, E Neurocognitive and Brain Functions in Highly Functioning and Successfully Treated Young HIV Seropositive Men
4. HARCIAREK, M Allocation of Spatially Directed Focal Attention in Patients With End-Stage Renal Disease Receiving Dialysis: Attentive But Too Engaged
5. EVANS, J Balancing the Demands of Two Tasks: An Investigation of Cognitive-Motor Dual-Tasking in Relapsing Remitting Multiple Sclerosis.
6. BOWLER, RM Neuropsychological Test Performance in Relation to MRI Manganese Deposition in the Brain

9:30–10:45 AM**Poster Session 7. Neuropsychiatry****Acadia****Drug/Toxin-Related Disorders (Including Alcoholism)**

1. COLEMAN, L Prenatal Opioid Abuse (POA) Causes Children's Learning/Attentional Problems
2. GILBART, E Marijuana Use, Aerobic Fitness, Mood, and Disinhibition in Emerging Adults
3. JENNETTE, K The Relationship Between Marijuana Use, Inhibitory Control, and Learning Strategy in Adolescents and Young Adults
4. KIM, M Deficits of decision-making in college students who participate in binge drinking
5. KOHEN, C The Neurocognitive Effects of Changing Hazardous Drinking Behaviors in Adolescents and Young Adults
6. MAPLE, KE Anterior Cingulate Volume Reductions in Adolescent and Emerging Adult Cannabis Users: Association with Affective Processing Deficits
7. MCDONNELL, M Changes in Cognitive Functioning in Patients Receiving Intensive Outpatient Treatment for Alcohol Abuse
8. MORGAN, EE Higher Levels of Emotion Dysregulation in Methamphetamine Users Compared to Non-Users Relates to Neurobehavioral Deficits and Craving
9. MULHAUSER, K Changes in Cognition Over the Course of Residential Treatment for Alcohol Use Disorder
10. PACHECO-COLON, IM The Association Between Cannabis Use and Motivation Among Adolescents

11. PRITCHETT, A Effects of Prenatal Cannabis and Tobacco Exposure on Birth Outcome and Temperament
 12. SULLIVAN, E Assessing Impulsivity in Cocaine Users Utilizing Hot and Cool Measures of Executive Functioning
- Emotional Processes**
13. ALKOZEI, A Emotional Intelligence Can Be trained via an Online Training Program and is Associated with Better Performance on the IGT
 14. ANDERSON, S Depression Influence on Executive Functioning and Processing Speed after accounting for Cerebrovascular Risk in Non-Demented Older Adults
 15. BEZDEK, M Does Emotion Recognition Ability Predict Neural Responses of Empathic Happiness?
 16. DULAY, M Emotion Affects Decision Making and Reasoning After Cerebrovascular Accident (CVA)
 17. FIGUEROA, P Self-Perception of Compassion in Individuals with Agenesis of the Corpus Callosum
 18. HALLOWELL, ES The Effect of Severity of Cigarette Smoking and Early Life Adversity on Current Affect
 19. KAIS, LA Inhibition and Shifting Processes Influence the Relation Between Savoring Beliefs and Positive Affect
 20. KARSTENS, A Brain-Behavior Profiles Distinguishing Psychological Resilience from Depression After Trauma in an Urban Dwelling Sample of Adults: The Possible Role of Rumination
 21. LIU, H Relationships Between Emotion Regulation and Executive Functions
 22. MAHMOOD, Z Neural Correlates of Coping and Perseverance
 23. MATHER, M Associations Between Alexithymia and Emotion Dysregulation
 24. NG, R Associations Between Memory Functioning and Internalizing Symptomatology in Children Exposed to Chronic Maternal Depression
 25. REIFE, I Self-Efficacy as a Moderator for the Relationship Between Theory of Mind and Social Problem Solving
 26. RENSBERGER, J Cortisol, DHEA, and Heart Rate Variability in Army National Guard Special Forces
 27. SCAVONE, A The Influence of Alexithymia and Mindfulness on Perceived Social Support
 28. TAIWO, Z The Role of Executive Function in Empathic Processing of Positive versus Negative Emotions
 29. TOCCHINI, S Emotional recognition: which are differences in the same perceptual modality?
 30. TWAITE, JT Examining Relationships between Basic Emotion Perception and Musical Training in the Prosodic, Facial, and Lexical Channels of Communication and in Music
 31. VAN MEURS, B Sex Differences in Avoidance Behavior and Associated Neural Correlates
 32. ZUCCATO, BG The Role of Emotion Regulation in the Relation Between Social Integration and Stress: A Pilot Study
- Forensic Neuropsychology**
33. BENDER, S A Forensic Case Study Involving Unequivocal Severe Brain Injury and Unequivocal Response Bias
 34. BUESO-IZQUIERDO, N Impulsivity and external versus internal attributions in male batterers of intimate partner violence
 35. DOMBROWSKI, CV Validity Performance in an Anxious Undergraduate Sample
 36. ERDODI, LA Gender and Lateral Dominance Influences Likelihood of Failure on Performance Validity Tests
 37. ERDODI, LA The Stroop Test as a Measure of Performance Validity in Adults Clinically Referred for Neuropsychological Assessment
 38. FARRER, TJ Fail Rate of Performance Validity Tests in Academic Accommodation Seeking College Students: The Role of Diagnosis on Effort Measurement
 39. FIELDS, KN Predicting Juvenile Recidivism with the Wechsler Index Scores and Personality Assessment Inventory Scores: The Role of Intraindividual Variability
 40. FOX, J Neuropsychological Profile and Descriptive Classifications of Mass Murderers
 41. LADUKE, C The Neuropsychological Assessment of Justice-Involved Men: A Case for Group-Specific Norms
 42. MARTIN, P Excessive Decline from Premorbid Functioning (EDPF): Assessing Performance Validity with the WAIS-IV and TOPF
 43. SWIFT, TJ Detecting Simulated Memory Malingering with Eye-Tracking technology
 44. TRAHAN, DE False Positive Rates for Reliable Digit Span in Individuals with Alzheimer's Disease or Other Dementias
 45. TRAHAN, DE Specificity of the CVMT Symptom Validity Scale in Adults with Alzheimer's Disease or Other Dementias
 46. WHITESIDE, D Logistically Derived Embedded Performance Validity Measures Using Tests of Executive Functioning in a Mild Traumatic Brain Injury Sample
- Psychopathology/Neuropsychiatry (Including Schizophrenia)**
47. AASE, DM PTSD Severity Predicts Working Memory Performance in OEF/OIF/OND Veterans
 48. ANGERS, K Cognitive performance over five years among individuals with bipolar disorder and unaffected controls using latent growth modeling
 49. BABIONE, JM PTSD Symptom Severity Predicts Verbal Encoding and Retrieval in Combat-Exposed OEF/OIF/OND Veterans
 50. BABU, P Impact of gender and history of childhood trauma on cognitive functioning in patients with bipolar disorder
 51. BASSO, MR Inpatient Depressives' Responses to Reward and Punishment Correlate with Distinct Facets of Executive Function
 52. BESSETTE, KL Comorbid Depression and Anxiety Has Greater Top-Down and Bottom-Up Neural Emotional Processing than Depression Alone in the Remitted State

53. BOBHOLZ, SA Pallidal hypertrophy as a putative neural compensatory response to schizophrenia: Findings in first-episode schizophrenia
54. BOUCHARD, A Anticholinergic Drug Burden Predicts Levels of Community Functioning in Outpatients With Serious Mental Illness
55. BURTON, CZ Cognition in Bipolar Disorder With and Without Psychosis
56. CAIRNCROSS, M Insight Into Neurocognitive Functioning in Psychiatric Illness: A Comparison of Self-Report, Case Manager Report, and Objective Neuropsychological Test Data
57. CERNY, BM Convergence between scores on the BIS-11 and measures of executive function in individuals with remitted major depression
58. CLARK, SV Clinical and Cognitive Insight in Youth at Ultra High-Risk of Psychosis: Relationships with Cognition, Symptoms, and Default Mode Connectivity
59. COMBS, T Working Memory Impairments in Schizophrenia: Single Item Maintenance is Compromised Following Intact Updating
60. CRAWFORD, JL Effects of Demographic Characteristics on Cognitive Test Performance in Schizophrenia versus Bipolar Disorder
61. DELDONNO, SR The Influence of Childhood Trauma and Affective Personality Traits on Neural Correlates of Reward Anticipation
62. EASTER, RE Clinical predictors of decline in cognitive functioning in bipolar disorder
63. EYLER, LT Accelerated Brain Aging in Bipolar Disorder
64. FORTE, M Mechanisms of Cognitive Disturbance in Schizophrenia
65. GRIMES, KM The Development of Subsyndromal Positive Symptomatology: Neurocognitive Performance and Cognitive Biases in Young Adults with Schizotypal Traits
66. HAISLEY, LD Neuropsychological Assessment to Predict Risk for Physical Restraint and Seclusion on Children's Psychiatric Inpatient Unit
67. HUBER, RS Relationship of Executive Functioning Deficits to N-acetyl Aspartate (NAA) and Gamma-aminobutyric Acid (GABA) in Youth with Bipolar Disorder
68. HUNT, IJ Cognitive control disruption and quality of life in individuals with obsessive-compulsive disorder
69. HWANG, S Associations between depression severity and neurocognitive functions in adult patients with major depressive disorder
70. KARPOUZIAN, T Eye Movement Biomarkers of High vs. Low dose Lurasidone on Prefrontal Abilities in Treatment-Resistant Schizophrenia
71. KEILP, JG Independent Contribution of Neurocognitive Dysfunction to the Risk for Suicidal Behavior in the Context of Other Clinical Predictors
72. KLING, LR Cluster Analysis-Defined Symptom Subtypes in remitted Major Depressive Disorder
73. LAI, JK Subjective and Objective Measures of Impulsivity: Relations with Clinical Symptom Severity and Psychosocial Functioning Among Military Veterans with Alcohol Use Disorder and Posttraumatic Stress Disorder
74. LUU, H Long-Term Cognitive Functioning in Post-Electroconvulsive Therapy (ECT) Patients
75. MILLER, M Optical Coherence Tomography of the Retina in Schizophrenia: Relationships with Perceptual Function
76. MILLER, ML Depression, Anxiety, and Quality of Life in Individuals who have undergone Electroconvulsive Therapy
77. NGUYEN, TT Relationship Between Short-term Intra-individual Variability in Affective Symptoms and Cognitive Performance in Bipolar Disorder
78. OSBORN, A An Exploratory Analysis of PTSD Symptomatology, Gender, Working Memory, and Attention in OIF/OEF/OND Veterans
79. PARK, M Cut-off scores of the Schizotypal Personality Questionnaire for screening of high-risk psychosis
80. SHURA, RD Evaluating the Motor Slowing Hypothesis of Depression
81. SILVA, GR Verbal Executive Dysfunction in Posttraumatic Stress Disorder: The Role of Clinical Symptoms in Process-Specific Executive Deficits
82. SWIFT, A How Time Flies: The Perception, Perspective and Experience of Time in Bipolar Affective Disorder
83. TORRES, I Metamemory Monitoring in Bipolar Disorder
84. WILSON, C Association of Neurocognition and Psychosis-Risk Symptoms
85. ZOLLIECOFFER, CJ The Impact of Disease on the Contribution of Demographic Characteristics to Cognitive Test Performance

10:30–10:45 AM

**AM Coffee Break
Acadia Ballroom**

11:00 AM–12:00 PM

**Plenary E. Behavioral Clusters and Brain Network Mechanisms of Impairment and Recovery
Presenter: Maurizio Corbetta
Carondelet**

1. CORBETTA, M

Behavioral Clusters and Brain Network Mechanisms of Impairment and Recovery

12:00–1:00 PM

Lunch (On Own)
Conference-Wide

1:00–2:00 PM

Benton / Mid-Career Awardee Presentation: Subtle Brain-Behavior Biomarkers of Modifiable Cardiovascular Disease Risk Factors: Implications for Minority Health Disparities, Aging and Dementia
Award Recipient: Melissa Lamar
Salon F-H

1. LAMAR, M

Subtle Brain-Behavior Biomarkers of Modifiable Cardiovascular Disease Risk Factors: Implications for Minority Health Disparities, Aging and Dementia

1:00–2:30 PM

Invited Symposium 4. A Summit on Cognitive Rehabilitation: Mapping the Past, Defining the Present and Imagining the Future
Chair: Anthony Y. Stringer
Carondelet

1. STRINGER, AY

A Summit on Cognitive Rehabilitation: Mapping the Past, Defining the Present and Imagining the Future

2. WILSON, BA

The History of Cognitive Rehabilitation

3. CICERONE, KD

The Present Status of Cognitive Rehabilitation

4. STRINGER, AY

The Future of Cognitive Rehabilitation

1:00–2:30 PM

Panel Discussion, Presented by the INS Student Liaison Committee: International Cross-Cultural Considerations in Research
Presenters: Anita Sim, Jonathan Evans, Tedd Judd, Robert K. Heaton
Salon A-C

1:00–2:30 PM

Symposium 7. Locus Coeruleus-Norepinephrine System, Cognitive Effort, and Early Risk for Alzheimer's Disease
Chair: William S. Kremen
Discussant: Mark W. Bondi
Bissonet

1. KREMEN, WS

Locus Coeruleus-Norepinephrine System, Cognitive Effort, and Early Risk for Alzheimer's Disease

2. KREMEN, WS

Task-Evoked Pupil Response: A Novel Biomarker of Locus Coeruleus Dysfunction Indicating Early Risk for MCI and Alzheimer's Disease

3. SANDERSON-CIMINO, M

The Relationship Between Locus Coeruleus Integrity and Biomarkers of Alzheimer's Disease: A Magnetic Resonance Imaging Pilot Study

4. JEREMY, E

Convergent Evidence of Pupillary Response as an Early Indicator of Locus Coeruleus Dysfunction and Risk for Mild Cognitive Impairment

5. MATHER, M

Locus Coeruleus Neuromelanin MRI Contrast Correlates With Cognitive and Cardiovascular Factors

1:00–2:30 PM

Symposium 8. Clinical Applications of Functional Neuroimaging for Presurgical Functional Mapping: The Past, Present, and Future Roles for Neuropsychologists
Chair: Christen M. Holder
Discussant: Andrew Papanicolaou
Salon D

1. HOLDER, CM

Clinical Applications of Functional Neuroimaging for Presurgical Functional Mapping: The Past, Present, and Future Roles for Neuropsychologists

2. SHAY, N

The Traditional Use of Invasive Procedures for Determining Localization and Lateralization

3. REZAIE, R

Non-Invasive Procedures as the Future of Functional Mapping

4. HOLDER, CM

Outcomes of Non-Invasive Presurgical Planning

1:00–2:30 PM

Paper Session 11. Mental Illness
Moderator: Derin J. Cobia
Salon E

1. FORD, AI

History of Depression: From Possession to Organic Brain Disorder

2. WEBER, E

The Relationship between Depression and Executive Functioning in Child Inpatient Outcomes and Neuropsychological Deficits

3. KEILP, JG

Familial Transmission of Neurocognitive Deficits Associated with Suicidal Behavior Risk

4. STEFFEN-ALLEN, F Increased Delta as a Compensatory Mechanism During Working Memory in High-Performing Patients with Schizophrenia

1:30–2:45 PM**Poster Session 8. Aging & Dementia 2
Acadia****Dementia (Alzheimer's Disease)**

1. AGHJAYAN, SL Consistent Report of Subjective Cognitive Decline Longitudinally is Associated With Amyloid Burden
2. ALLISON, S Alzheimer Disease Biomarkers and Driving Space in Clinically Normal Older Adults: Role of Spatial Navigation Abilities
3. ALVERSON, WA Longitudinal Cognitive Asymmetry and Decline in Alzheimer's Disease Patients
4. AZAR, M Quality of Life in an Ethnically Heterogeneous Community-Based Cohort of Patients with AD
5. BAENA, AY Neuroticism is Associated With Tau Accumulation in Preclinical Autosomal Dominant Alzheimer's Disease
6. BAGGER, JE The Effect of Generation Gap on Informant Ratings using the IQCODE
7. CAHN-WEINER, D Cognitive Components of Everyday Functioning in Alzheimer's disease and Lewy Body Dementia
8. CERBONE, B The Benefits of Phonemic Cueing in Alzheimer's Disease Patients' Naming Performance
9. CHILDS, KN Verbal Fluency Discrepancies: Are They Pathognomonic Indicators of Alzheimer's Type Dementia?
10. CLARK, LR Relationship Between MRI Measures of Cerebral Arterial Flow and Perfusion in Asymptomatic Adults At-Risk for Alzheimer's Disease and Older Adults with Cognitive Impairment
11. CLEM, M Factor Structure of the 15-Item Geriatric Depression Scale and Predicting Progression to Alzheimer's Disease
12. COLVIN, LE Mood and Personality Characteristics Influence Metamemory Accuracy in Healthy Older Adults
13. CONTRASTANO, CM The Relationship Among the Judgment of Line Orientation Test, Spatial Abilities, and Executive Functioning
14. DALCHAND, E Early Parental Death and Sibship Size: Investigating the Causal Relationship to Alzheimer's Disease in a Multiethnic Cohort
15. DEFEIS, BL Neurocognitive correlates of psychotic symptoms in a community-based cohort of Mild Cognitive Impairment and Alzheimer's Disease
16. EMMERT, NA Using the RBANS, Premorbid Intelligence, and Educational Attainment to Classify Dementia Patients as Normal or Impaired on the ILS Health and Safety Scale
17. FARIAS, S Compensation Strategy Use Among Older Adults: Association with Diagnostic Status, Neuropsychological Function, and Everyday Function
18. GIGUÈRE-RANCOURT, A Nutritional Supplementation in Prevention and Treatment of Cognitive Impairments Associated with Alzheimer's disease
19. HACKETT, K NIH Toolbox Cognition Battery and PROMIS Measures for Detecting Preclinical Alzheimer's Disease
20. HAMMERS, DB Amyloid Positivity using [¹⁸F]Flutemetamol-PET and Cognitive Deficits in Non-Demented Community-Dwelling Older Adults
21. HARMELL, AL Neuropsychiatric and Cardiovascular Predictors of Alzheimer's disease
22. JACOBSON, AJ Deep Gray Matter Correlates of Symptoms on the Frontal System Behavior Scale in Behavioral Variant Dementia and Early-Onset Alzheimer's Disease
23. KAY, CD Are Measures of Intraindividual Variability Sensitive to the Preclinical Stage of Alzheimer's Disease in Elders at Genetic Risk?
24. KEMP, E Sleep Disturbance and Risk of Cognitive Decline in the ADNI Cohort
25. KIELY, T The Contribution of Neuropsychological Performance, Behavioral and Functional Measures in High- & Low-likelihood Alzheimer's Disease Profiles
26. LAST, BS Sibling history of dementia is associated with cortical thickness in older adults
27. LEE, Y Neuropsychological Correlates of Apathy in Cognitively Healthy Middle-Aged Individuals at Risk for Alzheimer's Disease
28. LEE, Y The Relationship Between Apathy and MMSE in Cognitively Healthy Middle-Aged Individuals at Risk for Alzheimer's Disease
29. LIU, S Cognition, Neuropsychiatric Symptoms and Everyday Functioning in Latino Older Adults
30. LOWE, DA Are Changes in Metacognition the First Sign of Prodromal Alzheimer's?
31. LOWE, DA Sex Differences in Cognitive Dysfunction Due to Alzheimer's Disease
32. MAPSTONE, M Non Standardized Plasma Collection and Handling Procedures Represent Significant Challenges for Blood Based Metabolomic Biomarkers of Alzheimer's Disease
33. MARTINEZ, MN Marital Status and Dementia Risk among Ethnically Diverse Older Adults
34. MASEY, A Moderating Effects of Cognitive Reserve on Primacy Recall and Alzheimer's Disease Pathology
35. MEINERDING, ME Correlates of Dependency in a Community Cohort of Individuals with Alzheimer's Disease
36. MILLER, JB Sensitivity of the Montreal Cognitive Assessment Memory Scores to Hippocampal Volume in a Neurodegenerative Disease Sample
37. MINOR, A Family history and subjective cognitive decline in non-demented older adults
38. MOORE, C Diagnostic Accuracy of Pathologically Confirmed Alzheimer's Disease in the NACC UDS: Computational Classification Using Psychometric Measures
39. NELSON, NW Relative predictive values of the MMSE and ADAS-Cog for dementia stage and daily function in Alzheimer's disease

40. OLESON, S Dietary polyunsaturated fat and cerebral glutamate: interaction with Apolipoprotein E genotype
41. OLIVEIRA, AA Neuropsychological performance differences between two groups of probable-AD patients from different areas of Brazil
42. OSBORN, KE Adverse Vascular Risk Relates to CSF Biomarker Evidence of Axonal Injury Among Amyloid Positive Older Adults
43. PASE, MP Sugary Beverage Intake and Preclinical Alzheimer's Disease in the Community
44. PIERS, RJ How Much Risk is Genetic Risk for Dementia? Framingham Offspring Study
45. PILLEMER, S Gender Differences in Factors of Burden and Depression Among Dementia Caregivers
46. RAHMAN-FILIPIAK, AA The Anticipatory Dementia Inventory (ADI): An application of the Health Belief Model to fear of dementia in middle- and older-aged adults
47. ROBBINS, J The Clinical Utility of the Neurobehavioral Examination in Alzheimer's Disease
48. RODRIGUEZ, IG The Impact of Cardiovascular Risk Factors (CVRFs) on Neurocognitive Performance in Mild Cognitive Impairment (MCI) and Alzheimer's Disease (AD)
49. ROLL, E Semantic Knowledge and Everyday Function in People with Dementia
50. SHOUEL, HL Independent Associations Between Objective Versus Subjective Social Support and Cognition in a Racially Diverse Cohort
51. SUNDERMANN, EE Does the Female Advantage in Verbal Memory Mask Alzheimer's Disease Pathology?
52. VENKATESAN, UM What Drives Driving: Differences in the Relationship of Visual Search and Sensory Binding to Driving Performance between Healthy Aging and Alzheimer's Disease
53. VILA-CASTELAR, C Long-term cognitive effects of Donepezil treatment in patients with Alzheimer's disease: The role of attention.
54. WAGNER, G Pilot Study Examining the Neuropsychological Profiles of Dementia with Lewy Body and Alzheimer's Disease
55. WATSON, CW Racial Discrimination is Associated with Cortical Thinning in Alzheimer's Disease Signature Regions in African American Older Adults
56. WEISSBERGER, G Diagnostic accuracy of memory measures in Alzheimer's dementia and Mild Cognitive Impairment: A systematic review
57. CAVACO, S Higher levels of CSF phosphorylated tau correlate with younger age and poorer memory in Alzheimer's disease
58. ROGERS, S Clarifying the Types of Memory Deficits in Alzheimer's Disease
- Movement and Movement Disorders**
59. ROGERS, S Examining the Effects of Anxiety on Cognition Among Those with Parkinson's Disease
60. CAVACO, S Criterion validity of UPDRS-I in the detection of cognitive impairment in Parkinson's disease
61. ALAMEDDINE, LR Depression Does Not Impact Verbal Fluency in Individuals with Early-Stage Tremor-Dominant Parkinson's Disease
62. APPLEMAN, ER Using Multigenerational Longitudinal Research to Examine for Cognitive Differences Pre-Diagnosis in Parkinson's Disease
63. CROWLEY, SJ Contribution of Cortical White Matter to Motor Sequence Learning in Parkinson's Disease
64. DEVITO, AN Neuropsychological Outcomes of a Combined CBT and Executive Skills Training Intervention for Anxious Parkinson's Patients
65. DHIMA, K Hyperlipidemia in Parkinson's Disease: Protective Against Cognitive Decline?
66. ELLIS, S A Study Designed to Examine the Feasibility of a Randomized Single-Blind Cross-Over Trial That Will Assess the Effects of the Second Generation Dopamine Agonists, Pramipexole Prolonged Release and Ropinirole Modified Release, on Cued Recall Memory in Idiopathic Mild or Moderate Parkinson's Disease Without Cognitive Impairment.
67. FEE, RJ Poor recognition memory in Parkinson's disease may indicate the comorbidity of Alzheimer's disease
68. HARRISON, CE Specifying the Nonverbal Memory Impairments that Characterize Parkinson's Disease
69. HENDERSHOTT, T Predictive Validity of the Mini Mental State Examination, Montreal Cognitive Assessment, and Mattis Dementia Rating Scale-2 in Parkinson's Disease
70. HERGERT, DC Awareness in Huntington's Disease
71. LAFO, JA Construct Validity of the University of Florida DBS Cognitive Rating Scale: What cues neuropsychology to raise a red flag for DBS candidacy?
72. LOPEZ, FV Does the Geriatric Depression Scale Measure Depression in Parkinson's Disease?
73. MCINERNEY, KF Does Exposure to Toxins Influence Cognition in Parkinson's Disease
74. MOFFETT, K Corticobasal Syndrome: A Unique Neuropsychological Profile Involving Unilateral Left Ideomotor Apraxia
75. PLUIM, CF Changes in Self- and Caregiver-Reported Frontal Behaviors in Parkinson's Disease: A Longitudinal Study
76. ROHL, B Sleepiness Across the Cognitive Spectrum in Essential Tremor
77. ROTHLIND, JC Predictors of Multi-Domain Cognitive Decline following Deep Brain Stimulation Surgery for Treatment of Parkinson's Disease
78. SALAZAR, R Parkinson's Disease Affects Category Switching
79. SALAZAR, R Predictors of Self-Perceived Stigma in Parkinson's Disease
80. SALAZAR, R Social Support Mediates the Relation between Depression and Motor Limitations of Parkinson's Disease
81. SCOTT, BM Emotion-semantic priming and electrocortical reactivity in Parkinson's disease

82. SEGALÀ, L The Role of Hypertension on Cognition in Parkinson's Disease
83. SPAT, J Neuropsychological Assessment Evaluating Candidacy for Deep Brain Stimulation in Children with Pharmacologic-Resistant Movement Disorders: A Case Series
84. SPLIT, M Rapid Eye Movement Sleep Behavior Disorder and Daytime Sleepiness are related to Poor Attention and Executive Function in Parkinson's disease
85. STIVER, J Cognitive and Motor Correlates of Depressive Symptoms in Parkinson's Disease
86. SUN-SUSLOW, N The Role of Social Support on Cognitive Functioning after Deep Brain Stimulation in Parkinson's disease
87. SZYMKOWICZ, SM Symptom Dimensions of Depression and Apathy and their Relationship with Cognition in Parkinson's Disease
88. TAYLOR, BP CVLT-II Performance in Huntington's Disease and Parkinson's Disease
89. TRAN, B Neuropsychological Predictors of Functional Decline in Non-demented Parkinson's Disease
90. VAN ET TEN, EJ Recall and Recognition Discriminability in Parkinson's Disease and Huntington's Disease
91. VANDEBUNTE, AM The Effect of Depression on the Cognition of those with Parkinson's Disease
92. WERTHEIMER, J Cognition and Parkinson's Disease: The Patient's Perspective
93. WIGGINS, ME Category Fluency Association Index is Sensitive to Temporal Lobe Atrophy in Parkinson's Disease
94. WYMAN-CHICK, KA Neuropsychological Test Performance in Parkinsonism Without Dopaminergic Deficiency on [123I]-FP-CIT SPECT Imaging
95. YAFFE, B The Relationship of Motor Dysfunction and Memory Recognition Deficit in Parkinson's Disease
96. ZANE, KL Cognitive Slowing and Motor Slowing in Parkinson's Disease

2:30–3:00 PM**PM Coffee Break
Acadia Ballroom****3:00–4:00 PM****Plenary F. Contributions to Understanding the Dynamic Course of Alcoholism: An INS Legacy
Presenter: Edith V. Sullivan
Carondelet**

1. SULLIVAN, EV Contributions to Understanding the Dynamic Course of Alcoholism: An INS Legacy

4:00–5:30 PM**Invited Symposium 5. The Next Generation: A Look at Cohort Studies of People at Risk for Alzheimer's Disease
Chair: Sterling C. Johnson
Carondelet**

1. JOHNSON, SC The Next Generation: A Look at Cohort Studies of People at Risk for Alzheimer's Disease
2. BARRY-TANNER, T Will I Be Next?
3. JOHNSON, SC The Wisconsin Registry for Alzheimer's Prevention (WRAP)
4. HASSENSTAB, J Correlating Rates of Change Between Cognition and Biomarkers in Middle Aged Adults at Risk for Alzheimer's Disease: The Adult Children Study
5. SOLDAN, A Hypothetical Preclinical Alzheimer Disease Groups and Longitudinal Cognitive Change
6. MANLY, JJ Offspring Study of Mechanisms for Racial Disparities in Alzheimer's Disease
7. JEFFERSON, AL The Vanderbilt Memory & Aging Project: Study Design, Findings, and Future Directions

4:00–5:30 PM**Symposium 9. Depression in Clinical Conditions: Impact on Behavior, Neural Mechanisms and Quality of Life
Chair: Ekaterina Dobryakova
Bissonet**

1. DOBRYAKOVA, E Depression in Clinical Conditions: Assessment, Impact on Behavior, Neural Mechanisms and Quality of Life
2. DOBRYAKOVA, E Depressive Symptomatology Modulates Cortico-Striatal Activation During Feedback Presentation in Individuals with Traumatic Brain Injury
3. KAMAT, R Depression and its Correlates in the Context of HIV Infection
4. BIJANKI, KR Stimulation of the Dorsal Cingulum Produces Euphoria and Positive Emotional Bias in an Epilepsy Patient Undergoing Invasive Presurgical Evaluation
5. GOVEROVER, Y Is Being Younger Better? Age, Depression And QOL in MS
6. STROBER, L Doctor, Am I Depressed? How to Appreciate the Intricacies of Depression in Neurological Populations and a Guide to Aide in Its Assessment

4:00–5:30 PM**Symposium 10. Comorbidities Associated with Neurocognitive Performance in Sports Concussion and MS****Chair: Peter Arnett****Salon D**

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| 1. | ARNETT, P | Comorbidities Associated with Neurocognitive Performance in Sports Concussion and MS |
| 2. | GUTY, E | The Relationship between Headache and Cognitive Impairment following Sports-Related Concussion |
| 3. | GRIMA, NA | Melatonin Supplementation Improves Sleep Disturbance Following Traumatic Brain Injury: Preliminary Results from a Randomized Controlled Trial |
| 4. | ASKEN, BM | Physiological Effects of Delayed Removal from Activity Following Sport-Related Concussion as Evidenced in Serum Biomarkers |
| 5. | ZAMZOW, J | Sleep and cognitive function in relapsing-remitting multiple sclerosis |
| 6. | ROMAN, CA | Structural Neural Correlates of Cognitive Functioning and Depression in Multiple Sclerosis: Examining Similarities Across Primary and Secondary Factors |

4:00–5:30 PM**Paper Session 12. Memory****Moderator: Roy P.C. Kessels****Salon E**

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| 1. | OSBORN, KE | Cognitive Diagnosis Modifies the Effect of Cerebrospinal Fluid Biomarkers of Alzheimer's Disease, Neurodegeneration, and Axonal Injury on Episodic Memory Performance: The Vanderbilt Memory & Aging Project |
| 2. | GRILLI, MD | The Life Stories of Adults with Amnesia: Insights into the Contribution of the MTL to the Higher-Order Organization of Autobiographical Knowledge |
| 3. | CASALETTO, KB | Is "Learning" Episodic Memory? Distinct Cognitive and Neuroanatomic Correlates of Immediate Recall During Learning Trials Among Healthy Aging and Neurodegenerative Cohorts |
| 4. | SALONER, R | Worth the Wait: Performance on a One-Week Delayed Recall Task is Associated With Medial Temporal Lobe Structures and Subjective Memory Complaints in Normal Adults |
| 5. | BERTRAND, E | Cortical thickness and metamemory in cognitively diverse older adults |
| 6. | VOGEL, S | The Relationship Among Memory Performance and Hippocampal Subregion Volumes in a Memory Clinic Population |

4:00–5:30 PM**Paper Session 13. Updating Neuropsychological Practice****Moderator: Adam M. Brickman****Salon F-H**

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|----|----------------|--|
| 1. | BREARLY, TW | Neuropsychological Test Administration by Videoconference: A Systematic Review and Meta-Analysis |
| 2. | ELBIN, R | Comparison of Patient Satisfaction following Face-to-Face and Telehealth Clinical Visits for Sport-Related Concussion |
| 3. | FEENSTRA, HE | Reliability and Validity of an Online Tool for Self-Administered Cognitive Assessment: the Amsterdam Cognition Scan |
| 4. | GIOVANNETTI, T | The Virtual Kitchen: Preliminary Data from A Novel Virtual Reality Test of Mild Difficulties in Everyday Function |
| 5. | STELMOKAS, J | Quantitative and Normative Volumetry Using Neuroquant: Association With Memory Performance in Healthy Older Adults and Mild Cognitive Impairment |
| 6. | WONG, CG | Age-Related Hearing Loss and Verbal Memory Assessment |

4:15–5:30 PM**Poster Session 9. ABI & Intervention****Acadia****Acquired Brain Injury (TBI/Cerebrovascular Injury & Disease - Adult)**

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|----|---------------|--|
| 1. | BENNETT, L | The Role of Athletic Exposure on Neurocognitive Performance in Disability-Seeking, Retired National Football League Players |
| 2. | BERGQUIST, TF | Relationship of Clinical Characteristics to Functioning in a Sample of Person with Mild Traumatic Brain Injury (TBI) Seeking Treatment |
| 3. | BINEY, F | A Case of Significant Retrograde Amnesia and Loss of Autobiographical Memories Following Traumatic Brain Injury |
| 4. | CAMPBELL, ME | A Comparison of the Buschke Selective Reminding Test and the California Verbal Learning Test-Second Edition in a Stroke Population |
| 5. | CHAPLIN, AP | Comparing Neuropsychological Outcome in Active Duty Soldiers Following Complicated, Uncomplicated, and Equivocal Mild Traumatic Brain Injury |
| 6. | CHIOU, KS | Investigation of Response Time as a Process Variable in Metacognitive Functioning After Traumatic Brain Injury |
| 7. | CLARK, AL | Repetitive Mild Traumatic Brain Injury Moderates the Association Between Age and Cerebral Blood Flow of Medial Temporal Lobe Structures |

8. ETTENHOFER, M Neurocognitive Eye Tracking in Moderate-to-Severe Traumatic Brain Injury: Evidence for Enhanced Sensitivity to Impairment
9. EVANGELISTA, ND Brain Derived Neurotrophic Factor (BDNF) Val66Met Moderates the Association Between PTSD and Cortical Thickness in Veterans with History of Traumatic Brain Injury
10. FATOORECHI, S Perceived Workload on Performance Validity Tests in Persons with and without Traumatic Brain Injury
11. FEDIO, AA Bringing the Real World Into the Classroom: Individuals With Brain Injury Educate Clinical Psychology Graduate Students
12. FEDIO, AA Functional Correlates of Patients' Current and Predicted Future Satisfaction With Their Aggression Following Traumatic Brain Injury
13. FONG, AK Functional NeuroCognitive Imaging: Rehabilitation of Neurovascular Uncoupling in Concussion Treatment
14. GAYNOR, LS Alteration and/or loss of consciousness is associated with increased symptom report of PTSD, depression, sleep-related anxiety, and larger amygdala volume in OIF/OEF/OND Veterans
15. GENOVA, HM Longitudinal White Matter Changes Associated with Executive Functioning Outcome in Chronic Moderate to Severe TBI
16. GREIF, SM Acute Symptom Recall and Sub-Acute Sleep and Mood Dysfunction in Mild Traumatic Brain Injury
17. GROSSNER, EC Examining Metacognitive Accuracy in Moderate and Severe TBI
18. HAMMOND, J Trends in Helmet Use and Concussion Among Skiers and Snowboarders: Using an Innovative Data Collection Technique for Injury Prevention
19. HARIK, L Comparison of the Neurobehavioral Symptom Inventory and the Rivermead Postconcussion Questionnaire
20. HOFFMAN, SN Patterns of Performance and Symptom Validity Tests in Iraq and Afghanistan Veterans with Mild Traumatic Brain Injury History
21. JURICK, SM Contributions to Executive Dysfunction in Operation Enduring Freedom/Operation Iraqi Freedom (OEF/OIF) Veterans with Post-Traumatic Stress Disorder and Traumatic Brain Injury History
22. KAPLAN, E Self-Discrepancy and Perfectionism: Two Factors Associated with Depression in Individuals with Traumatic Brain Injury
23. KAUP, AR Lifetime Traumatic Brain Injury with Current Psychiatric Symptomatology Impacts Cognition among Late Middle-Aged Men: Findings from the Vietnam Era Twin Study of Aging (VETSA)
24. KEATLEY, E Use of the Depression Anxiety and Stress Scale (DASS) in Varsity Athletes for Baseline Concussion Assessment: Psychometric Properties, Comparison with Non-Athletes, and Frequency of Item Endorsement
25. KEELAN, RE The Role of Experienced Affect on Facial Emotion Perception Accuracy in Moderate to Severe Traumatic Brain Injury
26. KELLER, AV The Role of Cognitive Functioning in Suicidal Ideation in Veterans with a History of Mild Traumatic Brain Injury and Comorbid Psychiatric Conditions
27. KILLGORE, W Blue Wavelength Light Therapy Increases Thalamic Grey Matter Volume Following Mild Traumatic Brain Injury
28. KIM, RT Brain Function and Task Performance Predict Self-Reported Disinhibition and Executive Function in Veterans with Mild-Moderate Traumatic Brain Injury
29. KIRTON, JW Differential diagnosis of repetitive mild traumatic brain injury and posttraumatic stress disorder: Three illustrative cases
30. KORNBLITH, E Neurocognitive Profiles Among Veterans with History of Traumatic Brain Injury
31. LARA-RUIZ, J Anxious and Depressive Symptoms in Retired Professional Football Players: A Contrast with Persons With and Without Moderate-to-Severe Traumatic Brain Injury
32. LEVITCH, C Recent and Long-Term Soccer Heading Exposure is Differentially Associated with Cognitive Impairment in Adult Amateur Players
33. LIPPA, SM A Case Series Analysis of the Natural History of Neurocognitive Performance following Moderate, Severe, and Penetrating Traumatic Brain Injury in U.S. Military Service Members
34. LIPPA, SM A Cross-sectional Perspective of Neurocognitive Outcome from Military-related Mild-moderate TBI in the Sub-acute Recovery Period and 1-year post-injury
35. LIPPA, SM Neuropsychological Outcome Following Moderate, Severe, and Penetrating Traumatic Brain Injury in U.S. Military Service Members
36. LIPPA, SM Predictors of Neurobehavioral Outcome 2-Years Following Mild-Moderate Traumatic Brain Injury
37. LIPPA, SM The Natural History of Psychological Symptoms following Moderate, Severe, and Penetrating Traumatic Brain Injury in Military Service Members: A Case Series Analysis
38. LIPPA, SM The relationship between Self-reported Postconcussion Symptoms with Tau and Amyloid-beta 42 Levels following Military-related Mild-Moderate Traumatic Brain Injury
39. LOPEZ, W Role of Encoding and Retrieval in Activity Memory Following Traumatic Brain Injury
40. LOYNING, A Comparing Artificial Grammar Learning and Natural Language Learning in Adults with Agrammatic Aphasia
41. MALLECK, M Baseline Postconcussive Symptom Patterns in Athletes and Non-Athletes
42. MASSA, J The Utility of Guided Relaxation Meditation in Stroke Rehabilitation
43. MCCLINTOCK, KL Cognitive Effects of Traumatic Brain Injury Assessed with the Digital Clock Drawing Test at the Framingham Heart Study

44. MERZ, Z Current Public Knowledge Pertaining to Traumatic Brain Injury (TBI): Influence of Demographic Factors, Social Trends, and Sport Concussion Experience on the Understanding of TBI Sequelae
45. MEYER, J Post-Concussion Depression and Cognitive Functioning in Collegiate Athletes
46. MOORE, RD Slow-to-recover athletes exhibit worse emotional status, reduced cognitive performance, and decreased neurophysiological function relative to asymptomatic athletes with and without a history of concussion
47. MOORE, RD The Moderating Influence of Learning Disabilities on the Neuropsychological and Neurophysiological Health of Athletes with a History of Concussion
48. MORENO, CC Effects of Sport Type and Concussion History on Baseline Serum Biomarker Concentrations in Collegiate Athletes
49. MOSTI, C Does the NCAA Concussion Management Plan Matter? How Concussion Education Source Influences Symptom Knowledge in College Athletes
50. PARIKH, SA Pre-surgical Executive Functioning in Adult Chiari Malformation Type 1
51. POLEJAEVA, E Task-Irrelevant Interference Mimics Effects of Traumatic Brain Injury on Cognitive Control
52. RAD, H The Role of Cognitive Speed and Control in Encoding Deficits Following Traumatic Brain Injury
53. RASKIN, S A Systematic Approach to Prospective Memory Treatment
54. RASKIN, S The Effect of the Cue-Intention Relationship on Prospective Memory Performance in Individuals with Traumatic Brain Injury
55. REYNOLDS, M Personal Experience with mTBI on Symptom and Recovery Expectations
56. ROY, AA Characterization of concussion: Injury, symptoms, and reporting behaviors in professional rodeo athletes
57. SALINAS, SL Patients with Post-Concussion Syndrome: Impact of Duration of Cognitive Complaints on Neuropsychological Testing
58. SAUVE, W Sex Differences in Psycho-affective Outcome following Concussion in University Athletes
59. SCHILLING, SL Suicidality in Military Veterans with Traumatic Brain Injuries
60. SEAMAN, B The Effects of Comorbid Mild Traumatic Brain Injury and Alcohol Use Disorder
61. SICARD, V Persistent Executive Dysfunction Following a Sport-Related Concussion Assessed with a Task-Switching Paradigm
62. SNYDER, AR Symptom Tolerability of Brief Aerobic Exercise After Mild Traumatic Brain Injury
63. SORG, SF Elevated Intra-individual Variability on Tests of Executive Functions in Veterans with Mild Traumatic Brain Injury
64. SULLAN, M The relationship between loss of consciousness, sleep-related disorders, and volumetric brain changes in veterans with mild traumatic brain injury
65. TERWILLIGER, V The Role of Oral Contraception on Outcomes Following Concussion in Female Collegiate Athletes: A Pilot Study
66. TROYANSKAYA, M Community Functioning, Emotional Status, and Social Cognition Following Combat Deployment
67. TROYANSKAYA, M Post-Deployment Community Integration and Participation
68. UKUEBERUWA, DM Persistent Symptom Clusters and Objective Cognitive Functioning among Veterans with TBI History
69. VOELBEL, G Prospective Longitudinal Investigation of White Matter Integrity in Mild Traumatic Brain Injury
70. WALKER, A The Dunning-Kruger Effect and Traumatic Brain Injury
71. WEBER, E Frontal Systems Behavioral Dysfunction Predicts Employment Status in Moderate-to-Severe TBI
72. WILLIAMSON, E Premorbid IQ Predicts Persistent Postconcussive Self-Reported Symptoms Among Returning Veterans
- Cognitive Intervention/Rehabilitation**
73. ALI, S Investigating the Impact of a Computer-Based Cognitive Intervention on Children with Attention/Executive Function (EF) Problems
74. SHEEHAN, JC Caribbean Quest: Investigating the Impact of a Computerized Cognitive Training Intervention for Children on Cognitive and Academic Outcomes
75. BALDO, J Feasibility of a Mindfulness-based Stress Reduction Program for Stroke Patients
76. BROWN, KD Development of a User-Friendly Digital Memory Notebook: An Iterative User-Centered Development Process
77. CIABATTONI, R Impact of Strategy Type on Adherence to a Behavioral Regimen
78. HUSSEY, J Meaningful recovery via long-term integrated care: A case study on West Nile Encephalitis
79. IMBEAULT, H Impacts of a Multi-Domain Cognitive Training in Geriatric Patients Diagnosed with Mild Neurocognitive Disorder
80. KIM, K The efficacy of the Cogmed Working Memory Training[®] depending on the level of sluggish cognitive tempo (SCT)
81. LEON-CARRION, J Neuropsychological markers for safe driving
82. LEON-CARRION, J Neuropsychological rehabilitation of dysfunctional sphincter control
83. MACOUN, S Cognitive rehabilitation in schools: training the paraprofessional trainer
84. MARTON, K Relationship Between Baseline Functional Status and Executive Function Training Outcome in Veterans with Chronic TBI
85. MCCARTHY, J The Use of Prospective Memory Training for Improving Academic Self-Efficacy in an Undergraduate Population: A Pilot Study
86. MCFARLAND, CP Enhancing Memory and Imagination Improves Problem-Solving Among Individuals with Depression

87. MULLEN, C Strategy Training Improves Route Recall: Preliminary Report from a Randomized Controlled Trial of Cognitive Rehabilitation
88. MURDAUGH, D Efficacy of an Individualized, Manualized Cognitive Remediation Program to Improve Adaptive Functioning in Pre-Adolescents with Neurological Impairments
89. NOVAKOVIC-AGOPIAN, T Goal-Oriented Attentional Self-Regulation Training in Veterans with PTSD and mTBI
90. O'CONNELL, ME Remote Neuropsychology for Rural Dementia Care: Feasibility of, and Adaptations Required for, Videoconferenced Support Group and Cognitive Rehabilitation
91. PATEL, S Simulator Discomfort Across Neurological Populations: Who is Most Affected?
92. PERNA, R Memory Dysfunction Due to Hemolytic Anemia and Hemochromatosis: A Case Study
93. POUTIAINEN, E Technology Assisted Rehabilitation for Persons With Dementia and Their Family Members – A Controlled Intervention Study
94. PYNE, S Effectiveness of a Cognitive Intervention on Metacognitive Awareness in Children with Attention, Self-Regulation, and Executive Function Difficulties
95. RAMIREZ, FE Violation Conscience is Related to Worse Mental Health Among Geriatrics
96. RAPHAIL, A Eye-Tracking in Neuropsychology: Using the Eyes as the Window to the Mind
97. ROSSI, C The use of bioengineering techniques in cognitive rehabilitation: a pilot study
98. VICKERS, KL Defining the Relationship Between Executive Functioning and Consistency in Regimen Adherence

SATURDAY, FEBRUARY 4, 2017

7:20–8:50 AM

CE Workshop 11. How Does Evidence-Based Practice Address the ‘Replication Crisis’ in Clinical Neuropsychology?

**Presenters: David Loring, Stephen C. Bowden
Bissonet**

1. LORING, D

How Does Evidence-Based Practice Address the ‘Replication Crisis’ in Clinical Neuropsychology?

7:20–8:50 AM

CE Workshop 12. Constraint-Induced Therapies for Neurological Disorders: Contemporary Findings, Application to Disorders of Movement, Aphasia, and Visual Perception, and Increased CNS Neuroplasticity

**Presenter: Victor W. Mark
Salon D**

1. MARK, VW

Constraint-Induced Therapies for Neurological Disorders: Contemporary Findings, Application to Disorders of Movement, Aphasia, and Visual Perception, and Increased CNS Neuroplasticity

9:00–9:30 AM

INS Business Meeting (Business & Beignets) Carondelet

9:00–10:15 AM

Poster Session 10. Peds 2 Acadia

ADHD/Attentional Functions

1. ANDERSON, JR Differential effects of coffee on sustained attention for good and poor sleepers: Is coffee truly the solution?
2. BEDARD, A Cognitive and Emotional Control in Youth With ADHD, and the Impact of Stimulant and Non-Stimulant Treatment
3. CASEY, JE Preliminary Validation of the BASC-2 in a Canadian Pediatric Sample with and without ADHD
4. CASSILL, C Differences of Attentional Impairment in Obstructive Sleep Apnea and ADHD
5. CRAUN, E Differential working memory abilities for youth with attention deficits
6. DEVITO, AN Do Anxiety Symptoms Moderate Working Memory Performance in Underserved Children?
7. DEWEY, D Quality of Life in Adolescents with Developmental Coordination Disorder and Attention Deficit/Hyperactivity Disorder
8. DUDA, TA Attenuated Graphomotor Procedural Learning in Children and Adolescents with ADHD
9. FEDER, A Examination of Revisions to a Measure Designed to Detect ADHD Simulators
10. FEIRSEN, N Executive Functioning and Hyperactivity in Youth with ADHD
11. FERENC, L Parent-Reported Adaptive Functioning in Preschoolers With or Without ADHD
12. GAU, S Comparison of neuropsychological functioning between adults with early- and late-onset DSM-5 Attention-Deficit/Hyperactivity Disorder
13. GRAVES, B Predicting Academic Achievement Using Intelligence, Executive Functioning, and Socioeconomic Status in Children With and Without ADHD
14. JORGENSON, M Impact of ADHD on Receptive Language in Children With and Without Language Impairment
15. KANDASAMY, A The Influence of Impulsivity on Standardized Digital Test Performance

16. KINGERY, K Brain Activity During Periods of Longer Reaction Times: Event-Related Potential Comparisons of Children With and Without ADHD
17. KIVISTO, LR Sleep Problems in Children With and Without ADHD Using the BEARS Sleep Disorder Screening Tool
18. LEVITCH, C Emotion Attribution Impairments, Biases, and Development in Children with Attention Deficit/Hyperactivity Disorder and Severe Emotion Dysregulation
19. LONGORIA, J A revised model of attentional constructs within the Test of Everyday Attention for Children: Results from exploratory factor analysis with a mixed clinical sample
20. LOTT, M The impact of sleep restriction on sustained attention among healthy adolescents.
21. LUNDERVOLD, AJ Early inattentive behavior predicts high school academic achievement across two culturally and diagnostically diverse samples
22. LUNDERVOLD, AJ Prediction of academic achievement in adolescents from teacher reports of inattention in childhood - a classification study
23. MARTINELLI, M Binge eating is associated with delay discounting and BMI in children with ADHD
24. MARTINELLI, M Investigating the Impact of Cognitive Load and Motivation on Response Control in Relation to Delay Discounting in Children with ADHD
25. MCGLADE, E Speed and Attention in Veterans with and without a History of Suicide Attempts
26. MLODNICKA, A Impact of Neurodevelopmental Genes on the Trajectory of ADHD severity: A Pilot Study
27. NELSON, JM Comparison of Adolescents and Adults With Purely Inattentive Type ADHD and Combined Type ADHD on Speeded Cognitive and Academic Measures: Implications for the Sluggish Cognitive Tempo Construct
28. PHILLIPS, AM Symptoms of Hyperactivity/Impulsivity and Increased Error Rates on Graphomotor Tasks Using a Digitizing Tablet
29. ROSCH, KS Differential correlations between subcortical volumes and delay discounting in children with and without ADHD
30. ROSCH, KS Neuropsychological Correlates of Delay Discounting in Girls and Boys with ADHD
31. SIMONE, AN Persistence of ADHD Symptoms, not Remission, is Associated with Working Memory Difficulties at 8-years-old
32. SWEENEY, KL Developmental Trajectory of Motor Deficits in Preschool Children with and without ADHD
33. TADROUS-FURNANZ, SK Does processing speed contribute to the far transfer effects of Cogmed Working Memory Training on Reading Comprehension?
34. VOGT, E Convergence of ADHD Symptom Report and Neuropsychological Tests
35. WOOTEN, K Addressing the Sustained Attentional Problems of ADHD Ultra-rapid Metabolizers
36. KIRSCH, A Discriminative Power of Rey-Osterrieth Complex Figure Test for Attention-Deficit/Hyperactivity Disorder Compared to Other Attention and Executive Functioning Measures
- Assessment/Psychometrics/Methods (Child)**
37. KIRSCH, A Correlates of Rey-Osterrieth Performance Across Memory, Attention, and Visual-Spatial Functioning in a Referred Pediatric Sample
38. AUSTIN, CA Parent Expectations and Change in Parent Efficacy in Pediatric Neuropsychological Evaluations
39. CANNON, A Improvement or Inflation? Analysis of the Adaptive Behavior Assessment System (ABAS-II Versus ABAS-3) in a Clinical Sample
40. DEASLEY, S Concurrent Validity of the BDEFS-CA in a Canadian Sample of Children with and without ADHD
41. GAUDET, CE Appraising Neuropsychological Impairment in Children with Severe Psychiatric Disorders: Applying Predicted Base Rates
42. GAUDET, CE Rates of Neuropsychological Test Completion Within a Pediatric Inpatient Sample
43. HEARPS, S Pediatric Evaluation of Emotions Relationships and Socialization (PEERS): Interim Analysis of Clinical Data
44. HENNRICK, H Informant Reports of Children's Cognitive Abilities Affected by Relationship Factors
45. JOELSON, S Effects of Infant Social-Emotional Problems on Cognitive Performance
46. ZABEL, TA Patient Experience of Neuropsychological Assessment: Preliminary Findings from a Pediatric (Ages 5-18) Patient Sample
47. LALIBERTE DURISH, C Convergent and Divergent Validity for a Measure of Psychological Resilience in Children with Mild Traumatic Brain Injury
48. LEAFFER, EB Is the WISC-V Yielding Lower Scores? Comparisons of the WISC-IV and WISC-V in Pediatric Epilepsy
49. LUCCHETTI, A A Pilot Study of Critical Flicker Frequency in a Clinical Pediatric Sample
50. MERCER, EN Mullen Early Learning Composite: A Predictor of Later Intelligence Quotient Scores
51. O'BRIEN, AM Confirmatory Factor Analysis of the BDEFS-CA in a Canadian Sample of Children with and without ADHD
52. O'DESKY, I WISC Disparity Can Rule In NLD Not Rule Out
53. RACH, A Age-Based Child-SCAT3 and SCAT3 Normative Values Using a Youth Football Population
54. RAO, R The Relationship of Executive Function and Attention with Sleep Duration in Children with Obstructive Sleep Apnea
55. RYAN, M Predictive Utility of Performance-Based and Rating Scale Measures of Inhibition in Preschool Children

56. SCHELLER, AD Examination of Automatized Sequences Task as an Index of Performance Validity in General Pediatric Neuropsychological Evaluations
57. SCHNEIDER, H Contrasting Parent vs. Teacher Ratings on the BRIEF-P in Preschool Children with and without ADHD
58. SHIPLEY, EM The Test of Memory Malingering (TOMM): Use with Deaf or Hard of Hearing Children Referred for Neuropsychological Assessment
59. STEPHAN, C Cross-setting rater agreement on ADHD symptomatology: What's a clinician to do?
60. STEPHAN, C Does adaptive competence rely on better language-based or visually-based reasoning skills?
61. STEPHAN, C Parent satisfaction ratings of pediatric neuropsychological assessment services
62. WEBER, E Assessing effort with the TOMM and Automatized Sequences in a child inpatient setting
63. WRIGHT, I A Robust Statistical Approach to Classification of Developmental Change in Cognitive Test Scores
64. HOLDNACK, JA Does Cognitive Variability Differentiate Children with Clinical Disorders from Controls
- Learning Disabilities/Academic Skills**
65. HOLDNACK, JA Application of WISC-V Multivariate Base Rate Data to Children with Learning Disorders
66. ALBERT, P Receptive Language Moderates the Effects of AAC Intervention on Communication Skills in Children with Developmental Delays
67. AMARAL, JL Service Delivery Outcomes after Assessment in Children with Learning Disorders
68. ARMENGOL, CG Neurological soft signs (NSS) as potential risk indicators of disrupted neurodevelopment in a Mexican sample of elementary school children
69. ARRINGTON, C Pre-Intervention White Matter Microstructural Integrity Predicts Improvements in Reading Scores in Developmental Dyslexia
70. CHILD, A Shared and Unique Predictors of Math, Reading, and Attention Skills in Ninth Grade Children
71. CIRINO, PT Longitudinal Algebra Prediction for Early versus Later Takers
72. DAVIS, K Disrupted Amygdalar Subregion Functional Connectivity As A Biomarker For Anxiety Symptoms Associated With Reading Disorder
73. GERST, EH Processing Speed in Late-Elementary School Children: Examination of the Structure and Its Relation to Reading
74. HARDY, LM Foundational Literacy Skills Among Diverse Children in a Clinic Sample
75. HOKKANEN, L Midlife Cognition in a Birth Risk Cohort – 40 Year Follow-Up
76. HUSTON-WARREN, EA Executive Functions and Self-Regulated Learning as Predictors of Math Achievement: A Path Analytic Framework
77. MANO, Q Attentional control associated with sensitivity to the statistical regularity of subword orthography
78. MARGOLIS, AE Intrinsic Functional Connectivity Within The Left Hemisphere Reading Network And Associations With Phonological Ability In Children With And Without Reading Disorder
79. REESE, K As Easy as ABC? Deaf or Hard-of-Hearing Students' Alphabetic Knowledge and Recitation
80. RIGGALL, E Modeling Implicit Sequence Learning in Developmental Dyslexia with and without Specific Language Impairment
81. ROBERTS, A Cognitive Correlates of Academic Learning in Fetal Alcohol Spectrum Disorders
82. SALVADOR-CRUZ, J Executive Function and Reading Comprehension: Performance of Mexican 9-year-olds on a Non-Linguistic measure of inhibition.
83. SALVADOR-CRUZ, J Neurological Soft Signs (NSS) as Potential Risk Indicators of Disrupted Neurodevelopment in a Mexican Sample of Elementary School Children
84. SEESE, S What Do Children with ADHD and ASD Look Like in the Mainstream Classroom? Examining Executive Functions in School
85. TANAKA, H Slow Reading: A New Neurobiological Phenotype
86. TIMPANO SPORTIELLO, M Developmental Dyslexia and Working Memory
87. WESONGA, EM Comorbidity of Learning Disabilities: Prevalence Rates of Co-occurring Reading Disability, Writing Disability, Math Disability, ADHD, and Other Psychiatric Disorders in a School Sample
88. WINTER, R Functional MRI Overlap Between ADHD and Developmental Dyslexia on Alternative Force Choice Tasks: A Meta-Analytic Study
- Epilepsy/Seizures**
89. SRNKA, KD Intraindividual Variability in Sustained Attention Mediates the Relationship between Age of Epilepsy Onset and IQ and Academic Achievement

10:00–11:30 AM**Invited Symposium 6. Translational Neuropsychology: Contemplating the Past and Looking Toward the Future****Chair: Adam M. Brickman****Carondelet**

1. BRICKMAN, AM Translational Neuropsychology: Contemplating the Past and Looking Toward the Future
2. BRICKMAN, AM Dietary Flavanols, Hippocampal Subfields, and Cognitive Aging: A Translational Neuropsychology Story
3. BARCH, DM Connectomics and the Brain: Past, Present and Future
4. BILDER, RM Neuropsychological Models: Past, Present and Future
5. AU, R Next Generation Neuropsychology: Digital Biomarkers and Big Data

6. BAUER, RM An Interactive Translational Platform for Investigating Age-Related Memory Decline

10:00–11:30 AM

Symposium 11. Development and Adaptation of Assessment Instruments: Best Practices, Legal Issues, Training, and Lessons Learned

Chair: Lisa Drozdick Bissonet

1. DROZDICK, L Development and Adaptation of Assessment Instruments: Best Practices, Legal Issues, Training, and Lessons Learned
2. DROZDICK, L Developing Tests for Global Use
3. NAKONECHNY, A Translation of Assessments: Best Practices and Lessons Learned
4. KEMP, S Developing Neuropsychology Training Programs in Colombia
5. SHAFER, D Legal Requirements and Recommendations Around Test Adaptation and Translation

10:00–11:30 AM

Symposium 12. Neonatal Hypoxic-ischemic Encephalopathy in the Post-therapeutic Hypothermia Era: How does a Multi-disciplinary Approach from Bench to Bedside Help Us Understand a Shift in Brain Injury Patterns and Neurobehavioral Outcomes?

Chair: Gwendolyn J. Gerner

Discussant: Catherine Limperopoulos

Salon D

1. GERNER, GJ Neonatal Hypoxic-ischemic Encephalopathy in the Post-therapeutic Hypothermia Era: How does a Multi-disciplinary Approach from Bench to Bedside Help Us Understand a Shift in Brain Injury Patterns and Neurobehavioral Outcomes?
2. NORTHINGTON, F Imaging the Spatiotemporal Progression of White Matter Injury after Neonatal Hypoxia Ischemia
3. GRAHAM, E Blood Biomarkers for Evaluation of Perinatal Encephalopathy
4. PORETTI, A White Matter Injury in Neonatal Hypoxic-ischemic Injury After Therapeutic Hypothermia: Qualitative and Quantitative Analysis of Conventional and Advanced Neuroimaging Techniques
5. GERNER, GJ Patterns of White Matter Injury and Neurobehavioral Outcomes Following Neonatal Asphyxia and Treatment with Therapeutic Hypothermia
6. BURTON, J Language Development Following Neonatal Hypoxic-Ischemic Encephalopathy Treated with Therapeutic Hypothermia

10:00–11:30 AM

Paper Session 14. Cognitively Based Interventions in Aging

Moderator: Sylvie Belleville

Salon E

1. MEWBORN, C Cognitive interventions for older adults: A systematic review and meta-analysis of randomized controlled trials
2. SIMON, SS Cognitive and Neuroimaging Changes After Mnemonic Strategy Training in Amnesic Mild Cognitive Impairment: a Randomized, Single-Blind Study
3. BRENNER, E Changes in Resting-State Neural Networks After Memory Training in Amnesic Mild Cognitive Impairment
4. BELLEVILLE, S Cognitive training in persons with MCI has durable effect on memory and generalizes to daily life: Results from the MEMO+ randomized controlled trial
5. KESSELS, RP Structured Relearning of Everyday Tasks in Dementia: The Randomized Controlled REDALI-DEM Trial on Errorless Learning
6. POLSINELLI, A Mindfulness Training For Improving Cognitive And Emotional Functioning In Healthy, Non-Meditating Older Adults

10:00–11:30 AM

Paper Session 15. TBI Across the Lifespan

Moderator: Suzanne Penna

Salon F-H

1. RYAN, NP Uncovering the Neural Correlates of Cognitive, Affective, and Conative Theory of Mind in Paediatric Acquired Brain Disorder: Evidence from Traumatic Brain Injury
2. PULSIPHER, DT Postconcussive Symptoms in Children and Adolescents Are as Common in Other Neurologic/Neurodevelopmental Disorders as They Are in Concussion
3. BELLEROSE, J Persistent socio-cognitive clouding following preschool mild TBI
4. MCDONALD, S Social Cognition After TBI: Its All About Connections
5. PRESSON, N Quantitative High Definition Fiber Tracking Metrics Differentiate Healthy Control and Chronic TBI Groups
6. TREBLE-BARNA, A Influence of Dopamine-Related Genes on Neurobehavioral Recovery following Traumatic Brain Injury During Early Childhood

10:00–11:30 AM

1. SIKKES, S
2. HESSEN, E
3. BUCKLEY, R
4. GIFFORD, K
5. COSENTINO, S
6. APPLE, A

Paper Session 16. Subjective Cognitive Complaints**Moderator: Sietske Sikkes****Salon A-C**

- Subjective Cognitive Decline and Preclinical Alzheimer's Disease: Harmonization of Measurement Instruments
- Subjective cognitive impairment is a predominantly benign condition in memory clinic patients followed for 6 years. The Gothenburg-Oslo MCI study.
- Region-specific tau and B-amyloid effects on subjective cognitive concerns in the Harvard Aging Brain Study
- Relation of cerebrospinal fluid markers of Alzheimer's disease pathology and subjective cognitive decline; the Vanderbilt Memory and Aging Project
- The role of domain-independent health perceptions in Subjective Cognitive Decline
- Elevated hippocampal functional connectivity related to memory in breast cancer survivors with self-reported cognitive concerns

10:30–11:45 AM

1. WERRY, AE
2. ABRAHAM, N
3. BAILEY, BA
4. BARBOZA, M
5. BERL, M
6. CARMASIN, JS
7. CARVALHO, J
8. COMBS, HL
9. DUGGER, AJ
10. DUVALL, SW
11. EULER, M
12. FALLOWS, R
13. FASANO, ME
14. FRANCHOW, EI
15. HARTLEY, N
16. HAZLETT ELVERMAN, K
17. HOLCOMBE, JS
18. HOLLAND, AK
19. JOHN, SE
20. JOHNSON, N
21. KARR, JE
22. KNEPP, MM
23. KURNIADI, N
24. LE, T
25. MACKIE, M
26. MAYNARD, T
27. MCCUDDY, WT
28. MCLEAN, E
29. MORAN, EE

Poster Session 11. Cognition**Acadia****Cross Cultural**

- Influence of Demographic Variables on Measures of Memory and Language in Older Adults of Different Races

Executive Functions/Frontal Lobes

- Examination of Cognitive Functioning Among Holocaust Survivors
- Parent-Reported and Performance-Based Changes in Inhibitory Control Following Parent-Child Interaction Therapy (PCIT) in a Pediatric TBI Sample
- Preliminary data for comparison of written verbal and non-verbal fluency
- Executive Functioning Profiles in Children with Intellectual Disability
- Stability of Self-Rated Executive Dysfunction in MCI and Older Adults With Subjective Cognitive Dysfunction
- Anxiety and Sleep Dysfunction Predict Executive but not Memory Dysfunction in Healthy Adults
- Deep Brain Stimulation for Parkinson's disease: An Investigation of Post-surgical Self-regulation and Executive Functioning
- Development of Executive Functions: From 5 to 24 Years of Age
- Relationship Between Parent Report of Executive Function and Naturalistic Observational Coding in Preterm and Full Term Preschoolers
- The Effect of Novelty on Motor Control in Healthy Participants
- The Relationship between Interference and Inhibition in a Mixed Clinical Sample
- Concurrent Validity of the Behavior Rating Inventory of Executive Function in Clinically-referred Children who are Deaf or Hard-of-Hearing
- Naturally-Occurring Expressive Suppression in Older Adulthood: Beyond Executive Functioning
- Risky Sexual Behaviors in Homeless Youth: The Influence of Executive Functioning and Depression on the Condom Use of Homeless Youth in Chicago
- The Importance of Heart Rate Variability to Executive Functioning Across the Lifespan
- Need for Cognition and its Relation to Self-Reported Executive Dysfunction
- Assessing Diminishment of Frontal Lobe Function in Trait Aggressive, Violent Prone Men: Examining Changes in Performance on a Cognitive Estimation Task and Grip Strength Measures Using a Dual Task Approach
- The Unity and Diversity of Neuropsychological Tasks of Executive Functioning: Construct and Ecological Validity of Common Assessment Measures
- Developmental Trajectories of Strategic Processing in Children with Phenylketonuria
- Multivariate Assessment of Executive Functions: Frequency of Low Scores on the Delis-Kaplan Executive Function System
- Rey-Osterrieth Complex Figure Task Performance and Negative Affect Predict Emotion Regulation and Health Behavior
- Specificity of Disinhibition in Overweight and Obese Children
- Executive Function is Associated with Sleep Disruptions in Young Adults with Depression
- Common Deficits of The Cognitive Control Network in Three Neuropsychiatric Disorders
- Objective Measurement of Sleep by Smartphone Application – Comparison with Actigraphy and Relation to Cognition, Mood, and Self-Reported Sleep
- The Role of Resting Versus Stress-Induced Autonomic Regulation on Inhibitory Control Performance Across the Lifespan
- Depression Explains the Relationship Between Cognition and Social Adjustment in Adults with Cognitive Complaints
- Highly Variable Blue Light Exposure is Related to Poor Sleep and Cognition in Young Adults

30. NIERMEYER, MA Slower Action Planning is Associated with More Obstacle Contacts During an Obstructed Walking Task
31. NIXON, KH Can Executive Functioning Bolster Learning During Times of Overwhelming Stress?
32. NYENHUIS, R Measuring patient self-awareness deficit (PSAD)
33. OBERMEIT, LC The Cognitive Profile of Sexual Risk-Taking Intentions
34. OWENS, TE Effect of Mood Induction and Trait Anxiety on Delay Discounting Performance in fMRI
35. PENNINGTON, N Frustration Impairs Performance on a Task of Executive Function in Females Only
36. PERSAUD, UD Cognitive Flexibility and Coping in Adults with Cognitive Complaints
37. REYNOLDS, BW Associations of Decision Making and Concept Formation with Risky Choices in Healthy Adults
38. RIVERA, A Competing conflict leads to bilingual disadvantage: Performance on an explicit and implicit Simon task
39. SALVADOR-CRUZ, J Executive Function and Reading Comprehension: Performance of Mexican 9-year-olds on a Non-Linguistic Measure of Inhibition.
40. SANTOS, OA Predicting Performance on a Functional Executive Measure via a Brief Cognitive Screening Test
41. SELEME, ME Executive functioning and academic achievement in a group of elementary school students in Havana
42. SO, RP The utility of neuropsychological assessment in detecting adolescents with a history of prior psychiatric hospitalizations
43. STUDENY, J The Executive and Non-Executive Demands of Constructional Measures within a Children's Psychiatric Inpatient Setting
44. SULLIVAN, E Trauma and Executive Functioning: An Examination of the Relationship between Trauma and Stroop Task Performance using a Large Web-Based Sample
45. TAYLOR, S The Relation Between the Mental Clutter Scale and Self-Reported Executive Dysfunction
46. TOLFO, SE The Geriatric Complex Figure: A test for the Assessment of Planning, Visuospatial Ability, and Memory in Older Adult Populations
47. TRIPP, J The Additive Effect of Low Birth Weight and Seizures on Executive Functioning
48. WEILHAMMER, J The relationship between executive behavioral control and emotional distress in urban homeless youth
49. WELSH, M College Students with a History of Child Maltreatment and Academic Outcomes: The Mediating Role of Executive Functions
50. ZIEMNIK, RE Predictors of Medication Management: Contrasting Verisimilitude and Veridicality
- Imaging (Structural)**
51. MEMEL, MB Contributions of Visual Integration and Frontotemporal White Matter Integrity on Associative Memory in Older Adults
- Language and Speech Functions/Aphasia**
52. DUTTA, M Language Functions in Adults with Epilepsy: A Scoping Review and Data Mining Study
53. FIELDS, L Verbal Fluency and Word Retrieval Difficulties in Healthy Older Adults
54. FONG, MW Factor Structure of the Boston Diagnostic Aphasia Examination-Third Edition
55. KEY-DELYRIA, S Ambiguous Sentence Comprehension and Cognitive Control in Adults after TBI
56. MCAULEY, TL Dissociation Between Implicit and Explicit Access: The Failure of Inhibition Theory
57. OWENS, TE Word and Nonword Reading Differences in Primary Progressive Aphasia Variants and Primary Progressive Apraxia of Speech
58. PILLAY, SB Examining the relationship between motor system function and verb processing in aphasia using voxel-based symptom-lesion mapping (VLSM)
59. SAADATPOUR, L Primary Progressive Mixed Transcortical Aphasia, a Case Report
- Memory Functions**
60. ANDERSON, DM Systematic Review of the Relationship Between Hippocampal Volume and Memory Performance in Preterm-Born Individuals
61. BRUNET, HE Differences in Learning and Recall Strategies in Older Adults Based on IQ
62. COOK, A Is Unusually High Working Memory Performance Associated with SuperAger's Superior Episodic Memory Performance?
63. DE WIT, L The Effects of Depressive Symptom Dimensions and Education on Verbal Memory
64. DULAY, M Rates of Memory Loss After Stroke in Areas of the Brain Not Typically Associated with Forgetfulness
65. ESTEVIS, E Performance on the Rey Auditory Verbal Learning Test (RAVLT) in neurologically intact Spanish-speaking older adults
66. GAASEDELEN, O Preliminary Validation of the Subjective Memory Complaint Scale (SMS) for Individuals who have Underwent Electroconvulsive Therapy (ECT)
67. KIM, H Effects of Perceptual and Semantic Encoding on Recall and Recognition Memory in Subjective Cognitive Decline
68. LABELLE, DR Curiosity is associated with spatial working memory and right mesial temporal volumes
69. LAJEUNESSE, A Semi-Naturalistic Prospective Memory Assessment in Mild Cognitive Impairment
70. NESTER, CO Differential Semantic and Episodic Memory for September 11, 2001 in Cognitively Impaired and Healthy Adults
71. O' SHEA, DM Prospective memory strategy use as a predictor of cognitive status in older adults: the role of subjective memory

- 72. PRESTON, T Clinical Evaluation of Prospective Memory in Children: Effect of Distractor Task
- 73. ROSENBAUM, R Impaired face discrimination following early mediodorsal thalamic damage
- 74. ROSENBAUM, R Not all types of future thinking are affected in episodic amnesia
- 75. ROSSETTI, M Should Male and Female Normative Data be Separate for Verbal Memory Tests? An In-Depth Look at the CVLT-II versus RVLTL
- 76. SEKHON, A Visual Memory Differences Between Older Veterans with PTSD/OSA and OSA Alone
- 77. STEED, D Left Ventricular Assist Device Placement Significantly Improves Memory for Patients with Advanced Heart Failure
- 78. TALBOT, KS Prospective Memory in Childhood: Cognitive and Behavioral Differences Among Subtypes and Experimental Methods
- 79. VAKIL, E Distinct eye movements for different cognitive processes as expressed in the face recognition task
- 80. WONG GONZALEZ, D The Effects of Encoding Strategies in Associative Recognition Memory
- 81. YANDALL DEJESUS, S Spatial Recognition Memory Across the Adult Lifespan: Evidence for Age-Related Deficits in Spatial Pattern Separation in Middle and Old Age

Visuospatial Functions/Neglect/Agnosia

- 82. ALTOMARE, LG The Influence of Traumatic Brain Injury on the Allocation of Vertical Spatial Attention
- 83. BOUKRINA, O Linguistic Processing of Single Words in Spatial Neglect
- 84. GOOD, AJ A 34-Year Follow-Up Study on a Patient with Callosal Disconnection Neglect
- 85. MANKOWSKA, A Right Hemispheric Dominance for the Allocation of Spatially Directed Focal Attention
- 86. SEDGEWICK, JR Native Reading Direction Modulates Lateral Lighting Biases for 3-Dimensional Stimuli
- 87. ZINK, DN The Relationship Between Parietal Lobe Integrity and Neuropsychological Tests of Visuospatial Function

11:30–11:45 AM

**AM Coffee Break
Acadia Ballroom**

12:00–1:00 PM

**Plenary G (Kaplan Memorial Lecture). Language and the Brain: From Past Studies to Future Aspirations
Presenter: Nina F. Dronkers
Carondelet**

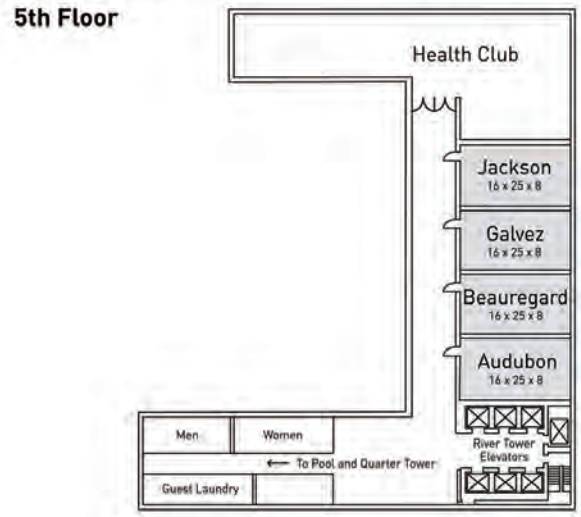
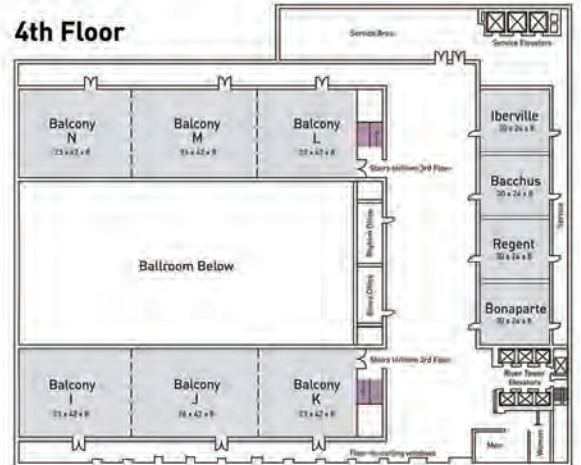
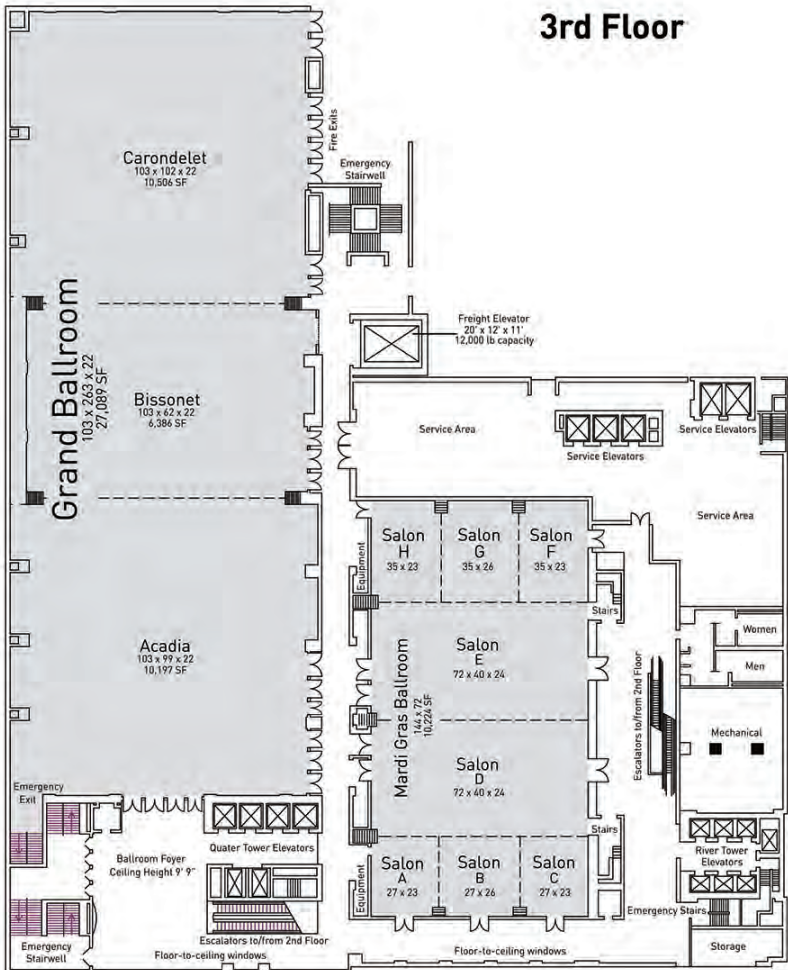
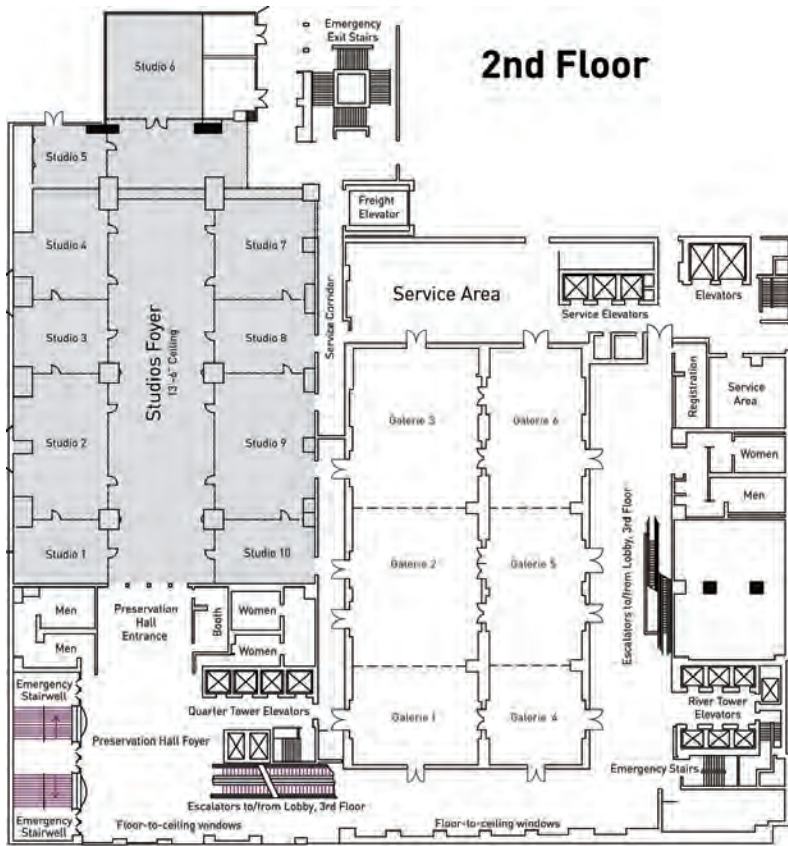
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Language and the Brain: From Past Studies to Future Aspirations

1:00–2:00 PM

**Kaplan Lecture Luncheon: A Taste of New Orleans
Bissonnet**

HOTEL FLOOR PLANS

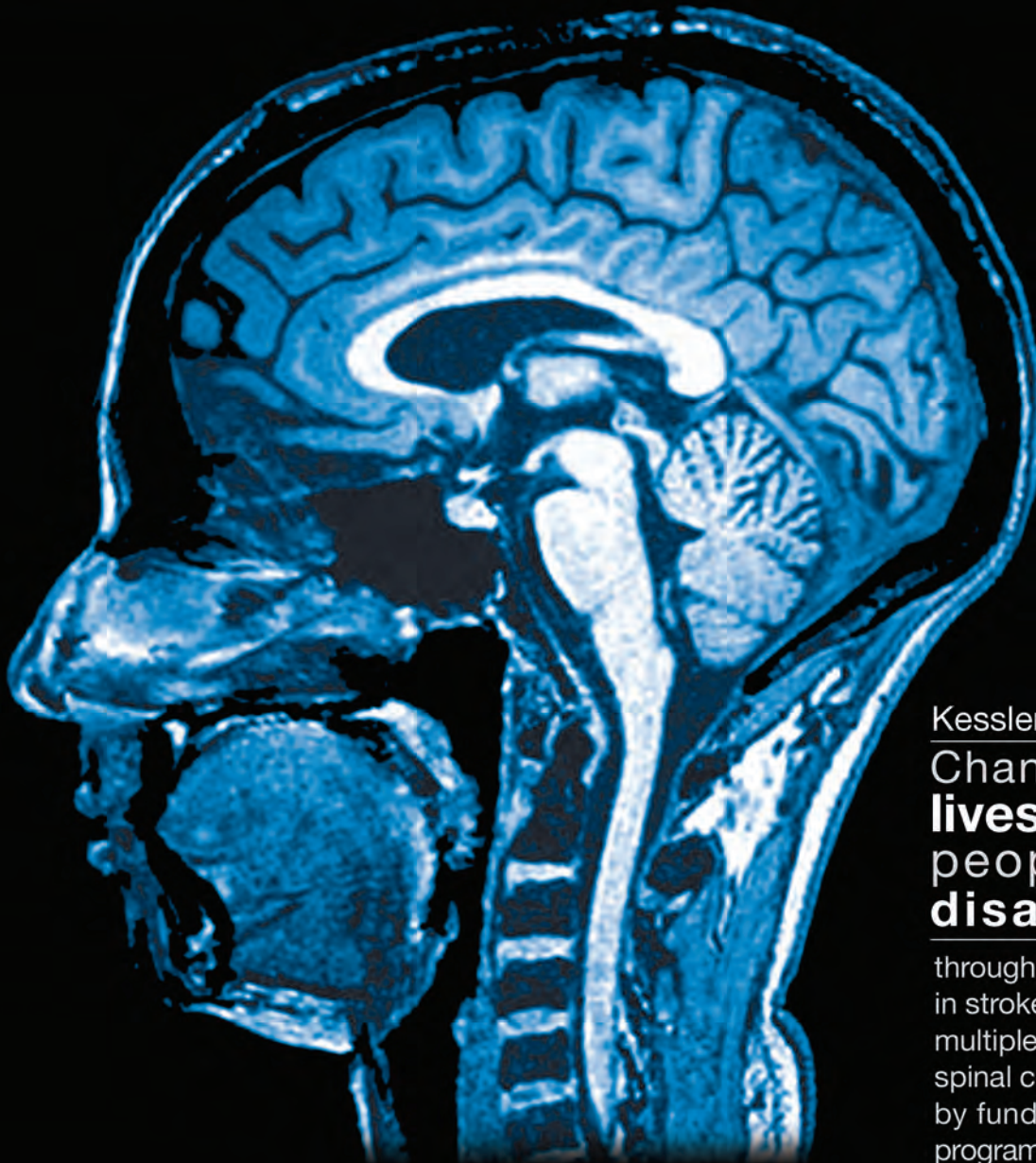


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