

WO THOUSAND THREE COMMENCEMENT

Conferring of Degrees at the Close of the

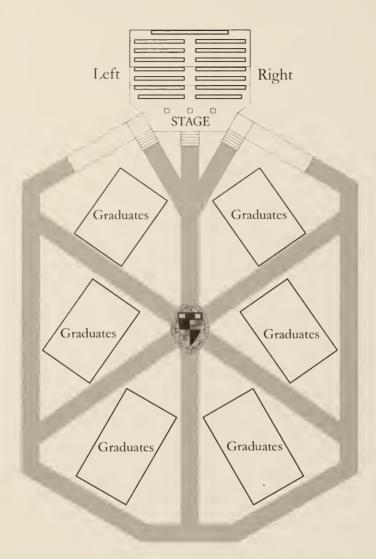
127th Scademic Year

CLASS OF 2003

May 22, 2003

9:15 a.m.

# **GRADUATES SEATING**



# Order of Seating Facing Stage

(Graduates Left)

Doctors of Philosophy and Doctors of Medicine - Medicine

Doctors of Philosophy - Advanced International Studies

Doctors of Philosophy, Doctors of Public Health,

and Doctors of Science - Public Health

Doctors of Philosophy - Nursing

Doctors of Musical Arts and Artist Diplomas - Peabody

Doctors of Education - Professional Studies in Business and Education

Masters - Medicine

Masters - Advanced International Studies

Masters - Public Health

Masters and Bachelors - Nursing

Masters, Certificates, Diplomas, and Bachelors - Peabody

Certificates of Advanced Graduate Study and Masters - Professional Studies in Business and Education

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Bachelors - Professional Studies in Business and Education

# Order of Seating Facing Stage

(Graduates Right)

Doctors of Philosophy - Arts and Sciences

Doctors of Philosophy - Engineering

Masters and Certificates - Arts and Sciences

Masters and Certificates - Engineering

Bachelors - Engineering

Bachelors - Arts and Sciences

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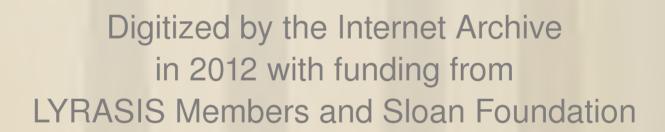
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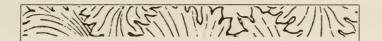
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Please note that while *all* degrees are conferred, *only* doctoral graduates process across the stage. Though taking photos from your seats during the ceremony is not prohibited, we request that guests respect each other's comfort and enjoyment by not standing and blocking other people's views.

Photos of graduates can be purchased from Commencement Photos (978-851-5924). Videotapes can be purchased from Northeast Photo Network (410-789-6001).

We appreciate your cooperation!





# ORDER OF PROCESSION

#### Marshals

H. Franklin Herlong Thomas LaVeist
Gregory Ball Edward Pajak
David Bishai Peter B. Petersen
Lori Graham-Brady Peter Searson

Benjamin Hobbs Margaret Soderstrom

Kostas Konstantopoulos David Sullivan
Barbara Landau Bridget Welsh
Stuart W. Leslie Beverly R. Wendland

Paul Mathews

The Graduates

Marshals

Matthew A. Crenson Pier Massimo Forni

The Faculties

Marshals

Michael D. Moyer William P. Kotti

The Deans

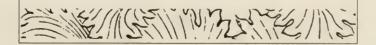
Members of the Society of Scholars

The Trustees

Officers of the University

Chief Marshal Gary K. Ostrander

The President of The Johns Hopkins University
Alumni Association
The University Chaplain
The Faculty Reader, Doctoral Candidates
The Honorary Degree Candidates
The Provost of the University
The Chairman of the Board of Trustees
The President of the University



## ORDER OF EVENTS

William R. Brody
President of the University, presiding

#### **PRELUDE**

La Mourisque Tielman Susato (fl. 1529–1561)

Three Suites from The American Brass Band Journal G. W. E. Friederich (1821–1885)

Suite no. 2 for Military Band Gustav Holst (1874–1934)

Gaudeamus Igitur (trad.)

#### **PROCESSIONAL**

The audience is requested to stand as the Processional moves into the area and to remain standing until after *The National Anthem*.

Festive Marches from *Belshazzar*, *Floridante*, *Ezio*, *Scipione*, *Saint Cecilia's Day*, *Rinaldo*, and *Judas Maccabaeus* George Frideric Handel (1685–1759)

#### THE PRESIDENT'S PROCESSION

Fanfare
Walter Piston (1894–1976)

Grand Intrada from Alceste
George Frideric Handel (1685–1759)

#### **INVOCATION**

Sharon M. K. Kugler *University Chaplain* 

The National Anthem of the United States of America Sung by Christine Cavanagh Miller, 2003 Graduate

#### **GREETINGS**

Raymond A. "Chip" Mason Chairman of the Board of Trustees

#### **GREETINGS**

Joseph R. Reynolds

President of
The Johns Hopkins Alumni Association

# PRESENTATION OF NEW MEMBERS OF THE SOCIETY OF SCHOLARS

Bjorn Afzelius Kevin G. Rice
Appiah Amirtharajah Ira Michael Rutkow
Eric W. Fonkalsrud Terrence J. Sejnowski
James D. Griffin Lord Robert Skidelsky
Arthur P. Grollman Leigh Thompson
William G. Kaelin Jr. Herbert F. Voigt
Kenneth A. Krackow Paul Kieran Whelton
Frederick Hamilton

PRESENTED BY
Steven Knapp

Linthicum Jr.

Provost and Senior Vice President for Academic Affairs

## CONFERRING OF HONORARY DEGREES

The Honorable Michael R. Bloomberg
Randolph W. Bromery
Claire M. Fagin
Sidney Kimmel
Gordon E. Moore

#### **ADDRESS**

William R. Brody
President of the University

#### MUSICAL INTERLUDE

Fanfare
Robert Sirota
Commissioned by The Walters Art Museum, 2001
The Festival Brass, Dr. Sirota conducting

# CONFERRING OF DEGREES ON CANDIDATES

Bachelors of Science in Biomedical Engineering Bachelors of Science in Chemical Engineering Bachelors of Science in Civil Engineering Bachelors of Science in Computer Engineering Bachelors of Science in Computer Science Bachelors of Science in Electrical Engineering Bachelors of Science in Engineering Mechanics Bachelors of Science in Materials Science and Engineering Bachelors of Science in Mathematical Sciences Bachelors of Science in Mechanical Engineering Bachelor of Arts Bachelors of Arts in Biomedical Engineering Bachelors of Arts in Computer Science Bachelors of Arts in Mathematical Sciences Bachelor of Science in Engineering Science Bachelors of Civil Engineering Bachelors of Electrical Engineering Bachelors of Mechanical Engineering

PRESENTED BY
Ilene Busch-Vishniac
Dean, The G.W.C. Whiting School of Engineering

Bachelors of Science in Biology Bachelors of Science in Physics Bachelors of Arts

PRESENTED BY
Daniel H. Weiss
James Barclay Knapp Dean
The Zanvyl Krieger School of Arts and Sciences

Performers Certificates
Bachelors of Music
PRESENTED BY
Robert Sirota

Director, The Peabody Institute

Bachelors of Science

PRESENTED BY

Martha N. Hill

Dean, The School of Nursing

Undergraduate Certificates in Business
Bachelors of Science
Bachelors of Liberal Arts
Graduate Certificates in Business
Graduate Certificates in Education

PRESENTED BY Ralph Fessler

Dean, The School of Professional Studies in Business and Education

Masters of Science
Masters of Business Administration
Masters of Arts in Teaching
Post-Master's Certificates in Business
Post-Master's Certificates in Education
Certificates of Advanced Graduate Study

PRESENTED BY
Ralph Fessler

Dean, The School of Professional Studies in Business and Education

Masters of Science in Nursing

Masters of Science in Nursing/Masters of Business Administration

Masters of Science in Nursing/Masters of Public Health

PRESENTED BY
Martha N. Hill
Dean, The School of Nursing

Graduate Performance Diplomas

Masters of Music

Masters of Arts

PRESENTED BY

Robert Sirota

Director, The Peabody Institute

Masters of Science

Masters of Health Science

Masters of Public Health

PRESENTED BY
Alfred Sommer
Dean, The Bloomberg School of Public Health

Masters of International Public Policy Masters of Arts in International Affairs Masters of Arts

PRESENTED BY
Jessica P. Einhorn

Dean, The Paul H. Nitze School of

Advanced International Studies

Masters of Arts

PRESENTED BY
Edward D. Miller
Frances Watt Baker and Lenox D. Baker Jr.
Dean of the Medical Faculty

Graduate Certificates

Certificates of Continuing Engineering Studies

Masters of Chemical Engineering

Masters of Civil Engineering

Masters of Environmental Engineering

Masters of Mechanical Engineering

Masters of Science

Post-Master's Advanced Certificates

Masters of Science in Engineering

Masters of Arts

PRESENTED BY

Ilene Busch-Vishniac

Dean, The G.W.C. Whiting School of Engineering

Masters of Arts

Masters of Science

Masters of Science in Biotechnology

Masters of Science in Developmental Psychology

Masters of Science in Environmental Sciences and Policy

Masters of Arts in Applied Economics

Masters of Arts in Communication in Contemporary Society

Masters of Arts in Government

Masters of Liberal Arts

Masters of Arts in Writing

Certificates of Advanced Graduate Study in Liberal Arts

PRESENTED BY
Daniel H. Weiss
James Barclay Knapp Dean
The Zanvyl Krieger School of Arts and Sciences

PRESENTED BY
Ralph Fessler
Dean, The School of Professional Studies
in Business and Education

Doctors of Education

Artist Diplomas

Doctors of Musical Arts

PRESENTED BY
Robert Sirota
Director, The Peabody Institute

Doctors of Philosophy

PRESENTED BY
Martha N. Hill
Dean, The School of Nursing

Doctors of Science

Doctors of Public Health

Doctors of Philosophy

PRESENTED BY
Alfred Sommer
Dean, The Bloomberg School of Public Health

Doctors of Philosophy

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Dean of the Medical Faculty

Doctors of Philosophy

PRESENTED BY
Ilene Busch-Vishniac
Dean, The G.W.C. Whiting School of Engineering

Doctors of Philosophy

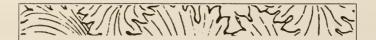
PRESENTED BY
Daniel H. Weiss
James Barclay Knapp Dean
The Zanvyl Krieger School of Arts and Sciences

#### RECESSIONAL

The Prince of Denmark's March Jeremiah Clarke (c. 1674–1707) Trumpet Tune in D Henry Purcell (1659–1695)

The audience is requested to remain standing until the principals, officials, members of the faculties, and the graduates have left the area.

Music has been provided by the Chesapeake Festival Brass, Ellery Woodworth, Conductor.



# DIVISIONAL DIPLOMA CEREMONIES INFORMATION

The Paul H. Nitze School of Advanced International Studies Diploma Ceremony is at 3 p.m. this afternoon at Constitution Hall, 18th and D Streets NW, Washington, DC. Federal Reserve Bank of New York President/CEO William J. McDonough is the speaker. A reception at the Nitze School follows the Ceremony.

The Zanvyl Krieger School of Arts and Sciences and The G.W.C. Whiting School of Engineering Undergraduate Diploma Ceremony is at 1:45 p.m. this afternoon on Homewood Field. New York City Mayor Michael R. Bloomberg is the speaker.

The Zanvyl Krieger School of Arts and Sciences Master's Diploma Ceremony is at 6:30 p.m. this evening in Shriver Hall Auditorium. Barclay Knapp is the speaker. A reception in the Levering Union Glass Pavilion follows immediately.

The School of Medicine Diploma Ceremony is at 2:30 p.m. this afternoon at Meyerhoff Symphony Hall at Cathedral and Preston Streets in Baltimore. National Institutes of Health Director Dr. Elias Zerhouni is the speaker.

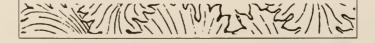
The School of Nursing Diploma Ceremony is at 4 p.m. this afternoon in Turner Auditorium at the School of Medicine. Dean Emeritus of the University of Pennsylvania School of Nursing Dr. Claire M. Fagin is the speaker.

The Peabody Institute Diploma Award Ceremony is at 8 p.m. this evening at the Mt. Vernon Place United Methodist Church, Mt. Vernon Place. Andre Previn, who will receive the George Peabody Medal for Outstanding Contributions to Music in America, is the speaker.

The School of Professional Studies in Business and Education Undergraduate and Graduate Diploma Ceremony will be held at 7:30 p.m. this evening on Homewood Field. Annie E. Casey Foundation Senior Vice President Ralph Smith is the speaker. A reception follows in the Ralph S. O'Connor Recreation Center immediately after the Ceremony.

The Bloomberg School of Public Health Diploma Ceremony was held yesterday afternoon.

The G.W.C. Whiting School of Engineering Graduate Diploma Ceremony was held yesterday evening.



# THE JOHNS HOPKINS SOCIETY OF SCHOLARS

The Society of Scholars was created on the recommendation of former president Milton S. Eisenhower and approved by the University Board of Trustees on May 1, 1967. The society—the first of its kind in the nation—inducts former postdoctoral fellows and junior or visiting faculty at Johns Hopkins who have gained marked distinction in their fields of physical, biological, medical, social, or engineering sciences or in the humanities and for whom at least five years have elapsed since their last Hopkins affiliation. The Committee of the Johns Hopkins Society of Scholars, whose members are equally distributed among the academic divisions, elects the scholars from the candidates nominated by the academic divisions that have programs for postdoctoral fellows. The scholars are invested at the time of Commencement, Commemoration Day, or a similar occasion. At that time they are presented with a diploma and a medallion on a black and gold ribbon to be worn with their academic robe.

There are currently 445 members in the Johns Hopkins Society of Scholars.

The following listing of the Society of Scholars members elected in 2003 is accompanied by a short description of their accomplishments at the time of their election to the society.

## Bjorn Afzelius Stockholm, Sweden

Dr. Afzelius has made seminal contributions to the understanding of the motility of sperm and cilia. A professor emeritus at Stockholm University, he has trained a large number of people in the use of electron microscopy for biomedical research. Dr. Afzelius has published 250 scientific papers and has written books on spermatology, cell biology, and biomedical electron microscopy.

## Appiah Amirtharajah Atlanta, Georgia

Dr. Amirtharajah is among a small group of the very best environmental engineers and practitioners in the field of potable water treatment and supply. Using innovative physical and chemical technologies, he has improved the health of people throughout the world, across geographical and cultural boundaries. Over the past 25 years, Dr. Amirtharajah has been a mentor for his students and a valued colleague for others working to provide safe, reliable, and affordable water supplies.

# Eric W. Fonkalsrud Santa Monica, California

For decades, Dr. Fonkalsrud has been one of the outstanding leaders in pediatric surgery. During his 35-year tenure as chief of pediatric surgery at the University of California, Los Angeles, School of Medicine, Dr. Fonkalsrud developed an active clinical and research program in the management of inflammatory bowel disease in children and adults. He was among the developers of the ileanal pouch procedure for patients with ulcerative colitis.

## James D. Griffin Boston, Massachusetts

Chair of the Department of Medical Oncology at the Dana-Farber Cancer Institute, Dr. Griffin is internationally recognized for his research in the clinical and biologic aspects of hemotologic malignancies, or cancers of the blood cells. He was chosen to lead his department because of his vision and compassion; more than 100,000 patients visit his department's clinics each year. Dr. Griffin is a professor at Harvard Medical School.

## Arthur P. Grollman Stony Brook, New York

Dr. Grollman is director of the Zickler Laboratory of Chemical Biology at the State University of New York at Stony Brook, where he explores the relationship between the structure of damaged DNA and the enzymes involved in repairing it. Dr. Grollman's studies have contributed to our understanding of the aging process and are used in developing cancer-fighting chemotherapeutic drugs. He is a professor of medicine, experimental medicine, and pharmacological sciences.

## William G. Kaelin Jr. Boston, Massachusetts

A Howard Hughes Medical Institute investigator, Dr. Kaelin works to discover why mutations of tumor-suppressing genes cause cancer. His work provides insight into the genetic factors that make people more likely to develop the disease, and he is developing innovative molecularly targeted cancer therapy. Dr. Kaelin is a professor in the Department of Medicine at the Dana-Farber Cancer Institute and at Brigham and Women's Hospital, Harvard Medical School.

# Kenneth A. Krackow Buffalo, New York

Dr. Krackow is the clinical director of the Buffalo General Hospital Department of Orthopaedics and well-known in his field as an innovator and teacher. In October 2001, he performed the first computer-assisted total knee replacement in North America, using a surgical navigation system he developed to assist surgeons locate exact points within the body.

# Frederick Hamilton Linthicum Jr. Los Angeles, California

Dr. Linthicum has helped millions of people affected by hearing loss and balance problems through his dedicated study of pathology in the human temporal bone, which contains the organs responsible for hearing and balance. His roles as teacher and mentor have further amplified his contributions to the field of otology. Dr. Linthicum is director of the Temporal Bone Histopathology Laboratory at the House Ear Institute in Los Angeles, where he has been an affiliate since 1957.

# Kevin G. Rice Iowa City, Iowa

As a National Institutes of Health postdoctoral fellow, Dr. Rice spent three years at Johns Hopkins studying the relationships between carbohydrates and carbohydrate-binding proteins. His work has become a highly respected classic in the field. Now a professor and division head of medicinal and natural products chemistry at the College of Pharmacy at the University of Iowa (his alma mater), Dr. Rice has trained many Ph.D.'s and postdoctoral fellows. In 2001, he earned the American Chemical Society's Horace S. Isbell Award, a coveted award bestowed only to scientists under 40 years old, for his development and application of targeted gene delivery systems, based on carbohydrate-recognition in biological systems.

## Ira Michael Rutkow Freehold, New Jersey

Dr. Rutkow is one of the world's eminent historians of surgery. His book *American Surgery: An Illustrated History* was named a Notable Book of the Year in 1994 by *The New York Times Book Review.* He is an internationally known teacher and founder of The Hernia Center, the nation's only private hernia hospital, where he uses techniques that reduce patient discomfort and speed recovery. Surgeons from all over the world visit the center to learn from Dr. Rutkow.

# Terrence J. Sejnowski La Jolla, California

A world leader in the field of computational neuroscience, Dr. Sejnowski did research at Johns Hopkins that laid the foundation for the field of neural network analysis. In 1982, he became an assistant professor of biophysics at Johns Hopkins, where he received the Presidential Young Investigator Award. Today, Dr. Sejnowski is director of the Institute for Neural Computation at the University of California, San Diego. He is also head of the Computational Neurobiology Laboratory at the Salk Institute.

# Robert Skidelsky, Lord Skidelsky of Tilton East Sussex, England

Lord Skidelsky is an economist and historian and author of the definitive biography of economist John Maynard Keynes. A professor of economics at the University of Warwick in England, he has also written extensively on several topics in 20th-century history, most recently on Russia and Eastern Europe after communism.

# Leigh Thompson Charleston, South Carolina

Dr. Thompson is one of the country's leading clinical pharmacologists. At Eli Lilly and Co., he led development of major new therapeutic entities including the first recombinant DNA product, human insulin. During his clinical training and faculty time at Johns Hopkins, he initiated the first intensive care unit and developed hydroxyethyl starch as a blood substitute.

## Herbert F. Voigt Boston, Massachusetts

A professor of biomedical engineering at Boston University, Dr. Voigt has contributed greatly to the understanding of the mechanics of human hearing. In recognition of his leadership in the field, he was elected president of the Biomedical Engineering Society in 1999 and was a co-recipient of the Biomedical Engineering Society's 2002 Presidential Award. Dr. Voigt also writes "Scientifically Speaking," a general interest science and technology column for the *Milton Times*, a community newspaper in Massachusetts.

## Paul Kieran Whelton New Orleans, Louisiana

Dr. Whelton spent most of his professional career at Johns Hopkins, rising through the ranks to become a professor of epidemiology and medicine. Throughout his career, he has made numerous contributions to our understanding of how to prevent heart disease, renal disease, and hypertension. Along with Dr. Leon Gordis, Dr. Whelton is credited with starting the Welch Center for Prevention, Epidemiology, and Clinical Research at Johns Hopkins. Dr. Whelton is now senior vice president for Health Sciences at Tulane University and was previously dean of the Tulane School of Public Health and Tropical Medicine.

## HONORARY DEGREE CITATIONS

Citation read by

Alfred Sommer

In Presenting

MICHAEL R. BLOOMBERG

For the Degree of Doctor of Humane Letters

May 22, 2003

On occasions such as this, universities honor significant accomplishments in exemplary careers. In your case, the question is: Which career?

The truth is that you have been extraordinarily accomplished in at least four. First: investment banking. Just eight years after graduating from Johns Hopkins, you were a partner and emerging leader at one of Wall Street's major firms.

Second: entrepreneurship. From scratch, you created Bloomberg L.P., now a multimedia giant and one of the world's most important sources of business and financial news.

Third: philanthropy and civic leadership. You are our university's most devoted supporter since Johns Hopkins himself. You have transformed this institution not only with gifts of breathtaking generosity but also with the energy, intelligence, and creativity you brought to roles as trustee, fund-raiser, and board chairman. More than a score of other organizations in health, education, and the arts owe you similarly profound gratitude for your efforts on their behalf.

And fourth: politics. As mayor of New York, you have tackled head-on the tough but critically important issues: education, budget deficits, and continued healing in a city grievously wounded just before you took office.

Michael R. Bloomberg, you were a leader in the Class of 1964 and have been a leader in career after career ever since. Your legendary acumen, your skill, and your success notwithstanding, it is in the end for your compassion and humanity that The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *bonoris causa*.

Citation read by
Daniel H. Weiss
In Presenting
RANDOLPH W. BROMERY
For the Degree of Doctor of Humane Letters
May 22, 2003

You once compared leading a college to heading "a finely tuned symphony." Everywhere you have been, you have helped campuses hit the high notes.

For more than 30 years, while remaining an active geophysicist, you have been what may best be described as a circuit college president, gravitating toward campuses around Massachusetts just when they needed you most. You have been chancellor of the University of Massachusetts at Amherst, acting president of Westfield State College, interim chancellor of the Board of Regents of Higher Education, president of Springfield College, and, until your recent retirement, interim president of Roxbury Community College.

At each institution, you found great satisfaction in helping schools build from their unique positions of strength. Before your arrival at Roxbury in 2002, many thought the historically black college's survival was uncertain. Under your leadership, however, it has turned the corner.

You earned your Ph.D. in geology from Johns Hopkins in 1968, and have maintained a close relationship with the university ever since. A seminar series in the Department of Earth and Planetary Sciences is named for you. We are grateful for your service as trustee and trustee emeritus.

Randolph W. Bromery, World War H veteran of the famous Tuskegee airmen, accomplished scientist, gifted administrator, and educational statesman, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *bonoris causa*.

# Citation read by Martha N. Hill In Presenting CLAIRE M. FAGIN For the Degree of Doctor of Humane Letters May 22, 2003

Few names in nursing prompt such immediate recognition and widespread respect as that of Claire M. Fagin. You have truly been a leader, making significant and lasting contributions through your scholarship and through your leadership in both academics and national health policy.

You first achieved national notice in 1966 with a groundbreaking doctoral dissertation on the benefits of a mother's presence for hospitalized children. While at the Herbert Lehman College of the City University of New York, you established the first baccalaureate nursing program that prepared nurses for primary care practice.

As dean of the School of Nursing at the University of Pennsylvania, you led that school to a position of national prestige and leadership. You revamped the curriculum, started a doctoral program, and greatly enriched research efforts, establishing a privately funded Center for Nursing Research. You continued your service to the University of Pennsylvania after stepping down as dean, becoming the first woman interim president of an Ivy League university in 1993.

You have received the highest honors the profession of nursing awards, and remain active today, a tireless advocate for universal health care and a national leader in efforts to improve geriatric nursing care.

Claire M. Fagin, in recognition of decades of advocacy for patients, distinguished scholarship, and inspiration and mentoring of generations of nursing leaders, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

Citation read by
Edward D. Miller
In Presenting
SIDNEY KIMMEL
For the Degree of Doctor of Humane Letters
May 22, 2003

You are the self-made son of a Philadelphia cab driver, and the founder of one of the largest and most successful apparel companies in the world. Your approach to business is legendary: a hands-on and courageous style of leadership that has propelled you and Jones Apparel Group to the pinnacle of the industry.

Your determination to share your success with the world is legendary as well. You have been monumentally generous to many important causes in your home city and elsewhere. But you have focused your incredible energy and passion most especially on the treatment and cure of cancer, a scourge that you have noted claims annually the lives of some 550,000 Americans.

To that end, you have been not only a philanthropist but also an activist, an educator, and an advocate. With your admonition to "imagine a world without cancer," you also have been an inspiration. Cancer centers bearing your name have arisen in New York, San Diego, and Philadelphia and, of course, here at Johns Hopkins. Your \$150 million gift to the Sidney Kimmel Comprehensive Cancer Center, the largest in Johns Hopkins history, has brought us a great deal closer to the cancer-free world you imagine.

Sidney Kimmel, in recognition of your visionary leadership and your exemplary dedication to the cause of eradicating cancer, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

# Citation read by Ilene Busch-Vishniac In Presenting GORDON E. MOORE For the Degree of Doctor of Humane Letters May 22, 2003

You are a visionary of Silicon Valley, co-founder of a business that gave birth to the microprocessor and helped launch a revolution. It is no exaggeration to say that you deserve a huge share of the credit for the way we learn, the way we work, the way we communicate, and the way we live today.

You also deserve credit for an amazingly accurate prediction you made in 1965. That forecast of the exponential growth of computing power is now known as "Moore's Law."

Your first job after completing the requirements for your doctorate was at the Johns Hopkins Applied Physics Laboratory, where you studied flames and the shapes of spectral lines. You later joined Shockley Semiconductor Laboratory, working with the co-inventor of the transistor. In 1957, you and seven colleagues established the highly successful Fairchild Semiconductor Corporation.

With a Fairchild colleague, you founded Intel Corporation in 1968, initially focusing on memory chips. Intel later introduced the world's first microprocessor, now the "brain" inside computers throughout the world. Today, Intel is the world's largest chip maker and a leading developer of other innovative technology. You now serve as chairman emeritus.

Gordon E. Moore, you have put computers on our desks, on our laps, and now in our pockets. For your entrepreneurial leadership and unmatched contributions to information technology and the modern way of life, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, bonoris causa.

## THE UNIVERSITY MACE

The University Mace carried by the Chief Marshal, Dr. Gary K. Ostrander, was first used at the 1954 Commemoration Day Ceremony. Eight symbols are hand-wrought in sterling silver on an ebony staff. The symbols represent our cultural development from ancient times, through the Middle Ages and the Renaissance, to the modern era.

# THE PRESIDENTIAL INSIGNIA

University President William R. Brody is wearing the Presidential Insignia signifying the authority vested in the President by the Board of Trustees. It is a chain of sterling silver links worn around the neck. Portraits of Johns Hopkins University Presidents are engraved on the faces of the links. On the reverse are engraved the names and dates of office of each President. Blank links for future use are included. The University Seal completes the design.

## ACADEMIC GARB

The custom of wearing academic dress stems from the Middle Ages, when scholars were also clerics and wore the costume of their monastic order. The hood was originally a cowl attached to the gown, which could be slipped over the head for warmth. The cap was originally round but has changed to the varieties we see today.

The gown varies for the respective degrees. The Bachelor's gown is worn closed and can be distinguished by its long, pointed sleeves. The Master's gown is designed to be open with the arms placed through the slits at the elbows of the sleeves. The Doctor's gown, also worn open, has full, bell-shaped sleeves with three horizontal bars stitched across the upper sleeve. There is a velvet panel draped around the neck and stitched down the front edges. This velvet trimming may be either black or the same color as the velvet border of the hood.

The hood also varies for the respective degrees. The Bachelor's and Master's hoods are the same design, pointed at the base. The Bachelor's hood is three feet long; the Master's hood is three and one-half feet long. The Doctor's hood is four feet long, of fuller shape, and rounded at the base. The hood is bordered with velvet, the color of which indicates the field of study in which the Bachelor's, Master's, or Doctor's degree was earned:

Dark blue—Philosophy

Light blue—Education

Green-Medicine

Salmon pink—Public Health

Orange—Engineering

Gold-yellow—Science

White—Arts and Letters

Pink—Music

Purple—Law

Apricot—Nursing

Tan—Business

The silk lining of the hood represents the institution which granted the degree. If more than one degree is held, the gown and hood of the higher or highest degree is worn. The Johns Hopkins University has adopted an alternative costume to be used by all holding Johns Hopkins doctoral degrees, both earned and honorary. The costume consists of a gold robe with front and side panels in sable velvet and a six-sided Dutch academic cap with gold sweatband and tassel. The linings seen in today's academic procession may include:

Black, old gold—*Johns Hopkins University* Light blue, white—Columbia University Dark blue—Yale University Light blue, white—University of North Carolina Gold, blue—University of California at Berkeley Purple—New York University Bright red—University of Wisconsin at Madison Maroon—University of Chicago Red, white—Cornell University Cardinal—Stanford University Cardinal red and gray-Massachusetts Institute of Technology

Gold, blue—University of Michigan Blue, gold—University of Rochester Brown, red—Brown University Blue, white—Howard University School of Divinity Gold, black—Vanderbilt University Red, white—Indiana University Red, black—Northeastern University

Red, gray—Ohio State University Orange, black—Princeton University Red—Rutgers University White, red—Temple University Gold, blue—University of California at Los Augeles Light blue, navy blue—Union Institute Gold, blue—United States International University Gold, gray-University of Colorado Orange, white—University of Manchester

Red—University of Maryland Silver, red—University of New Mexico Dark red, white—University of Oklahoma Red, blue—University of Pennsylvania Black, red, yellow—University of Psaderborn Blue, gold—University of Toledo

Gold—West Virginia University

# THE UNIVERSITY MOTTO

Veritas vos liberabit. The truth shall make you free. -St. 7ohn 8:32

## AWARDS

## Schools of Arts and Sciences, Engineering, and Medicine

LOUIS SUDLER PRIZE IN THE ARTS For excellence in the creative arts Awarded to Kathleen Marie Kvortek

## The Zanvyl Krieger School of Arts and Sciences and The G.W.C. Whiting School of Engineering

THE ABELL FOUNDATION AWARD IN URBAN POLICY Presented to the Johns Hopkins student who authors the most compelling paper on a pressing policy challenge facing the city of Baltimore.

Awarded to Eric Friedman

ROBERTO R. ARELLANO AWARD For excellence in writing by a Writing Seminars undergraduate Awarded to *Colleen Anne Coyne* 

LOUIS AZRAEL FELLOWSHIP IN COMMUNICATIONS For demonstrated excellence in a field of mass communications Jointly awarded to Ishai Z. Mooreville Jessica R. Valdez Maany Peyvan

BIOMEDICAL ENGINEERING
DISTINGUISHED SERVICE
AWARD
For outstanding service to the
academic community
Awarded to Shikha Mishra

James F. Bell Award Presented by K.T. Ramesh for outstanding undergraduate research and scholarly achievement in Mechanical Engineering Jointly awarded to Keenan Alexander Wyrobek Alexander Charles Egeler LUCIEN BRUSH AWARD FOR
EXCELLENCE IN
ENVIRONMENTAL ENGINEERING
For outstanding academic
achievement in Environmental
Engineering by a graduating
senior
Awarded to Oliver Tsai

MARY FARRELL CAMERER AWARD For excellence in writing by a Writing Seminars undergraduate Awarded to Zachary H. Samalin

EUGENIO AND PATRICIA CASTILLO AWARD To the best first- or secondyear student in Economics Awarded to *Alena Bicakova* 

CHEMICAL AND BIOMOLECULAR ENGINEERING UNDERGRADUATE RESEARCH AWARD For demonstrated contributions to research in Chemical and Biomolecular Engineering Awarded to *Brian Chung* 

CIVIL ENGINEERING AWARD For outstanding achievement by a senior in Civil Engineering Awarded to *Oliver Timothy Oberg* 

James S. Coleman Award
This award was established by
the Department of Sociology in
1994, in honor of Dr. James S.
Coleman, the first chair of the
department. The award is for
outstanding academic
achievement by a senior
majoring in sociology and is
presented at graduation
Awarded to Jacob Rosson Hibel

OUTSTANDING DOUBLE MAJOR AWARD FROM THE DEPART-MENT OF COMPUTER SCIENCE For outstanding achievement in combining diverse studies with computer science Awarded to John Gregory Stoneham OUTSTANDING SENIOR AWARD IN COMPUTER SCIENCE
To a senior for a demonstrated record of academic excellence, leadership, and service in Computer Science
Jointly awarded to
Darren Craig Davis
Ryan Wallace Candy

OUTSTANDING MINOR AWARD FROM THE DEPARTMENT OF COMPUTER SCIENCE For outstanding achievement in combining diverse studies with computer science Awarded to Jeremiah Crim

SPECIAL SERVICE AND
CONTRIBUTION AWARD IN
COMPUTER SCIENCE
For outstanding work to benefit
Johns Hopkins University and
the community
Awarded to Michael Hilsdale

ROBERT GEORGE GERSTMYER
AWARD
For outstanding undergraduate
achievement in Mechanical
Engineering
Jointly awarded to
Jennifer Nadine Abras
Ryan A. Austin
Michael James Taylor

G. STANLEY HALL PRIZE For outstanding achievement by an undergraduate in Psychology Awarded to *David William Silver* 

ROBERT AND NANCY HALL FELLOWSHIP
Recipients of this fellowship are awarded an internship at The Walters Art Museum, where they gain firsthand experience of the museum profession.

Awarded to Ashley Megin Everett

BRUCE HAMILTON AWARD
To the graduate student in the
Department of Economics
who has exhibited the best
performance in research
workshops
Awarded to Jacques Miniane

MAX HOCHSCHILD FUND
The prize is awarded annually
to the undergraduate student in
Economics who has shown
great promise and proficiency
in this field
Awarded to Pamela Pen-Erh Pei

JACOB H. HOLLANDER PRIZE For excellence in writing by a Writing Seminars undergraduate Awarded to Sarah Beddow Gibson

THE THREE ARTS CLUB OF HOMELAND AWARD For excellence in writing by a Writing Seminars undergraduate Awarded to Martin Justin Marks

WILLIAM H. HUGGINS AWARD For outstanding service and academic achievement by a senior in Electrical and Computer Engineering Awarded to *Sharon Betz* 

RICHARD J. JOHNS AWARD
For outstanding academic
achievement in Biomedical
Engineering
Jointly awarded to
Charles Chiang
Toni W. Forrest
Yihua Loo
Thomas P. Lozito
Michael E. Luc
Christian M. Sauer
Akhil Seth (2002)
Jing Zeng

DONALD E. KERR MEMORIAL MEDAL

To the outstanding undergraduate major in Physics and Astronomy Jointly awarded to Panl Gosling Sean Michael Tulin

THE MARTIN AND MARY
KILPATRICK PRIZE
For outstanding achievement in
Chemistry
Jointly awarded to
Joshna L. Avins
Tsun-yin Bert Lai
Glenn M. Wolfe

THE EUGENE LEAKE AWARD
For outstanding achievement in
the Homewood Arts Workshops
Jointly awarded to
Marisa Rachel Adelman
Gaurav Agarwal
Clarence Daniel Lin
Michael Mario McGovern
Amanda June Vickers

Danny Lee Award For outstanding undergraduate research in Biomedical Sciences Awarded to *Abnika Sarah Kline* 

ERNEST M. MARKS AWARD
In recognition of excellence in instruction and research in Chemistry
Jointly awarded to
Ahmed Hafez
J. Michael Nilles

MATHEMATICAL SCIENCES AWARD FOR ACHIEVEMENT Jointly awarded to Allison R. Barker Pamela Pen-Erb Pei

MATHEMATICAL SCIENCES
AWARD FOR EXCELLENCE IN
TEACHING
For outstanding teaching
performance by a student in the
Mathematical Sciences
Department during the year
2003–2004
Awarded to David W. Hutchinson

WILLIAM D. MCELROY AWARD For meritorious research conducted by an undergraduate in the Biological Sciences Awarded to Marie del Mar Ingaramo

TEACHING ASSISTANT AWARD FROM THE DEPARTMENT OF MECHANICAL ENGINEERING Awarded to James Kinsey

EMILY AND THOMAS MEREN SCHOLAR AWARD Established in 1998 in support of undergraduate students pursuing a BA/MS degree in Neuroscience Awarded to *David Wesley Strong* 

DEPARTMENT OF THE ARMY SUPERIOR CADET AWARD Awarded to the ROTC cadet who ranks highest on the university Order of Merit list and demonstrates exceptional officer potential Awarded to Glen Nelson Mackey

DISTINGUISHED MILITARY
GRADUATE
For displaying outstanding
qualities of leadership, high
moral character, noteworthy
academic achievement, and
exceptional aptitude for
military service
Jointly awarded to
Nicholas B. Challen
Nicole Lynn Gross
Zehra Tenay Güvendiren
Glen Nelson Mackey

GEORGE C. MARSHALL
LEADERSHIP AWARD
Awarded to the most outstanding graduating ROTC
cadet who has demonstrated
those leadership and scholastic
qualities that epitomize the
career of General George C.
Marshall
Awarded to
Jonathan David Grassbangh

PRESIDENT'S SABER
The President's Saber is awarded to the ROTC cadet who has made the most significant contribution to the Johns Hopkins University ROTC battalion, and reflects those leadership characteristics required of an Army Officer Awarded to Jonathan David Grassbangh

U.S. ARMY OFFICER
COMMISSION
The following students earned a
United States Army commission
through successful completion
of the Army Reserve Officers
Training Corps program
Awarded to
Nicholas Bradford Challen
Jonathan David Grassbaugh
Nicole Lynn Gross
Zehra Tenay Güvendiren
Stanley Kwieciak III
Glen Nelson Mackey

CHARLES A. MILLER AWARD Presented by Charles A. Miller ('40) for outstanding undergraduate achievement Awarded to Brian Donglas Weibeler

MICHAEL J. MUUSS RESEARCH AWARD From the Computer Science Department for the best application of research to practice Awarded to *Alan Wendell Chen* 

NADDOR PRIZE Awarded to *Grant Francis Roch* 

DAVID S. OLTON AWARD For outstanding achievement in independent research by an undergraduate in Psychology Awarded to Laurie Elizabeth Power PRESIDENT'S COMMENDATION
FOR ACHIEVEMENT IN THE
ARTS
For outstanding contributions
to the arts in the Johns Hopkins
community by a graduating
senior

Awarded to 7ill Diane Rafson

THE CURT P. RICHTER AWARD IN BEHAVIORAL BIOLOGY RESEARCH
In recognition of outstanding achievement in the David S.
Olton Behavioral Biology
Program
Awarded to Leah Corinne Engel

THE SARAH AND ADOLPH
ROSEMAN ACHIEVEMENT
AWARD
In recognition of outstanding
accomplishment in Chemistry
Jointly awarded to
Harry C. Fry
Mayk Hatcher

DIANE O'CONNOR SALAZAR AWARD For promise and accomplishments in Chemistry research Awarded to *Jill K. Danks* 

GERARD H. SCHLIMM AWARD For exceptional accomplishment by a student in Civil Engineering Awarded to *Erika Rose Stoddard* 

JULIAN C. STANLEY AWARD
For the undergraduate
Psychology major who most
closely approximates
Dr. Stanley's personal and
professional standards of
excellence
Awarded to David Nathan Young

ETE Z. SZÜTS UNDER-GRADUATE RESEARCH AWARD This award, named in honor of a Ph.D. graduate student from the Biophysics Department, provides funds for undergraduate research students in Biophysics to attend scholarly meetings with sponsoring departmental faculty. Awarded to Erin Bridget Purcell

ROBERT W. TUCKER AWARD For the most distinguished senior thesis in International Studies Iointly awarded to Suman Sureshbabu Nicole Alexandrea Nucelli

JULIUS TURNER PRIZE For the most distinguished senior thesis in Political Science Awarded to Stephen Brian Brauerman

JOHN BOSWELL WHITEHEAD AWARD

For outstanding achievements by an undergraduate in the Department of Electrical and Computer Engineering Awarded to Abigail Grace Witzemann

LOY WILKINSON AWARD For demonstrated record of academic excellence, leadership, and service in Chemical Engineering by a graduating

Awarded to Rashea McCall

## The Peabody Conservatory of Music

CLARA ASCHERFELD AWARD in accompanying Awarded to Dimitri Dover

MARIAN B. AND SAMUEL BERNSTEIN MEMORIAL PRIZE in opera Awarded to Laura Virella

MARTHA AND WILLIAM BILL MEMORIAL PRIZE in woodwinds: clarinet Jointly awarded to Ferome Fleg Patrick Maples

P. BRUCE BLAIR AWARD in composition Awarded to Paul Nelson

THE GEORGE CASTELLE MEMORIAL AWARD in voice Jointly awarded to Sarah Bennett Erin Cavanaugh Catrin Davies Jin-Young Jung Heather Lockard Joseph Regan Valerie Rogotzke Richard Weinberg Sheila Willey

ISRAEL DORMAN MEMORIAL AWARD in strings Awarded to Erin Eyles Espinoza

ANITA ERDMAN AWARD in opera Awarded to William Nicholas Hay

PAULINE FAVIN MEMORIAL AWARD in piano Jointly awarded to Jennifer Jackson Minah Kang Kristina Lobenhofer

SIDNEY FRIEDBERG PRIZE in chamber music Awarded to Julie Cooper

RICHARD FRANKO GOLDMAN PRIZE in performance Jointly awarded to Alan Carr Amanda Dusold Adrienne Foutz Sarah Hogan Katherine White

LILLIAN GUTMAN MEMORIAL PRIZE in piano Awarded to Shane Levesque

LYNN TAYLOR HEBDEN PRIZE in performance Jointly awarded to Akiko Sumi Brian Thompson

BRITTON JOHNSON MEMORIAL PRIZE in woodwinds: flute Awarded to Rando Kim

JOSEF KASPAR AWARD in strings: violin Awarded to Jennie Press

GUSTAV KLEMM AWARD in composition Awarded to Eric Slegowski

ROSE MARIE MILHOLLAND AWARD in piano Jointly awarded to Michael Sheppard Daniel Spiegel

ADA ARENS MORAWETZ MEMORIAL AWARD in composition Awarded to William Riesinger

OTTO ORTMANN AWARD in composition Awarded to Scott Petersen

OLGA VON HARTZ OWENS MEMORIAL PRIZE in strings Awarded to Solomon Guhl-Miller

HAROLD RANDOLPH PRIZE in performance Awarded to Svetoslav Stoyanov

RANDOLPH S. ROTHSCHILD AWARD in composition Awarded to Angel Lam

Francis M. Wentz Turner MEMORIAL PRIZE in piano Awarded to Daniel Wnukowski

J. C. VAN HULSTEYN AWARD in strings: violin Jointly awarded to Elizabeth Johnson Valerie Li

ANNIE WENTZ PRIZE in voice Awarded to James Richardson

FRANK D. WILLIS MEMORIAL PRIZE in composition Awarded to Jeffrey Lindon

GEORGE WOODHEAD PRIZE in voice Jointly awarded to Feremy Blossey Chi-Chun Chan William Martin Jessica Renfro

SARAH STULMAN ZIERLER PRIZE in accompanying Awarded to Nicholas Ong

#### The School of Nursing

**EMMA JONES BECKWITH** CULLEN AWARD In recognition of the highest standards of nursing practice and executive ability Awarded to Theresa Marie Coker

ELEANOR WADE CUSTER AWARD To a student who most successfully demonstrates initiative and creativity in improving the health of a community with sensitivity to one's fellow man Awarded to Sahar H. Al-Husseini

BETTY CUTHBERT AWARD To a student who demonstrates outstanding commitment and service to nursing and the University Jointly awarded to Kelly L. Anderson SheilaMarie Gilbert

THE MARY AND GRAINGER MARBURG AWARD In recognition of a student who consistently exhibits outstanding clinical nursing expertise Awarded to Megan Lynn Humphrey

ROBERT G. MERRICK AWARD To a student demonstrating outstanding leadership in the field of nursing Jointly awarded to Catherine Aileen Cox Katherine A. Kuhn

RUTH DALE OGILBY AWARD
In recognition of exceptional
academic performance in the
Master's program
Jointly awarded to
Jinae Lebua Selvey Arneklev
Patricia Bogan Dawson
Robyn E. Holley
Tanya Lynn Minich
Panla Ame Ibello Murray

EDNA SCHOEN MEMORIAL AWARD To a student demonstrating excellence in clinical practice Awarded to Stefanie Lynn DeFiglia

JOAN SUTTON AWARD
To a student demonstrating a strong dedication to professional nursing, clinical excellence, and interdisciplinary practice
Awarded to
Monica Rubeling Josey

ACADEMIC EXCELLENCE AWARD To a student whose academic performance has been judged to be outstanding Jointly awarded to Cherie Ann Fulk Ileen Rebecca Verble

RESEARCH AWARD
To a student demonstrating intellectual curiosity and creativity in nursing research Awarded to *Katherine Scott* 

CHURCH HOME AND HOSPITAL NURSING ALUMNAE AWARD Recognizes a student who best exemplifies a humanistic approach to nursing while integrating the art, science, and spirit of nursing Jointly awarded to Demetra Bastas Nathan Grant Whitman

THE JOHNS HOPKINS NURSES'
ALUMNI ASSOCIATION AWARD
Recognizes a student whose
leadership ability is combined
with clinical competence and an
inquiring mind
Jointly awarded to
Annika Lornell Hawkins
Anne Louise Rice

THE JOHNS HOPKINS NURSES'
ALUMNI ASSOCIATION AWARD
To a graduate student demonstrating expertise in professional nursing practice and patient centered health care delivery
Jointly awarded to
Filissa Marie Caserta
Robyn E. Holley
Ella Selwood Weinkle

SIGMA THETA TAU NU BETA CHAPTER AWARD To a graduate nursing student in recognition of superior academic achievement, creative scholarship, and research Jointly awarded to Brian Peter Cromer Jennifer Lynn Horner Sue Carol Verrillo

SINAI NURSES' ALUMNAE
ASSOCIATION OF SINAI
HOSPITAL, INC.
To a student who exhibits
enthusiasm, compassion, and a
positive approach to problem
solving in nursing
Jointly awarded to
John Eric Cranmer
Genevieve Lorraine Grotenhnis

LEADERSHIP AWARD

To a graduate nursing student demonstrating outstanding leadership in the field of nursing

Jointly awarded to

Patricia Bogan Dawson

Jason Edward Farley

#### The School of Professional Studies in Business and Education

DELTA SIGMA PI SCHOLARSHIP KEY In the Division of Business and Management for the highest grade point average in the undergraduate program Awarded to *Valerie Lynn Kolman* 

EDWARD J. STEGMAN, CPA, MEMORIAL AWARD
This award is presented each year to students who graduate with a 4.0 grade point average and receive a Master of Science in Business or a Master of Business Administration degree. Jointly awarded to Kevin Robert Bielat James L. Buehner
Benjamin Ward Moeling

DIANE TOBIN AWARD
Awarded annually to an
outstanding alumna/us in
education and to an outstanding
student in General Education
or the Master of Arts in
Teaching Program
Awarded to Jenny Elena Harvey

Wall Street Journal Award In the Division of Business and Management for outstanding scholarship in the undergraduate programs and exceptional promise of future success Awarded to Elizabeth Ann Drumgoole BACHELOR OF SCIENCE IN INTERDISCIPLINARY STUDIES AWARD FOR HUMANITIES Awarded to Angela Marie Balze

INTERDISCIPLINARY STUDIES AWARD IN SOCIAL SCIENCE Awarded to Eric Bergeim Schneider

DEAN'S AWARD FOR SUSTAINED EXCELLENCE
Awarded to Cynthia L. Hubbard

INFORMATION SYSTEMS AWARD Awarded to Diane LeMieux Zook

THE HENRY STRONG DENISON

#### The School of Medicine

SCHOLARSHIP The Henry Strong Denison Fund for Medical Research in memory of Henry Strong Denison, M.D., 1908, is used for the specific purpose of aiding in the training for research of young people deemed by the Medical Faculty to be especially gifted for a career in medical investigation. Jointly awarded to Min Peter Kim, 2002-2003 Walter Gwang Up Park-2001-2002 Travis Sean Tierney, 2001-2002

THE PAUL EHRLICH RESEARCH AWARDS
The Paul Ehrlich Awards were established to honor Dr. Paul Ehrlich with funding originally granted by Dr. Emmanuel Libman. The awards, which recognize student research contributions, are presented each year at Young Investigators' Day.
Awarded to Min Peter Kim

THE SOL GOLDMAN AWARD The Sol Goldman Award is given annually to a Johns Hopkins medical student who is recognized by the faculty of the Department of Medicine, Division of Geriatric Medicine and Gerontology, for excellence in geriatrics and for exceptional sensitivity to older patients. This award is made possible by an endowment given by the family of Sol Goldman to perpetuate an interest in and commitment to geriatric medicine and gerontology among medical students. Jointly awarded to Ziad Fonad Gellad Rita Rastogi

HAROLD LAMPORT BIOMEDICAL RESEARCH PRIZE
This prize, established by the Lamport Foundation, honors the memory of Dr. Harold Lamport, a distinguished investigator. The prize recognizes research contributions.

Jointly awarded to James Van Rensselaer Hnnt Freeman, 2001–2002
Tang Ho, 2002–2003
Rita Rastogi, 2002–2003
Anandi Nayan Sheth, 2002–2003

THE DAVID ISRAEL MACHT
RESEARCH AWARD
The David Israel Macht
Research Prize was established
in 1983 by the family of
Dr. Macht to commemorate the
centenary of his birth. Dr.
Macht was a member of the
faculty of the Departments of
Pharmacology and Medicine in
the early part of this century
and was a pioneer investigator
in the field of opiate alkaloids.
The prize is intended to
recognize excellence in

investigation by a student in the School of Medicine. Jointly awarded to Dennis Lonis Barbonr, 2002–2003 Maurice Anthony Smith, 1999–2000 Carlo Giovanni Traverso, 2001–2002

THE MARTIN AND CAROL MACHT RESEARCH AWARD The Martin and Carol Macht Research Prize is awarded to a doctoral candidate whose research evidences elegance in science, originality in thought, and creativity in approach. The prize was made possible by a donation from the Machts of Cincinnati, Ohio. Martin Macht, who earned his medical degree and doctorate at Hopkins, is a professor of medicine and psychiatry at the University of Cincinnati. Carol Macht holds a doctorate in fine arts and archaeology. Awarded to Debra Lynn Silver

THE FRANKLIN PAINE MALL
PRIZE IN ANATOMY
The Franklin Paine Mall Prize
in Anatomy established by Dr.
Miley B. Wesson, an alumnus
of the School of Medicine, is
given in the name of Franklin
Paine Mall, the first professor
of Anatomy in the School of
Medicine.
Awarded to
David James Kaczorowski,
1998–99

THE HANS JOAQUIM
PROCHASKA RESEARCH PRIZE
The Hans Joaquim Prochaska
Research Prize was established
in 1998 to honor outstanding
discovery by a student in the
School of Medicine.
Awarded to
Siew Loon Ooi, 2001–2002

MICHAEL A. SHANOFF RESEARCH AWARD The award is made annually to a student for significant research contribution in the medical sciences. The award is made possible by a bequest from the family and friends of the late Dr. Michael A. Shanoff, who earned his undergraduate degree and M.D. and Ph.D. degrees from The Johns Hopkins University. Jointly awarded to Pamela Ann Frischmeyer-Gnerrerio, 2001-2002 Gregory Joseph Gatto Jr., 2000-2001

THE ALICIA SHOWALTER
REYNOLDS RESEARCH AWARD
This award was created by the
School of Medicine Dean's
Office in 1996, to honor the
memory of Alicia Showalter
Reynolds, a Ph.D. student in
the Department of Pharmacology and Molecular Sciences
from 1992 until her untimely
death in 1996. It is given in
recognition of contributions to
research undertaken by a Ph.D.
candidate in the School of
Medicine.

Awarded to Wei Lu, 2001-2002

THE METTE STRAND RESEARCH AWARD The Mette Strand Research Prize was established in 1998 as an enduring legacy to graduate education and to honor the contributions to science and education made by Dr. Strand as a professor of pharmacology and molecular sciences from 1977 until her untimely death in 1997. The award is made possible by the generous contributions of her colleagues and friends as a tribute to her contribution to humanity in the quest for a vaccine against schistosomiasis, her unvielding devotion to science, and her role in the training of a

generation of graduate students of this institution. Jointly awarded to Emily Corse, 2001–2002 Senng-Jae Lee, 2002–2003 Laura Kim Richman, 1999–2000

NUPUR DINESH THEKDI RESEARCH AWARD This award was established in 2002 to honor the memory of Nupur Dinesh Thekdi, an M.D./Ph.D. student in the School of Medicine from 1996 until his untimely death in 2001. The award was made possible by the generous contributions of his family and friends and is given to honor outstanding research contributions made by a student in the School of Medicine. Awarded to Jennifer A. Hackett

THE W. BARRY WOOD
STUDENT RESEARCH AWARD
The W. Barry Wood Student
Research Award recognizes
present commitment and future
promise in research.
Awarded to
Troy Donovan Woodard,
2001–2002

# The Bloomberg School of Public Health

THE RANDY E. BASS AWARD
To an outstanding occupational
medicine resident
Awarded to
Lenworth Ransford
St. Christopher Ellis

RUTH B. AND J. DOUGLAS
COLMAN SCHOLARSHIP
To an outstanding preventive
medicine resident
Awarded to
Richard Lewis Dressler

LOUIS I. DUBLIN AND THOMAS D. DUBLIN FUND FOR THE ADVANCEMENT OF EPIDEMIOLOGY AND BIOSTATISTICS
To support graduate student education at the junction of biostatistics and epidemiology Awarded to Laura Jean Podewils

THE GLAXOSMITHKLINE
PREVENTIVE MEDICINE
RESIDENCY SCHOLARSHIP
To an outstanding preventive
medicine resident
Awarded to
Suchita Avinash Lorick

THE HAROLD AND SYLVIA HALPERT ENDOWMENT FUND To recognize achievement and potential to contribute to the field of mental hygiene Awarded to *Holly C. Wilcox* 

THE PAUL A. AND C. ESTHER HARPER AWARD IN POPULATION AND FAMILY HEALTH SCIENCES
To a graduating student in Population and Family Health Sciences to recognize academic excellence and achievement Jointly awarded to Courtney Denning Johnson Elizabeth Fussell Racine

THE MORTON KRAMER FUND FOR THE APPLICATION OF BIOSTATISTICS AND EPIDEMIOLOGY IN RESEARCH ON THE PREVENTION AND CONTROL OF MENTAL DISORDERS
To an outstanding doctoral student dedicated to advancing knowledge of the epidemiology and prevention of mental disorders
Awarded to Chuan-Yu Chen

THE MARGARET MERRELL FUND To a Biostatistics doctoral student in recognition of outstanding research Awarded to *Natalie Jean Blades* 

THE MINORITY HEALTH AWARD To recognize a demonstrated commitment to minority health issues Awarded to Lara Shiu-yi Ho

DAVID PATON SCHOLARSHIP IN PREVENTIVE MEDICINE To a general preventive medicine resident Awarded to Joseph Aaron Sliman

THE GENERAL PREVENTIVE
MEDICINE RESIDENCY
ENDOWMENT
To an outstanding general
preventive medicine resident
Awarded to
Meenakshi Ramakrishnan

THE NANCY STEPHENS
STUDENT SUPPORT FUND
To assist graduating students in completing the final preparations for their degrees
Awarded to Julia Ann Rebwinkel

THE JOHN P. YOUNG
MEMORIAL FUND
To an outstanding graduating student in the Division of Health Finance and
Management in the
Department of Health Policy and Management
Awarded to Rebecca Cole Skiles

# The Paul H. Nitze School of Advanced International Studies

WILLIAM C. FOSTER AWARD To a second-year student for sound scholarship and a record of leadership and distinguished service to SAIS exemplary of the high qualities of integrity, loyalty, and ability admired in Mr. Foster lointly awarded to Dorthe Bakke Katharine Bernsohn Steven Eisele Sophie Haspeslagh Helen Lewis Steven Lynagh Kelli Mullen David Quayat

CHRISTIAN A. HERTER
ACADEMIC AWARD
To the member of the secondyear class with the most
outstanding record during the
first year
Awarded to
Helen Lewis
Tim Reid

## HONOR SOCIETIES

#### Phi Beta Kappa

Phi Beta Kappa is the nation's oldest and most prestigious undergraduate honors organization. To gain election students must have excelled in a broad array of undergraduate courses in the arts and sciences offered at one of the 249 colleges and universities in the United States that are sufficiently rigorous and intellectually challenging to shelter a Phi Beta Kappa chapter, which was founded at the College of William and Mary in 1776. The Hopkins chapter was founded in 1895.

From the Senior Class in The Zanvyl Krieger School of Arts and Sciences Elected in 2003

Amy E. Abdallah Cheryl Ann Adackapara Kevin Dennis Alford Ruth Aslan Raymond C. Banz Olga Elena Bashbush Martinez Elisabeth Lyn Breese Kelsey C. Brodsho Christopher Michael Celano Kelvin Chan James Chang Betsy Brewster Clark Sarah Elizabeth Cleffi Christina Marie Coleman Colleen Anne Covne Priti Sharad Dalal Lily Naz Daniali Mahnu Vijay Davar Shannon Lee Dean David Elliott DeBruin Nicolas Thierry Faas Nicole Marie Ficere Debra Slott Fisher Alexandra Georgianna Foote-Jones Thomas Jonathan Foutz Brian Wallace Frank Joshua Charles Franklin Emily Elizabeth Garrison

Sarah Beddow Gibson

Paul Gosling Shilpy Goswami Robert Frederick Groff Cullen Welles Guilmartin Inga Gurevich Julie Marie Gwiazdowski Joshua Leigh Haber Richard Jeremy Hagerman Carolyn Elizabeth Henry David Anton Hess Jessica Tasheri Hoffmeier Sha Hua Nancy Wei-Ling Huang Margaret M. Hurwitz Sheila Isanaka John Andrew Izzo Raya Jarawan Andrew Carey Joiner Joann Kang David Alexander Katz Jocelyn Kelly Vivian Hae Won Kim Nikhil Kirtane Ahnika Sarah Kline Paul Aarne Koljonen Dave Sam Kotlvar Jessica Pauline Kronish Matthew Vinciguerra Kroot Yaa Aboagyewa Kumah Sheila Kumar Tsunvin Bert Lai Jennifer Nicole Larson Changwon Lee Peter John Leibman Jack Zheng Li Jonathan Lissauer Glen Nelson Mackey Mary Anne Madeira Rajeev Mahajan Martin Justin Marks Skye Akash McFarlane Jill Elizabeth Minger Avner Ezra Mizrahi Amelia Paige Morris David Richard Morrow Kiran Motaparthi Meera Mohan Nair Nicole Alexandrea Nucelli Peter Paul Oberg Justine Claire Olin James Reynolds Parks Aaron Jacob Parnes Rosalyn Hong-Nhung Pham

Solmaz Pirzadeh

Sarah A. Placella Aurora R. Porter Laurie Elizabeth Power Iill Diane Rafson Conor Adams Reidy Sonya Castillo Ribovich Elise Julia Roecker Caroline Morrow Saffer Eli Salomon Jennifer Rose Schutz Amy Suresh Shah Arun Sharma Kiran Sheikh Ashley Brooke Shepler David William Silver Iina Sohn Ivan Forst Sperber Michael J. Spratt David Wesley Strong Theodore Jeen Sung Suman Sureshbabu Gary William Swain Vinita Takiar Khoi Duc Than John Vincent Tiberi Ryan Christopher Todd Minghan Leo Tsay Lisa S. Vara-Gulmez Irving E. Wang Flora Thomas Ward Meredith Carroll Ward Emily Anne Wentzell Travis Benjamin Wilds Victoria Ruth Winter Lv-Lan Tran Wisler Matthew Adam Wolf Jerry Tse-Wei Wu Jonathan Li Yao Edwina Ho Yeung Inna Zaychik

FROM THE SENIOR CLASS IN THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES ELECTED IN 2002

Helen Mary Bayer Alice Patricia Bridgeman Jeremiah James Crim Shekar Ligia Davarya Nicole Lynne Gross Brady Laurencell Hatch David Michael Lofthus Michael Ya-Wei Lu Jessica Celia Myers Nickolas B. Naquin Ka Ming Gordon Ngai Jennifer Marie Poti Erin Bridget Purcell Zhao Ying Pearline Teo Shane Daughtrey Trask Sean Michael Tulin David Nathan Young

FROM THE SENIOR CLASS IN THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES ELECTED IN 2001

Jonie Jen-Yu Hsiao Joseph Chun-Fu Huang Rebecca Angela Nardi Daniel Lawrence Spiegel

FROM THE PH.D. CANDIDATES IN THE BLOOMBERG SCHOOL OF PUBLIC HEALTH

Sekhar Bonu
Ding-Cheng Chan
Chuan-Yu Chen
Jean-Paul Chretien
Gregory Dale Kirk
David Jean Laflamme
Juan Antonio Quiel Esposito
Eric Gilles Sarriot
Gromoslaw Aleksander Smolen

FROM THE PAUL H. NITZE SCHOOL OF ADVANCED INTERNATIONAL STUDIES

Gregor Collins Feige Avi Joseph Hakim Dennis Danai Kitt Jeffrey Jacob Raider

FROM THE M.D. CANDIDATES IN THE SCHOOL OF MEDICINE

Heather Ann McClung Daniel William Mudrick Michelle Elaine Tarver-Carr Travis Sean Tierney

FROM THE PH.D. CANDIDATES IN THE SCHOOL OF MEDICINE

Chih-Ling Chou Xiaoling Li Yong Ma

## Woodrow Wilson Undergraduate Research Fellowship Program

Unique to Johns Hopkins University, the Woodrow Wilson Undergraduate Research Fellowship Program, founded in 1999, offers a select group of undergraduates in the Krieger School of Arts and Sciences the opportunity to explore new avenues of inquiry alongside and with the guidance of scholar-teacher mentors whose own research is at the cutting edge of their disciplines. Selection of Fellows is based on academic merit and the strength of applicants' proposals for independent research. Students have the Fellowship for the entire length of their undergraduate careers.

The following members of the graduating class have been Woodrow Wilson Fellows.

Ruthie Aslan Heather Marie Campbell Manisha Chaudhry Philip G. Chiu Lily Naz Daniali Noel Sixto dela Rosa de Santos Debra Slott Fisher Abby Erin Grossberg Julie Marie Gwiazdowski Kristopher Jan Jansma Niall Carrigan Keleher Abigail Lynn McGuirk Sean Pattap Alka Pradhan Daniel Rudolph Redman Robin E. Schilling Kiran Sheikh Jonathan Lev Snow Vinita Takiar Khoi Duc Than Brian Evan Udoff Sumeet Vadera Flora Ward **Emily Anne Wentzell** Travis Benjamin Wilds

#### Tau Beta Pi National Engineering Honor Society

FROM THE SENIOR CLASS IN THE G.W.C. WHITING SCHOOL OF ENGINEERING

#### ELECTED 2003

**Iennifer Nadine Abras** 

Rvan A. Austin Allison Ruth Barker Gautam Baskaran John Peder Berg Sharon Molly Betz Jessica Bickel Michael Anthony Cascioli II Ryan Wallace Caudy Charles Chiang Kenny Hwee Seong Ching Christy Ann Comeaux John Bruce Cramp III Charles Sumner Crow IV Darren Craig Davis Adam Christopher Dziorny Alexander Charles Egeler Manish Kantilal Gala Wei-Hsien Hou Leslie Lie-Sien Huang Stanley Huang Linda Jan Eugene Jiang Ravi Raja Kavasery I-Jean Khoo Hyung-Do Kim William Wei-Kai Lao Kyong Ae Lee Navoung Lee Paul C. Lee Huay Wen Lim Lee Lin Shasha Liu Thomas Peter Lozito Michael Enliu Luc Steven Matsumoto Svetlana V. Minina Nima Naghshineh Babak Nazer Trang Kim Nguyen Ryan Patrick Nolan Oliver Timothy Oberg Pamela Pen-Erh Pei David Ploskonka Gregory Karl Raiten Aaron Michael Sacks Christian Michael Sauer Akhil Kumar Seth

John Gregory Stoneham William Tam Michael James Taylor Siavash Vaziri Andres Vogel Xiadou Wang Abigail Grace Witzemann Aimee Inzu Wu Keenan Alexander Wyrobek Jing Zeng

#### Alpha Omega Alpha Honor Medical Society

The Alpha Chapter of Maryland was established in 1906 at The Johns Hopkins University School of Medicine. Medical students with outstanding records are elected to membership in their senior year. The following members of the graduating class have been elected to membership in Alpha Omega Alpha:

Brian Burgess Chesebro Amy Colleen Drake James Louis Frazier Gregory Joseph Gatto Ir. David Joseph Hernandez Jeremy Slade Hubbard Colleen Joy Johnson David James Kaczorowski Erica Ann Kaiser Daniel William Mudrick Matthew Robert Pipeling Christian Thomas Ruff Matthew Charles Schwartz Garrick Colin Stewart Michelle Elaine Tarver-Carr Travis Sean Tierney Ami Shreenivas Vasanawala Hadley Merrideth Wood

## Delta Omega National Public Health Honor Society

Katherine Maria
Andrinopoulos
Christine Marie Arcari
Sekhar Bonu
Amy Lynne Boore
Kerry Lee Bruce
Jessica Griffin Burke

Ding-Cheng Chan Allen Ray Sing Chen Jean-Paul Chretien Colleen Jo Cooper Karen Fortuin Corsi Diana H. DerKoorkanian Diane Lynn Francisco Elizabeth P. Grant Michael Edward Green Brendan Edward Hanley Rachel Park Haws Lara Shiu-vi Ho Natalie Frances Holt Richard David Kayne Peyvand Khaleghian Hannah Nalwanga Kibuuka Tracy Meicha King Ellen Jemmie Lee Amy Elizabeth Lewis Jeremy F. Lim Suchita Avinash Lorick Susan Carney Lynch Eric Michael Maiese Michael G. Mair Beth Renée Dail Marshall Heather Leigh Moran Laura Ann Novelli Nuriye Ortayli Eric E. Ramirez Jean Elizabeth Rinaldo Dana Elise Maher Rollison Gabriel Eduardo Ryb Aaron Miles Samuels Roopina Sangha Jason William Sapsin Albert Peter Sarno Eric Gilles Sarriot Rakesh Sarwal Ajay Kumar Sethi Eugene Jin-wen Shum Julie Rae Sinclair Joseph Aaron Sliman Gromoslaw Aleksander Smolen Janet Kathleen Smylie Rassamee Tansirisithikul Kiran Kalyan Turaga Douglas Mark Van Zoeren Jeanne Marie Warfield Kristin M. Wilson

Dawn Marie Carlson

## Sigma Theta Tau International Honor Society of Nursing

The following doctoral students are members of Sigma Theta Tau

Patricia J. Horgas

The following graduate students are members of Sigma Theta Tau

Tracy A. Agee Raymond R. Blush III Rachel B. Breman Dawn Marie Moskal Brown Eva K. Chen Mara Lynn Clamage Patricia Bogan Dawson Anna L. Gray Nancy E. Holmes Keri L. Hyde Georganne R. Jambeter Joanna Lynn Katz Melanie Michel Tara Morisseau-Lerov Momplaisir Tricia L. Oldershaw Modupe Oleru Hyun Jeong Park Lori M. Reichard Elizabeth A. Richardson Jennifer C. Rickard Roxanne Rebecca Royce Kimberly R. Schultz Lisa Shindle Rebekah S. Trimble Renay D. Tyler Maryke Van Leeuwen Sue Carol Verrillo Jennifer M. Weil Christine M. West Mary A. Wippel

The following undergraduate students are members of Sigma Theta Tau

Donna H. Yanusz

Veda Orlova Yonehiro

Kelly L. Anderson Mary Margaret Baron Demetra Bastas Andrew Robert Benson Rachel Layne Bullen Rachel Lindsay Burt Sara Anne Roberts Carleton

Cindy C. Chan Theresa Marie Coker John Eric Cranmer Jennifer Ellen Danielson Stefanie Lynn DeFiglia Cara Eileen Endyke-Doran Bethany Joy Frazier Kathleen Marie Gabriel SheilaMarie Gilbert Bayla Rachel Goldenberg Amy Caryn Haimovitz Jennifer Michelle Helzer Julie Lynn Hermanson Colleen Patricia Herten Jocelyn Lorene Hilke Jaime Lynn Horstman Jill Kyle Ibex Amanda Maria Jones Christine Elizabeth Joyce Kimberly J. Karli Katherine A. Kuhn Kristen Marie MacIntyre Anne Elizabeth Marks Lori Rachelle Marso Cayley Anne Martin Allison May McIntyre Lisa Marie Meek Christine Roberta Metzgar Stacev Elizabeth Mondoux Alexandra Talbott Morrel Rachel Sybille Muller Danielle Sara Murray Sherry Marie Pikul Cindy Lee Presler Josaiah Chia-Pin Pun Anne Louise Rice Andrea Arta Rilev Clara Marie Roy Stacey Ann Schaub Laura R. Schwartz Heather Ann Scott Sherry Angela Shook Carina Celeste Sonberg Allison Elizabeth Stackhouse Elizabeth Ann Staton Dana Marie Traver Ileen Rebecca Verble Jenna Nicole Ward Kristin Elaine Warner Celine Nicole Waterman Sara Katherine Weaver

Edwina Victoria Zant

Honor Societies for the School of Professional Studies in Business and Education

Alpha Sigma Lambda Alpha Sigma Lambda is a national honor society for undergraduates in continuing higher education and is dedicated to the advancement of scholarship and leadership. Membership in the Theta Omicron Chapter is open to matriculated undergraduates who have attended the School of Professional Studies in Business and Education for at least four semesters and have completed at least 30 credits in the School of Professional Studies in Business and Education with a 3.2 grade point average.

The following members of the graduating class are members of Alpha Sigma Lambda:

Angela Marie Balzé Ravi Kumar Bansal Carl Marshall Burnett Jeannette M. Castronova Donna Jean Cooper Macia LaVon Fletcher Martin Friedman Lan Huong Nguyen Hoang Loretta Ingrid Hoepfner Danita Lynn Ingram Adegbengo Michael Koleosho Valerie Lynn Kolman Gregory Matthews Daniel Joseph Miller Melodie Lynn Ochs Michele Therese Peyton Danielle Marie Rollison Eric Bergeim Schneider Melina Rania Tsantis Karen Lynn Taylor Yanting Zhu

#### Delta Sigma Pi

The Delta Sigma Pi, Chi Chapter, established in 1922, sponsors professional, social, and community service activities, as well as regional and national Delta Sigma Pi conferences. Upon graduation, Delta Sigs may continue their participation through the Baltimore Alumni Chapter, one of the oldest and largest alumni chapters in the country.

The following members of the graduating class are members of Delta Sigma Pi:

R. Wayne Brown Todd A. Carpenter Kimberly C. Hammond James Edward Harvey

# HONORS

General University Honors
General University Honors
were determined at the end of
March 2003 for students who
had achieved a cumulative
Johns Hopkins University
G.P.A. of 3.5 or higher.
Students earning this honor at
the end of the spring 2003
semester will have that
notation placed on their final
transcripts.

Baccalaureate Candidates Graduating with General Honors

The Zanvyl Krieger School of Arts and Sciences

Amy Eman Abdallah Cheryl Ann Adackapara Hannah Elizabeth Adams Marisa Rachel Adelman Gaurav Agarwal Kevin Dennis Alford Ruthie Aslan Darren Dwight Ballard Raymond Charles Banz Helen Mary Bayer Bryan Stephen Benn Ami Bhatt Allison Celia Bienkowski Chanda Boylen Elisabeth Lyn Breese Alice Patricia Bridgeman Daniel John Brienza Kelsey C. Brodsho Cengiz Mehmet Çakmak Nicole Banister Carman Christopher M. Celano Ravinond Liu Chai Kelvin Chan Irene Ai-Lin Chang Alice Chung-Ann Chen Hsiuen Chen Jason Anthony Chua Betsy Brewster Clark Sarah Elizabeth Cleffi Jill Rene Clem Christina Marie Coleman

Sarita Sau Lin Corn

Colleen Anne Coyne

Jeremiah James Crim Priti Sharad Dalal Lily Naz Daniali Senchal Marie Dashiell Mahnu Vijay Davar Shekar Ligia DavaryaDavid Elliot De Bruin Noel Sixto Iose de Santos dela Rosa Shannon Lee Dean Sheetal Jessica Dingrani Leonid Dubrovsky Erica Jane Eisenhart Hannah Michelle Eucker Nicolas Thierry Faas Jing Feng Nicole Marie Ficere John Barrington Fischer Debra Slott Fisher Alexandra Georgianna Foote-Jones Thomas Jonathan Foutz

Brian Wallace Frank Ioshua Charles Franklin Michael Adam Furman Emily Elizabeth Garrison Sarah Beddow Gibson Jacob Michael Gilbert Paul Gosling Shilpy Goswami Melissa Gayle Grober Robert Frederick Groff IV Nicole Lynne Gross Amy Diane Guertin Cullen Welles Guilmartin Inga Gurevich Eric Daegwon Ha Joshua Leigh Haber Richard Jeremy Hagerman Valle Elizabeth Hansen Rachel Julia Hare Carolyn Elizabeth Henry David Anton Hess Megan Elizabeth Hiorth Mark William Hodgins Ionie Jen-Yu Hsiao Sha Hua Chun Fu Huang Nancy Wei-Ling Huang Margaret Mead Hurwitz Maria del Mar Ingaramo Sheila Isanaka John Andrew Izzo

Jennifer Leland Jackson Raya Jarawan Caelan Mary Johnson Andrew Carey Joiner Joann Hye Yun Kang Ganga Hasini Karunamuni David Alexander Katz Niall C. Keleher Seher Khawaja Babar Khokhar Vivian Hae Won Kim Nikhil Prafulla Kirtane Ahnika Sarah Kline Hilary Lynn Knipe Paul Aarne Koljonen Alexandra Kondratiuk Seth Ioshua Korman David Sam Kotlyar Jessica Pauline Kronish Matthew Vinciguerra Kroot Yaa Aboagyewa Kumah Sheila Kumar Stanley Kwieciak III Tsun-yin Bert Lai Jennifer Nicole Larson Aurela Wing Yan Lee Hyun-Bum Lee David Anthony Lefcourt Peter John Leibman Jack Zheng Li Rosalinda Carmen Licona Swee Yang Lim Janice Chi-Ying Lin Ionathan Lissauer David Michael Lofthus Michael Ya-Wei Lu Glen Nelson Mackey Mary Anne Madeira Aysel Zeynep Madra Rajeev Mahajan Martin Justin Marks Emily Bittlingmaier Martin Skye Heather McFarlane Jill Elizabeth Minger Avner Ezra Mizrahi Amelia Paige Morris David Richard Morrow Kiran Motaparthi Brendan Christopher Mullaney Jessica Celia Myers Meera Mohan Nair Nicholas B. Naquin Rebecca Angela Nardi

Ka Ming Gordon Ngai Brandom Roy Nielsen Nicole Alexandrea Nucelli Peter Paul Thunder Oberg Marisa Anne O'Brien Justine Claire Olin Elizabeth Parrish Owens James Reynolds Parks Aaron Jacob Parnes Sean Benjamin Pattap Rosalyn Hong-Nhung N. Pham Solmaz Pirzadeh Sarah Anne Placella Marcel Gayler Poisot Aurora Rebecca Porter Laurie Elizabeth Power Erin Bridget Purcell Jill Diane Rafson Raghuram Krishna Rao Daniel Rudolph Redman Conor Adams Reidy Sonya Castillo Ribovich John Patrick Rice Elise Julia Roecker Caroline Morrow Saffer Eli Salomon Korak Sarkar Iulia Rose Schiesel Seth Franklin Schinfeld Jennifer R. Schutz Amy Suresh Shah Arun Sharma Kiran Sheikh Ashley Brooke Shepler Ingrid Louise Shields David William Silver Shannon Aimee Slater Aidan Jeffrey Smith Alison Elizabeth Smith Stephanie Javne Smudde Jonathan Lev Snow Iina Sohn Michael David Spector Ivan Forst Sperber Daniel Lawrence Spiegel Michael John Spratt David Wesley Strong Theodore Jeen Sung Suman Sureshbabu Gary William Swain Jr. Zhao Ying Pearline Teo Florence-Marie Anne Baya Tiar John Vincent Tiberi

Ryan Christopher Todd **Judith Winifred Tomkins** Shane Daughtrey Trask Minghan Leo Tsay Sumeet Vadera Lisa Shenay Vara-Gulmez Irving E. Wang Meredith Carroll Ward Emily Anne Wentzell Travis Benjamin Wilds Brian Jeremy Williams Ly-Lan Tran Wisler Ionathan Li Yao Dustin Yung Yoon David Nathan Young Inna Zavchik Liyu Jessica Zhou

#### Baccalaureate Candidates Graduating with General Honors

# The G.W.C. Whiting School of Engineering

Jennifer Nadine Abras Avushi Ahuja Jesse Daniel Allum Charalambos Jean Antoniou Ryan A. Austin Allison Ruth Barker Gautam Baskaran Sira Bencharit John Peder Berg Sharon Molly Betz Daniel Paul Brzozowski Michael Anthony Cascioli II Ryan Wallace Caudy Mindao Alexander Chen Charles Chiang Kenny Hwee Seong Ching Philip G. Chiu Christy Ann Comeaux John Bruce Cramp III Charles Sumner Crow IV Kathleen Mary Darling Michael D. David Simon William Dawson Karina Decker Adam Christopher Dziorny Alexander Charles Egeler Robert Li-Tai Fan Toni Wynn Forrest Manish Kantilal Gala Alessandro Daniel Geist Benjamin N. Gray

Wei-Hsien Hou Irene Joann Hsu Leslie Li-Sien Huang Stanley Huang Linda Jan Praveen Kankanala Ravi Raja Kavasery Peter Charles Keeler I-Jean Khoo Hvung-Do Kim William Wei-Kai Lao Hyukjin Lee Navoung Lee Paul C. Lee Huay Wen Lim Shawn C. Liu Thomas Peter Lozito Michael Enliu Luc Michael Mattozzi Svetlana V. Minina Babak Nazer Trang Kim Nguyen Ryan Patrick Nolan Oliver Timothy Oberg John Aaron Onofrey Thurein Soe Paing Pamela Pen-Erh Pei Sarah Elizabeth Pesek Gregory Karl Raiten Melanie Anne Ruffner Aaron Michael Sacks Christian Michael Sauer Eric Michael Schenfeld Akhil Kumar Seth John Gregory Stoneham Martin Y. Tabaksblat Ryan Charles Tabone William Tam Michael James Taylor Aaron Miruri Thegeya Siavash Vaziri Minh Nguyen Vo Andres Vogel Thomas Tien-Yau Wang Xiaodu Wang Carolyn Ann Williams Abigail Grace Witzemann Aimee Inzu Wu Keenan Alexander Wyrobeck Eugene Richard Yum Jing Zeng Jie Zheng

## The Part-Time Programs in Engineering and Applied Science

Brian Drew Wisotzkey

#### Masters Candidates Graduating with General Honors

#### The Part-Time Programs in Engineering and Applied Science

Ashwini Agrawal George Louis Alberti Robert H. Andreo Arlene Rita Antonicelli Evan Michael Atkinson Kevin Robert Barrett David Alan Baumler Douglas Strafford Belvin Ravinder Bhatia Lily Tou Birmingham Mark David Bittenbender Carl Kenneth Bond Wade Michael Brandt Kyle R. Bryant Joseph Andrew Buttner Christopher Michael Buziak Matthew Robert Cardillo David Gene Chandler Shaoguang Chen Olga Cherenkov Ravinder Chugh Michael Thomas Clark John Patrick Clements Daniel Aaron Cline Elliot Howard Cohen Donald Paul Cole Anthony Tyrone Collins John David Cordone Iennifer Kathleen Curran Shawn Edward Cuthbertson Julie Ann Delaney Nimish Bhasker Desai Timothy John Dickens Lorraine Marie Dodson Margie Ann Drazba Todd Mason Evans Eric Ray Farmer Jeanne Ellen Frazier Charles Rudolf Frohlich Charles Paul Gamble John Nikolas Garifalos Jonathan Zane Gehman

Jeffery R. Glenn Scott Alan Godwin Frederic Carl Goldhammer Sunita Gopalani Roger Dale Heinken David Michael Hieb Tina Marie Higgins Tracy Adrian Hill Arthur William Hinaman Jess Frederick Hottenstein Brian Edward Howard Xiaomin Huang Stephen Robert Hutchinson Anil Jain Phillip Jakobsberg Saritha Jasti Jeremy Eugene Jones Aaron Katz William Andrew Kenney Peter Franz Kilger Scott Sanghyun Kim Bruce Eliot Knepper Patrick E. Kopf Jean Marcel LeBlanc Craig Thomas Lewis Joseph Anthony McGroarty Timothy Edward Meeks Kimberly Burt Morgan David Alan Moston James Randolph Mumaw Sean Patrick Murphy Jonah Samuel Myerberg Lisa Kimberly Myers Praveen Nagpure Mark Alan Nester Tuan Dinh Nguyen Jeremy Harris Nieporent Patrick Stafford Norton Kenneth Bruce Oettle Erica Ortiz Annand Sivaram Palassery Seema Vishram Pandit Matthew Paradise Kian Parsee Timothy John Paulin Patrick Robert Perusse David Clayton Peters Jason Raymond Plowman Michael Willis Powell Antonio Bruno Primerano Igor A. Radov Srinivasa Raju Rallabandi Galiaruna Reddy Stephanie Suzanne Robertson Walter Leo Scanlan John Leo Schwendeman

Frances C Scilipoti Michael David Sharkey Michael Jude Sheehan Abhishek Ranjan Singh Iason Kenn Smith Ryan Lee Solomon Shawn Dayman Sparks Vincent Russell St. George Christopher W. Steiling **Jason Anthony Stipes** William Cade Stratton John Shannon Eugene Szakmeister Ashique Tanveer Benjamin Justin Teich Ionathan David Theel Timothy Rodrick Thomas Jeffrey Howard Thorn Prabhakar Thyagarajan Kristan Bechtel Uebersax Ioaquin Urbina Pieter Russell van der Veer John Patrcik Van Hooser Jay Nicholas Vizgaitis Eliezer B. Wainhaus Carol Laverne Walters Charles Darren Walton Jeffrey Lee Warner Heath Elkington Warren Christopher Scott Weaver George Meredith Wheeler Robert Alan Windham Henry Joseph Wisneski Jeffrey Wayne Wolfe Yui Kwan Wong Lee Howard Wyckoff Laura Lynn Zeafla Qing Zhang Yi Zhang Wenyan Zhong Mark Zusman

Baccalaureate Candidates Graduating with Departmental Honors

The Zanvyl Krieger School of Arts and Sciences

Hannah Elizabeth Adams, International Studies Marisa Adelman, Neuroscience Gaurav Agarwal, Chemistry Kevin Dennis Alford, Chemistry and History Sharon Bailey, Political Science Darren Dwight Ballard, Biology Helen Mary Bayer, History of Art Allison Celia Bienkowski, History of Art Vehbi Geray Bilimer, Anthropology Stephen Brian Brauerman, Political Science Alice Patricia Bridgeman, Biophysics Elizabeth Lyn Breese, Neuroscience Amy Jean Brokl, History of Art Nicole Banister Carmen,

General Engineering Raymond Liu Chai, Biology Irene Ai-Lin Chang, Neuroscience

Julie Younghee Cho, Biophysics Michelle Yeo Cho, Biology Sung-Won Cho, Neuroscience Gunjan Choudhary, Biology Jason Anthony Chua, International Studies Jill Rene Clem, French Sarita Sau Lin Corn, French

History Jessica Suzanne D'Amico,

Courtney Lynne Cromwell,

Shekar Ligia Davarya, Biology Shannon Lee Dean,

Neuroscience

David Elliot De Bruin, Psychology

Charles A.P. Donefer, Political Science

Leonid Dubrovsky, Biophysics Hannah Michelle Eucker,

Physics

Nicole Marie Ficere, History Katherine Lee Flynn, History

Thomas Jonathan Foutz, Biophysics Brian Wallace Frank, Physics Joshua Charles Franklin, Neuroscience

Alexa Ruthven Gale, Public Health Studies

Emily Elizabeth Garrison, International Studies

Jacob Michael Gilbert,

History and Spanish Paul Gosling, Physics

Shilpy Goswami,

Political Science

Robert Frederick Groff. Neuroscience

Amy D. Guertin, French Joshua Leigh Haber, History

Richard Jeremy Hagerman, Political Science

Rachel Iulia Hare. Political Science

Carolyn Elizabeth Henry, Sociology

Jacob Rosson Hibel, Sociology Jonie Jen-Yu Hsiao, Chemistry

Meiling Hua, Biology

Nancy Wei-Ling Huang, Biology

Margaret Mead Hurwitz, Earth & Planetary Sciences

Maria del Mar Ingaramo, Biology

Sheila Isanaka,

Public Health Studies

Jennifer Leland Jackson, History of Art

Raya Jarawan, International Studies

Caelan Mary Johnson,

Neuroscience and Spanish

Joann Hye Yun Kang, Neuroscience

Seher Khawaja,

International Studies

Sharon Kelsey, Political Science

Ali Sharaf Khawar,

Political Science

Babar Khokhar, Neuroscience

Alan Hong Kim, Biology

Vivian Hae Won Kim, Political Science

Ahnika Sarah Kline,

Mathematics

Paul Aarne Koljonen, Biology Alexandra Kondratiuk,

International Studies Seth Joshua Korman,

Political Science and History Jessica Pauline Kronish, International Studies

Matthew Vinciguerra Kroot, Anthropology

Stanley Kwieciak III, French Yaa Aboagyewa Kumah, Biophysics

Sheila Kumar, Neuroscience Kathleen Marie Kvortek,

History of Science,

Medicine & Technology

Tsun-vin Bert Lai, Chemistry

Antonia Sang Lee,

Writing Seminars

Hyun Kyong Lee, Neuroscience Annalee Stewart Levine, History

Rosalinda Carmen Licona. Cognitive Science

Harrell Oba Lightfoot, Biology

Swee Yang Lim, Biology and French

Jonathan Lissauer, Neuroscience

Michael Ya-Wei Lu, Biology

Emily Bittlingmaier Martin, International Studies

Shelly Mathur, Biology

Alexander Philip Miceli,

Chemistry

Kiran Motaparthi, Neuroscience and Spanish

Erin Elizabeth Mulkearns,

Brenda Christopher Mullaney, Neuroscience

Kenneth Christopher Novoa, Neuroscience

Nicole Alexandrea Nucelli, International Studies

Diana Lynn Ordes, Writing Seminars

Elizabeth Parrish Owens, History of Art

James Reynolds Parks, History Sarah Lynn Payne, Biology

Rosalyn Hong-Nhung N.

Pham, Biology

Solmaz Pirzadeh, Neuroscience

Aurora Rehècca Porter. International Studies

Erin Bridget Purcell, Biophysics

Raghuram Krishna Rao, Neuroscience

Caroline Morrow Saffer, History of Art Eli Salomon, Mathematics and Mathematical Sciences Korak Sarkar. Neuroscience and Biomedical Engineering Abraham Sayon, Biology Julia Rose Schiesel, French Amy Suresh Shah, Biology Kiran Sheikh, Neuroscience Pamela Miriam Shuggi, Romance Languages and Literatures Aidan Jeffrey Smith, History Stephanie Jayne Smudde, Chemistry Jonathan Lev Snow, International Studies David Wesley Strong, Neuroscience Theodore Jeen Sung, Biophysics Suman Sureshbabu, Political Science Gary William Swain Jr, Neuroscience Vinita Takiar, Biophysics Zhao Ying Pearline Teo, Biology Judith Winifred Tomkins. International Studies Nikki Georgina Traylor-Knowles, Biology Sean Michael Tulin, Physics Sumeet Vadera, Neuroscience Lisa Vara-Gulmez, International Studies Justin H. Walter, Political Science Irving E. Wang, Biology Flora Thomas Ward, History of Art Emily Anne Wentzell, Anthropology Janielle Love Williams, French Matthew Adam Wolf, Cognitive Science

\* Please note that some students may not be listed as receiving Departmental Honors because this program had to go to press before receiving final notification from the departments.

David Young, Psychology

Liyu Jessica Zhou, Economics

# Graduates from the Honors in Biology Degree

Ahnika Sarah Kline Dave Sam Kotlyar

## Graduates from the Humanistic Studies Honors Program

Sean Benjamin Pattap Christina Therres Pommer Daniel Rudolph Redman Brian Evan Udoff

Baccalaureate Caudidates Graduating with Departmental Honors

# The G.W.C. Whiting School of Engineering

Jennifer Nadine Abras, Mechanical Engineering Michael Thomas Ahlering, Biomedical Engineering Jesse Daniel Allum, Electrical Engineering Charalambos Jean Antoniou, Computer Science Rvan A. Austin, Mechanical Engineering Allison Ruth Barker, Mathematical Sciences and Neuroscience Gautam Baskaran, Biomedical Engineering Jeffrey Cris Batis, Computer Science Sira Bencharit, Biomedical Engineering John Peder Berg, Mechanical Engineering Sharon Molly Betz, Electrical Engineering Mark Vincent Brocato, Computer Science Daniel Paul Brzozowski,

Sharon Molly Betz,
Electrical Engineering
Mark Vincent Brocato,
Computer Science
Daniel Paul Brzozowski,
Mechanical Engineering
Ryan Wallace Caudy,
Computer Science
Min Xi Chen,
Computer Science
Mindao Alexander Chen,
Biomedical Engineering

Charles Chiang, Biomedical Engineering Kenny Hwee Seong Ching, Biomedical Engineering Philip G. Chiu, Computer Science Azim Chowdhury, Computer Science Christy Ann Comeaux, Biomedical Engineering John Bruce Cramp III, Computer Science Charles Sumner Crow IV, Computer Science Kathleen Mary Darling, Civil Engineering Michael D. David, Biomedical Engineering Darren Craig Davis, Computer Science Simon William Dawson, Computer Science Karina Decker, Mechanical Engineering Adam Christopher Dziorny, Biomedical Engineering and Computer Science Alexander Charles Egeler, Mechanical Engineering Robert Li-Tai Fan, Electrical Engineering Toni Wynn Forrest, Biomedical Engineering Manish Kantilal Gala, Biomedical Engineering Alessandro Daniel Geist, Computer Engineering Jason Bryan Gordon, Computer Science Benjamin N. Gray, Chemical Engineering Wei-Hsien Hou, Biomedical Engineering Irene Joann Hsu, Chemical Engineering Leslie Li-Sien Huang, Biomedical Engineering Stanley Huang, Biomedical Engineering Linda Jan, Chemical Engineering Eugene Jiang, Biomedical Engineering Praveen Kankanala, Computer Science

Stellios Karnezis. Mathematical Sciences Ravi Raja Kavasery, Electrical Engineering Peter Charles Keeler, Computer Science I-Jean Khoo, Biomedical Engineering Hyung-Do Kim, Biomedical Engineering William Wei-Kai Lao, Biomedical Engineering Hyukjin Lee, Biomedical Engineering Nayoung Lee, Biomedical Engineering Paul C. Lee, Biomedical Engineering Huay Wen Lim, Biomedical Engineering Matthew Shihhsiu Lin, Biomedical Engineering Shasha Liu, Biomedical Engineering Shawn C. Liu, Computer Science Yihua Loo, Biomedical Engineering Thomas Peter Lozito, Biomedical Engineering Michael Enliu Luc. Biomedical Engineering Michael Mattozzi, Computer Science Hiroto Mihara, Mathematical Sciences Svetlana V. Minina, Computer Science Ashima Munjal, Computer Science Nima Naghshineh, Biomedical Engineering Babak Nazer, Biomedical Engineering Trang Kim Nguyen, Biomedical Engineering Ryan Patrick Nolan, Biomedical Engineering Oliver Timothy Oberg, Physics John Aaron Onofrey, Computer Science Thurein Soe Paing, Electrical Engineering Pamela Pen-Erh Pei, Mathematical Sciences

Sarah Elizabeth Pesek. Biomedical Engineering Gregory Karl Raiten, Computer Science Patrick Ryan Rice, Physics Melanie Anne Ruffner, Biomedical Engineering Aaron Michael Sacks, Computer Science Christian Michael Sauer, Biomedical Engineering Eric Michael Schenfeld, Computer Science Akhil Kumar Seth, Biomedical Engineering Kevin Sheu, Computer Science Siddharth Sonrexa, Computer Science John Gregory Stoneham, Computer Science Martin Y. Tabaksblat, Biomedical Engineering William Tam, Biomedical Engineering Michael James Taylor, Mechanical Engineering Jason Paul Teska, Computer Science Aaron Miruri Thegeya, Computer Science Christian Robert Therrien,

Computer Science

Computer Science

Minh Nguyen Vo,

Computer Science

Siavash Vaziri,

Andres Vogel,

Matthew Alan Thomas,

Biomedical Engineering

Biomedical Engineering

Thomas Tien-Yau Wang,

Biomedical Engineering

Mechanical Engineering

Biomedical Engineering

Abigail Grace Witzemann,

Computer Engineering

Biomedical Engineering

Engineering Mechanics

Mathematical Sciences

Eugene Richard Yum,

Computer Science

Keenan Alexander Wyrobeck,

Aimee Inzu Wu,

Brian P. Yagoda,

Brian Douglas Weibeler,

Carolyn Ann Williams,

Jing Zeng, Biomedical Engineering lie Zheng, Biomedical Engineering

\* Please note that some students may not be listed as receiving Departmental Honors because this program had to go to press before receiving final notification from the departments.

Baccalaureate Candidates Graduating with Honors

The School of Professional Studies in Business and Education

Shelley Ann Albrecht Golan Ashkenazi Angela Marie Balze' Kimberly Penelope Bawroski Silvia M. Boan Kevin Sean Botteon Patrick Joseph Brady Carl Marshall Burnett Jeannette M. Castronova Kelvin M. Cusick Alexandre Czertok Jeffery Earl Dempsey Dianne Iudith Dett Elizabeth Ann Drumgoole Nathaniel Randolph Fellows Christy Anne Flentje Amy L. Gilley Cindy M. Griswold June A. Hebron Lan Huong Nguyen Hoang Nancy A. Hoblitz Melinda Hodge Brian James Horton Laurie Anne Keesler Norene C. Kemp Valerie Lynn Kolman Cathy Lynn Lanier Lyntighe D. Lee Natalie G. Linhart Brian Christopher Machi Michele Gloria Mangin Joseph T. McCann Robert Odell McCullough Mary Ellen McDonald Scott Matthew Mezan Elizabeth I. Mooney

Melodie Lynn Ochs Daniel Glenn Peters Anya Maigan Pisciotta Mark Alan Rinehart Danielle Marie Bracey Rollison David Ionathan Rosenblatt Anita Elaine Rosser-Gethers Eric Bergeim Schneider Prabhjit Singh Brenda Kay Tharp Melina Rania Tsantis Iulio Valcarcel Ir. Diane LeMieux Zook

## CANDIDATES FOR DEGREES

Bachelors of Science in Biomedical Engineering

The G.W.C. Whiting School of Engineering

Michael Thomas Ahlering Avushi Ahuia Kwang Min An Alicia Marie Atwood Angela Yuk-chui Au Gautam Baskaran Sira Bencharit Justin Chao Mindao Alexander Chen

So-Ching Chen Linda Chewaproug Charles Chiang Kenny Hwee Seong Ching

Jeffrey Mong Chu Christy Ann Comeaux Charles Grahe Danko Michael D. David

Christopher Joseph DeRespino

Daniell Dokko

Adam Christopher Dziorny Kurt Gebhard Erler Patrick Graham Fernie

Keith Daniel Florance Toni Wynn Forrest Daniel Jacob Frank Matthew Kyle Fuld

Deepa Gavini

Joseph David Hanauer Galina Anabela Hasson

Manish Kantilal Gala

Wei-Hsien Hou

Eugene Yu-Chieh Huang

Stanley Huang

Christopher Gengembre Hubert

Eugene Jiang Tristen Juanita Johnson Mark Bradley Jones Anil Keni I-lean Khoo Esther Jihae Kim

Eunnam Nami Kim Hyung-Do Kim Nicholas David Lahar

William Wei-Kai Lao Joseph Anthony LaRosa

James Gregory Lavery Dong-Eun Agatha Lee

Hyukjin Lee Navoung Lee Paul C. Lee

Richard Luther Leung Huav Wen Lim

Matthew Shihhsiu Lin Shasha Liu

Tracy Suvi Lo Yihua Loo

Thomas Peter Lozito Michael Enliu Luc David Lloren Man Vipul Mangal Jason Douglas Meyers Nima Naghshineh

Babak Nazer Trang Kim Nguyen Ryan Patrick Nolan

Isil Oge

Yaseen Badreldin Oweis

Ionghvun Park

Neilesh Shashikant Patel Sarah Elizabeth Pesek

Luu Van Pham Mary Catherine Pittaway

Arthur Pua Rivera Brandon Justin Rochelle Melanie Anne Ruffner

Laura Irene Sacolick

Christian Michael Sauer Molly Jane Selk

Akhil Kumar Seth Chuck Chau-kai Shih Brian Myung Shin

Gregory Joseph Stock Michelle Tiffani Sugi

Martin Y. Tabaksblat

William Tam Siddhartha Tantia Tony Thanh Tran

Tammy Ling Van Dine

Siavash Vaziri Minh Nguyen Vo Judy Sing-Zan Wang

Thomas Tien-Yau Wang Ross Tyler Whitaker Anna Elaine Widmer Carolyn Ann Williams

Aimee Inzu Wu

Eric Hwai-Yu Yang Philemon Szu-Wei Yang Lauren Chun Ye

Jay Yuan Jing Zeng Jie Zheng

Bachelors of Science in Chemical Engineering

The G.W.C. Whiting School of Engineering

Peter Canisius Jr. Michael Anthony Cascioli II Nicholas Bradford Challen Brian Chung Brian Richard Daniels Benjamin N. Gray Irene Joann Hsu Linda Jan Hyunseung Kim Martin Earl Kolewe Brian Thomas Lenkowski Rashea Madeline McCall Robert James Plemons Christopher William Poll

Bachelors of Science in Civil Engineering

David S. Sebba

Eric Wilson

The G.W.C. Whiting School of Engineering

Brett M. Bondy Kathleen Mary Darling George Alexander Durham Christopher John Hedges Joshua Kirk Hollman Maryam Habib Khan Thomas Manderachi Megan Elizabeth McCann James Joseph Morris Oliver Timothy Oberg Erika Rose Stoddard Ryan Doyle Sutton Robert Foote Theobald Oliver Tsai

Bachelors of Science in Computer Engineering

The G.W.C. Whiting School of Engineering

Mark Raymond Baumgartner Justin S. Brannock Robert Wistar Carter Hyungchan Cho Mark Peragine Dlugokencky Alessandro Daniel Geist Leo R. Lee Alexander Stritter Maestretti Benjamin Erwin William Meyer Christopher Evans Ralston Michael Joseph Ross II Jonathan Thomas Ruark Mark Edward Sorensen Adam Matthew Sutker Abigail Grace Witzemann

Bachelors of Science in Computer Science

The G.W.C. Whiting School of Engineering

Paul Henry Saguros Agustin Jeffrey Cris Batis William Rice Birkhead Mark Vincent Brocato Samuel Lee Carliles Ryan Wallace Caudy Alan Wendell Chen Min Xi Chen Philip G. Chiu Brian Jay Cohen John Bruce Cramp III Charles Sumner Crow IV Darren Craig Davis Simon William Dawson Ieremy Adam Geiman Keith Robert Gershenson Jason Bryan Gordon Jonathan David Grassbaugh Daniel David Green Michael Ray Hines Kenneth Dircks Hittel Sung Ly Hsueh Erik Michael Hummel

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## Bachelors of Science in Electrical Engineering

# The G.W.C. Whiting School of Engineering

Jesse Daniel Allum Sharon Molly Betz Christopher Joseph Breig Peter Michael Brueggeinann Daniel Henry Coleman La Vida De Maria Cooper Jared Kristopher Day Robynn Lynn Denzene Steven Thomas Dickey Robert Li-Tai Fan

Paul Robert Giedraitis Tyler Francis Gray Brian John Kane Ravi Raja Kavasery Ii Hvun Kim Joel Robert Kustka Irwin Chi-Wei Law Udayan Mallik William Lindsay Morrison Thurein Soe Paing Daniel Richard Statter Isra Sunhachawi Rvan Charles Tabone Thiago Valladares Sabino Teixeira Richard O. Tran Xiaodu Wang Christopher Embree Wong

#### Bachelors of Science in Engineering Mechanics

# The G.W.C. Whiting School of Engineering

Stephen Juhyung Lee Vasili Constantine Michell Sten-Ove Albee Tullberg Keenan Alexander Wyrobek

#### Bachelors of Science in Mathematical Sciences

# The G.W.C. Whiting School of Engineering

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#### Bachelors of Science in Mechanical Engineering

# The G.W.C. Whiting School of Engineering

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#### Bachelors of Arts

# The G.W.C. Whiting School of Engineering

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Bachelors of Arts in Biomedical Engineering

The G.W.C. Whiting School of Engineering

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#### Bachelors of Arts in Computer Science

# The G.W.C. Whiting School of Engineering

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Jeffrey Tae Moon
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#### Bachelors of Arts in Mathematical Sciences

# The G.W.C. Whiting School of Engineering

Hannah Lynn Lammé

## Bachelors of Science in Engineering Science

# The G.W.C. Whiting School of Engineering

Jacqueline Michelle Dvorak Lisa Offner Hansen

# Bachelors of Civil Engineering

# The G.W.C. Whiting School of Engineering

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#### Bachelors of Electrical Engineering

# The G.W.C. Whiting School of Engineering

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## Bachelors of Mechanical Engineering

# The G.W.C. Whiting School of Engineering

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#### Bachelors of Science in Biology

# The Zanvyl Krieger School of Arts and Sciences

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#### Bachelors of Science in Physics

# The Zanvyl Krieger School of Arts and Sciences

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#### Bachelors of Arts

#### The Zanvyl Krieger School of Arts and Sciences

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Joseph Gorodenker Shilpy Goswami Stephen Alexander Gould

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Cassandra Meghan Haddock Richard Jeremy Hagerman

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Shannon Eileen O'Malley Peter Paul Thunder Oberg John Ishmael Odito John Robert Odle Armand Christian Oei Kristin Marie Olesen **Justine Claire Olin** Keith Olkowski Jessica Opoku-Anane Diana Lynn Ordes Bart David Orr Wilson Orvis Christopher Eric Ostrander Elizabeth Parrish Owens Kadri Umit Ozdemir Alberto Jose Pacheco Chien-Ying Pan Hsin-Hung Pan Susan Elizabeth Panariello Dae Sung Park Diana Kim Park Henry Park Jae Hyun Park **Julie Park** James Reynolds Parks Aaron Iacob Parnes David Caverhill Parr Thomas Andrew Parry Katie Rachael Pasternak Archita Virendra Patel Kristin M. Patkus Sean Benjamin Pattap John Arthur Paxton Karen Marcia Peeters Iulian Vincent Pellicano Myriah Leigh Perkins LisaCaitlin Marie Perri Michael Allen Pesi Lauren Michelle Pettiford Michael Daniel Peyser Erica Duyen Pham Solmaz Pirzadeh Sarah Anne Placella Marcel Gavler Poisot Michael Jonathan Pokorny Christina Therres Pommer Aurora Rebecca Porter Laurie Elizabeth Power Alka Pradhan Keelye Mae Pratt Perry Allen Price Erin Bridget Purcell Sean David Pustilnik Ivan Kiryluk Putziger Tricia Kwale Quartey

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Ali Reza Rabbani Iill Diane Rafson Jeffrey Jacob Raider Rajesh Ramachandran Paul Joseph Ramaley Nadia Teresa Ramdeen Raghuram Krishna Rao Tannaz Rasouli Jacob Carroll Raver LaToya Michelle Redd Daniel Rudolph Redman Matthew Jeremy Reed AbdulAhad Asif Rehmatulla Conor Adams Reidy Yoona Rhee Juveon Rho Sonya Castillo Ribovich John Patrick Rice Vernon Britt Richardson III Mark William Robinson Elise Julia Roecker Ana Lauren Rosner Constantine Roufanis Leslie Alexandra Royds Caroline Morrow Saffer Eric Singh Sahota Eli Salomon Korak Sarkar Joseph Alan Sauer Abraham Sayon Melissa Anna Schafhauser Stephen Harris Schenck Julia Rose Schiesel Robin E. Schilling Seth Franklin Schinfeld Jennifer R. Schutz Shahab Shaffie Amy Suresh Shah Jason Ali Shahinfar Matthew Isaac Shapiro Arun Sharma Kiran Sheikh Christopher Robert Sheng Ashley Brooke Shepler Marshall Jeffrey Shieh Ingrid Louise Shields Laura Shin Pamela Miriam Shuggi Andrew Sidakis Tara Ann Sikorski David William Silver David Walter Silverstone Madeline Kor-Man Siu Jesse Kane Skinner Timothy A. E. Slack Shannon Aimee Slater

Lauren Elizabeth Slavik Shameeka Osaroeme Smalling Aidan Jeffrey Smith Alison Elizabeth Smith Eliscia Janine Smith Stephanie Jayne Smudde Jonathan Lev Snow Maxwell Rezin Sobolik Jina Sohn Michael Jason Spears Michael David Spector Ivan Forst Sperber Ian Harrison Spicknall Daniel Lawrence Spiegel Michael John Spratt Stephen Andrew Stache Ir. Benjamin Stark Elizabeth Beatrice Steinberg Rachael Leigh Stewart Andrew Thomas Stoddard William Robert Stolting Adam Joseph Stolz David Wesley Strong Benjamin Leiberman Stulberg Elizabeth M. Sullivan Jane Sook Sung Theodore Jeen Sung Suman Sureshbabu Gary William Swain Jr. Jòanna Zofia Swiatecka Eric Lin Szeto Melissa Amy Tahan Waimei Amy Tai Hidehiro Takematsu Vinita Takiar Taylor H. Tang Ōmer Taviloğlu Stephanie Lara Teller Zhao Ying Pearline Teo Sagar J. Thaker Khoi Duc Than Florence-Marie Anne Baya Tiar John Vincent Tiberi Neel Kamal Tiku Ryan Christopher Todd Judith Winifred Tomkins Christopher D. Tucker Sean Michael Tulin Jeremy Pritchard Tully India Ross Turner Jennifer Marie Turney Brian Evan Udoff Joseph P. Urban Sumeet Vadera

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#### Performers Certificates

## The Peabody Conservatory of Music

Brian Jefferson Bunnell,

Trumpet
Sara Egner, Clarinet
Kelly A. McCullough, Clarinet
Benjamin Joseph Williams,

Bassoon
Bob Yoon, Clarinet

### Bachelors of Music

## The Peabody Conservatory of Music

Uriel B. Abt, Violin Shannon Rose Angelakis, Voice Michael John Angelucci, Piano Michael E. Balderson, Double Bass Brandon Bell, Percussion Wendy Rae Bickford, Clarinet Brian Jefferson Bunnell, Music Education Jung Mee Byun, Violoncello Sarah Jean Carlisle, Jazz Alan Grason Carr, Bass Trombone Caitlin Violete Chambers, Guitar Hyun-Yi Cho, Piano Julie Ann Cooper, Violin Sarah D'Angelo, Violin Victor de Almeida, Viola Brendan J. Dorr, Voice George Durham, Violoncello Amanda Karen Dusold, Music Education and Oboe Sara Egner, Music Education Peter Joseph Farrell, Horn Jerome Greyson Fleg, Music Education and Clarinet Brian C. Fountain, Double Bass Melissa Ann Goetschius, Music Education and Trumpet Sergi Goldman-Hull, Violin Kenneth Don Harmon II, Timothy Michael Hartman, Saxophone Meredith Hickey-Schiappa, Horn Chih-Jung Hsu, Violin Yian Huang, Piano

Kevin Jang, Violin Frank Gifford Jenkins, Violoncello Robyn Julyan, Violin Ann Yunmi Keh, Violin Hyeock Kim, Violin Jeanette Hyejin Kim, Piano Jehah Kim, Violoncello Jungyeon J. Kim, Voice Todd Matthew Krueger, Clarinet Hyun-Jung Kwon, Flute Clarissa Lacson, Violoncello Mahlon Paxson Laird III, Recording Arts and Sciences Jeremy Taisey Lamb, Violoncello Michael R. Lawrence, Guitar Lindsay Ann Leach, Flute Valerie Wai Hung Li, Violin Chao-Chun Liu, Violoncello Leilani-Pearl Ma. Violoncello John Michael Malloy, Trumpet Patrick Stephen Maples, Music Education and Clarinet Cynthia Ann Marcus, Violin Nicholas Steven Marini, Trombone Rebecca Marland, Double Bass Joseph E. Marshall, Recording Arts and Sciences and Trumpet Annelies Marie Mast, Violin Kelly A. McCullough, Music Education Suzanne Elise Meshbane, Music Education and Harp Ryan Messmore, Recording Arts and Sciences and Composition Sarah Louise Morris, Violoncello David Richard Morrow, Trumpet Patrick T. O'Connell, Guitar Paul Østerballe, Horn Julian Vincent Pellicano, Percussion Moritz Ferdinand Pfeiffer, Nikos A. Pittas, Violin Joseph Cole Regan, Voice Jeffry Aaron Rogers, Guitar Valerie Rachel Rogotzke, Voice Mariatana T. K. Salerno, Voice John William Sayre, Percussion Sultan Abdus-Salaam Shakir. Double Bass

Leila Lynn Sharif, Oboe Hsin-Yee Shih, Oboe and Piano Daniel Lawrence Spiegel. Piano Richard Alexander Staherski. Bassoon Loren Stata, Bassoon Svetoslav Rumenov Stoyanov, Percussion Brian James Thompson, Recording Arts and Sciences and Tuba Laura M. Virella Rodríguez, Richard Mosson Weinberg, Voice. Katherine Allen White, Trombone Scott Wieser, Recording Arts and Sciences and Percussion Sheila Kav Willey, Music Education and Voice Benjamin Joseph Williams, Music Education Daniel Wnukowski, Piano Laurence Edward Young, Clarinet

### The School of Nursing

### Bachelors of Science May 22, 2003

Jody B. Acheson Sahar H. Al-Husseini Kelly L. Anderson Samuel Robert Badger Nirmalla Barros Abigail A. Bover Allison Lee Brudno Rachel Lavne Bullen Rachel Lindsay Burt Caryll Campbell Katrina Mae Campiglio Sara Anne Roberts Carleton Tara lean Caudill Allison Julie Caulfield Cindy C. Chan Jessica Arlein Charles Theresa Marie Coker Catherine Aileen Cox John Eric Cranmer Becky Leigh Darden Joni Marie Dellenback Jennifer Lynne Detisch Tara Marie Donahue

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#### The School of Nursing

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### Bachelors of Science

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Information and

Pui-Lai Dorothy Wan, Information and Telecommunication Systems Michelle Marie Wanichko. Information and Telecommunication Systems Rodney Eugene Ward, Edncation P. D. Mona Wargo, Information and Telecommunication Systems Judy Marsha Warshof, Counseling Tia Francine Webb, Special Education Robert W. Weinhold Jr., Marketing Erica Dawn Weinstein, Counseling Rebecca Marni Weisman, Education Audrey Lynne Weissberg, Counseling Joseph Scott Weker, Counseling Robert A. Welch III, Information and Telecommunication Systems Lars Peter Weldy, Education Barbara Hughes Wertman, Information and Telecommunication Systems Elizabeth Ellen Westley, Counseling Erin Elizabeth Wheeler, Education Phyllis Marie Wheeler, Organization Development and Human Resources Kimball M. Wheet Jr., Information and Telecommunication Systems Ryan James Whitaker, Real Estate Andre Nicholas White, Information and Telecommunication Systems Andrew B. White, Management Matthew H. White, Education Jennifer D. Whitney, Information and Telecommunication Systems James Christopher Williamson, Information and Telecommunication Systems

Christina Marie Winn, Real Estate Sharon Ann Wisniewski, Special Education Kenneth M. Wojdon, Information and Telecommunication Systems Rachael Clancy Wood, Education Laura Jean Woodside, Education Marjorie Dell Wright, Counseling Heather L. Wyatt, Applied Behavioral Science Sung-Chul Yang, Finance Kim Corin Yenco, Counseling Asfaw Yilma, Information and Telecommunication Systems Patricia Jane Yoder, Organization Development and Human Resources Linda Lee Yost, Applied Behavioral Science Cynthia Michelle Zalewski, Education Qing Zheng, Organization Development and Human Resources Li Zhou. Information and Telecommunication Systems Matthew David Zickel, Information and Telecommunication Systems Nicole Regina Zosa, Information and Telecommunication Systems Douglas Zwiselsberger, Information and Telecommunication Systems

Masters of Business Administration

The School of Professional Studies in Business and Education

Sarah Ahmad Abedin Kent C. Adams Adeola A. Adeyeye Musa Ahmed Johara Hussein Alatas Olivia Parker Alexander

Byron Wilson, Marketing

Frederick Wilson II, Marketing

Gianfranco C. Alicandro Kiersten A. Andrews Isaac Billy Annan Wanda Jeanette Armwood Marcy L. Arnold Beth Lynn Aronson Shilpa Arora Lare Atcha-Oubou Paul Gisbert Auwaerter Seung Hak Baick lanet M. Ballonoff Ravi Kumar Bansal Andres Mauricio Baquero Franco Shoshana Bar-Dov Lloyd David Barnes Wayne D. Barnes Jennifer Lynne Barron John David Bartell Jennifer Ray Beckman Jahansha Behzad Ronald I. Benschoter Ir. Kami Johanna Bernstein Maryam Anisa Bhatti Kevin Bielat Jamie J. Blietz Kerry Ann Bloom Tori Kave Boats Mary Lamdin Bonacci Shaya S. Bondar Sarah O. Booth Roumen Iliev Boudin Joseph John Bouffard Jr. Joyce Dianne Bourne Antonio Dana Boyd Barry Max Boyd Joseph T. Bradley Joseph Francis Brady Joyce M. Brayboy Michael C. Breck Mario Andres Breton Carol S. Brown Kimberlee A. Brown Terence Francis Browne Teresa Epp Bruciak Peter K. Bryant-Greenwood James L. Buehner Richard E. Buller Nathaniel Butler Emily Hope Callahan Karen Kay Calloo-Walcott Brenda Diane Cannon Nathalie Carcenac Jeffrey Alan Cashell Joseph S. Casper

Mark William Cavanaugh

Emine Elif Cetinkaya Badr Chawki Lolita Marie Clayton Michelle Erin Cohen Denice Estella Cora-Bramble Troy Wade Corbett Gregory A. Cord David Aaron Coronel Tameka Latrece Cottman-Adedeii Lysbeth K. Courtney Lawrence J. Cover Raymond L. Cox Sonja M. Cox Mark Douglas Cyford Michelle Venesia Dacanay Myriam Keefe D'Albora Jayesh P. Datar Kimberly A. Davis Natisha Ann Dawson Charles J. DeFilippo Charlotte Carter Del Duca Liberatus Anthony DeRosa Richard Andrew Didden Stephen Leist Dilts Jr. Charles Joseph DiRocco Jr. Divya Dokania Corv Benjamin Donovan Keisha Cecile Downer Pamela Chanel Dozier William J. Driscoll Arti Duggal Naresh P. Duggal Deborah L. Dunn Deborah Ann Duschl Lauren Edward Dymond Jr. Michael C. Eads Brian G. Ebel Ali Ehsani John F. Eichelberger Ira Eisenstadt Frank C. Ellwood Jacob Wodrow Endres Kenric Michael England William Thomas Evans Andrea Fabbri Babatunde Olalekan Fatoki Carl Joseph Ferlitch Ir. Doreen B. Ferrington Maria Ficocelli Joyce Elaine Fields Tanjanika Desircé Fishburne Jean Marie Flanders Michele Eisen Foreman Adam Wood Foulke Monique Rochelle Fountain

Mark Anthony Fowler Lori Kathleen Frei Richard Lawrence Fricker Brenda Dolan Friess Myra L. Fullerton Lucille Gabel Ieane Marie Gaiennie Ferial Gallehdari Eveka Ketcena Galvan Isabel Daniela Garcia Marilyn Rae Garner Fouad Emile Gellad Nicholas Joseph Giampetro Mike Giles Edward Scott Girard Mary Rebekah Glasscock Griselda B. Gloria-Santos Melby Ray Goldsmith Harold Mark Goll Kara M. Gontkovic Gary Robert Goodweather John Carroll Gorman II William E. Grant Vanessa Michelle Graves Doniel Greenwald Virgil Griffin Floyd H. Griffith Benjamin Lewis Grimley Christine Michelle Groff Glenn Matthew Guard Stella Guillen Evan Daniel Gutterman Allyson Lynn Hackney Lisa Hooten Hadrosek Ferdous Hakim Angela Louise Hall Paul R. Harke Joyce M. Harris Renee Hassell Harris Kevin James Harrison Jonathan Burwell Hartley Christina Monique Harvin Noah James Hayward Donya He Mara Jeanne Hedgecoth John B. Heisler Lynn Renee Hennies Doris F. Henning Michelle Lynn Hertsch Jeffrey Michael Hewitt Courtenay Bryon Hicks Elizabeth Ronayne Hill Cabral Richard Hobson Virginia Mason Hodges Gerald A. Hofkin

Suresh Krishnappa Hosakoppal Chun-Jen Hsiao Matthew David Hudson Frederick Matthew Hurd David Allen Hyder Chiharu Ima Shawn Michael Isaacson Heather Harding Jackson Alyssa Lea Jacobson Jeffrey Dwight Jasmann Mervyn Jeffries Nicole E. Joel Angela Lynnette Johnson David Bryan Johnson Erik William Johnson Karen Denise Johnson DeEtta Maria Jones Abdul Kader Asha Ayaluo Kailasam Ellen Nathalia Kalb Maniit Kaur Brian Kevin Kehoe Brian Peter Kelly Mary Beth Kirkhoff Matthew Barry Kiser Denise Marie Kishel Susan Gail Klawansky Arye M. Klein Elliot Klein Maria Beatriz Mibielli Kohler Adegbenjo Michael Koleosho Alyssa Janelle Komin Yukari Komuro Sudabeh Koochekzadeh Brian I. Krabak Laura Jane Kreiner Jay D. Kreismann Rebecca Felty Krukar Sippy Kumar Garry LaGuerre Adenike Habeebat Lakanu Aryeh Langer Thomas John Lapato Thomas Donald Lash Jeannette Sook Yeen Lee lie Li Yuanyuan Li Edward Liao Robert T. Liberto Edward Anthony Lichorat Chamnan Lim Eric D. Linn Heinz-Joachim List Charmayne Dionne Little Yu-Ling Liu

Gloria Holt

David Thomas Holden

William Patrick Lohnes Michael Loizzi Michael Stephen Londner Lauren Durante Longwell Suzanne Elizabeth Lucas Lawrence Martin Ly Michael John Lynch Julie Michele MacLaughlin Douglas David Mairena Jessica Ann Malone Joan Teresa Mancuso Andrew S. Manos Elizabeth Aileen Mariner Christopher Scott Marlow Jeffrey Scott Marthinuss Sean Rierson Martin Timothy Victor Martin Alexander Byers Martin Jr. Bassam Masri Carlos Vicente Mata Karen Leigh Matthews Carmen Troyce Maxwell Romena Romero May Patricia Constantinidis McCall Constance J. McClain Thomas Overby McCollum Jeremy Thomas McCurdy Anne Meyer McFadden Cindy Dawone McLaughlin Kimberly Ann McLeod Michael McMeekin Lynette Patrece Mellerson Akiva Melmed Rosario Maria Mendez Michael Edward Mentley Margaret Kilday Mestraud Constantinos George Metropoulos Moshe M. Michaeli John Pewters Micklitsch Katherine Ann Mindlin Anthony Robb Minter Christine Anne Mirosavich James Gregory Mitrano Benjamin Ward Moeling Edward Gabriel Moeller Reem Alao Eldin Mohamed Farid Yihung Tao Mohs Raffaella Molteni Mark Francis Monahan Dean R. Monnin Maria Lynn Montalvo Jessica P. Montova Joseph Gerard Mortati

Catherine H. Mountford

Lynda Moyer Mary Lozupone Mullin Gregory Francis Mundell Brian W. Murphy Sharon Katherine Murphy Oleg Navdonov Shmuel Nayman Deborah Lynne Neal David Allan Neubrech Ir. Kouassi Zakari Nguessan Wilson Nhliziyo Kerri Ann Nolan Marwan Peter Noursi Godswill Okorafor Okoii Maria E. Olivas Joseph N. Openden Fabrizio Didier Opertti Phillip William Orleans Kendra Jayne Orton Stephen Mario Pantano Joseph William Parran II Madhuri H. Patel Lynne Allison Pearson Gregory LaMont Peel **Jeffrey Thomas Pfeiffer** Gregory Scott Phelps Michael Roy Phillips Lauren Jade Phoenix Mark Jay Pinson Susanna Claire Pitts Thomas Edward Polen Jennifer Pollard Brenda Irene Poston Isaac M. Pretter Timothy R. Pyle Mark Aloysius Quinn Michael Eugene Radcliffe Rogerio Goncalves Ramos Tilithea Grace Ransome Michele Marie Reber George Othman Redmond Antonio Dale Reese David Scott Reid Maria Soledad Requejo Edward Paxton Rhyne Carlotta Marie Richard Iennifer Lvnn Richardson Prabal Rimal Cheri M. Ritchey William Henry Roberts Ruth A. Robinson Jeffrey A. Roddy Henry Rodriguez Paul Thomas Rogers Brian Elliott Rose Jacqueline Annette Rose-Green

Eileen E. Sagot Dhritiman Saha Hana L. Salah Erica Lona Salkow Joshua Salzberg Nati Samet Greg D. Scalzo Brian P. Schilling Jeremy Craig Schroeder Laura Marlow Seidel Juan Marcelo Sempertegui Yissachar Shapiro Sanjay Mahabir Sharma Michelle Parker Sharrow **Zhongting Shen** Omofolarin Habib Shitta-Bey John Frank Short Ryan Michael Shuell Anne D. Shugars Laura L. Sifuentes Joseph Mark Silber Christopher Brett Simms Alisa Rossana Sirianni Karen White Smith Kenitra Denise Smith Pamela Sharelle Smith Terri L. Smith Preston Ross Snedegar Daniel Robert Snyder Alan C. Spanbauer Marvin Earl Spears Leona Ruth Spencer Arthur A. Spivey Vincent Lee Staab Robert James Stahly Craig Brian Steinberg Jacqueline Annette Stern Jennifer Marie Sterner Mary Christanna Stewart-Roary Jeffrey Michael Streib Joseph Charles Striedl Christopher Scott Sullivan Dennis I. Sullivan Christopher Yupti Tangang Karla M. Tassey Emily Irene Tevault Tiffany-Dian Thomas Fabien Laurent Toscano Chamesou Dinou Toure Seth S. Troy Michael S. Udan Marcia L. Updike

Jessica Schumacher Rowe

Kimberly S. Rupert

Terrence John Ryan

Sherif Mostafa Saad

Christopher Joseph Urban Irina Popova Van Dusen James Todd VanderDonck Brenda J. Wakhisi Kemeng Wang Zhengxian Wang David H. Washington Jr. Theodore James Weber XueZhi Wei Abraham David Weinschneider Raphael Weinschneider Scott Jay Wendell Marcus Crummell Wesley Timothy Patrick Wieland Ryan Scott Wiener Voncia Lynnette Wiggins Brian David Wilder James Edward Wilhelm Jr. Marsha Leigh Wilson Tina Yvette Wilson Helena Elizabeth Witte-Oertel Stephen S. Wolf Aileen Elizabeth Worrell Melissa Mei-Yen Wu Melissa Louise Wurfel Gerald Tan Yap David Mark Yousem Jennifer Anne Yousfi Rongxia Zhu Irene Felix Zvagelsky

### Masters of Arts in Teaching

The School of Professional Studies in Business and Education

Janet Susan Albarran Lisa Alderoty Jose F. Alonso Michele Yvette Amerson Nicolle M. Anthony Aisha Karimah Artis Steven Mark Auslander Randy Alison Aussenberg Damian M. Ayichi Jerrell Wilson Baker Lynda H. Ballman Ian Patrick Bartman Yahbome Bash-Tagi Pamela Olivia Beaty Brenda Lynn Benya Catherine Shull Bercaw Carrie J. Berman Cathy Ann Berry

Sherina Lynn Bonaparte-LaTorre Robin Bloom Brille Patti S. Brocato Ioel David Brusewitz Shannon Helene Burley Fatimah Shani Burnam Alison Calcaterra TaMara Rose Campbell Michael Casey John Davis Caswell Colby Elise Chase Krista Marie Clarkson Deborah Michelle Clevinger Barbara Campbell Cloherty Karen Elaine Cole Rebecca Mai Consacro Callandra Suzanne Cook Amy Carol Coonts Robert David Cox Susan M. Craig-Sartor Antoinette Crookes Jenita Katrina Crosby Susan M. Cybulski Emily Ann Davis Marisa Marguerite Del Savio Michael E. Diamond Cathy Louise Dickerson Amber Joy Dimkoff Ariel J. Dolowich Kellie Ann Doyle Jennifer Lynn Dubey Cynthia L. Dumont Amanda Stanley Durkee Neil Edward Eckardt Aaron William Ellis Sandra L. Elmendorf Donna Marie Evans Gina Kay Feldblum Jack Glenn Feldman Elizabeth Mary Flow-Delwiche Denise Nicole Franklin Lori Allison Fultz Dana Marie Gaeckle Erin Melissa Garrett Jennifer Ann Gavin Jacquelyn Sue Geer Rachel Lynn Geiger Jessica Leigh Glum Julianne Gene Gordon Rachel Lynn Greenberg Leslie Appino Greene Brandon Louis Grodnitsky Victoria Hamilton Madeline Hanington Crystal Kimberly Harden

Catherine R. Harmon Maria-Laura Collell Harris Jenny Elena Harvey Amy Louise Hawn Emily Elizabeth Haves Richard Tyronne Haynes David Herberger Ingrid Barlow Hill Lori Michelle Hindman Paul Michael Hines Michael John Hinsvark Jung Pyo Hong Susan Anne Hughes Mary Kathryn Hutto Danika Kirstin Ingle Jacqueline Reneé Jackson Shannon Lynn Jackson-Polansky Eric Maxwell Jayne Fatima Jibril Jacquelyn L. Jones Robert Stanton Jones William Iones Heather Suzanne Kalish Kent S. Kariva Catherine Marie Kashatus Peter Francisco Kenah Mary Dodd Kenney Pamela Barbara Kerin Saghar Sereena Khalilian Mathew Clinton Kilgore Anne Warren King Susanne Elizabeth Kirby Anne-Marie Kleinman Leigh Anna Kopczuk Juan-Pablo Koropecky Rajiv Kumar Sarah Anne Kurdziel Paul Joseph Larochelle Carrie Marie Lawson Anna Mendelson Lazarus Caryn Lynn Lazerowich LaHoma Suzette Lee Annie Rebecca Lewis Jesse Joseph Lewis Rebecca Jane Lindsay Michelle Lynn Loving Jacquelyn S. Lujan Kara Marie Maleski John Robert Malter Laurel Marsh Gregory Dennis Martin Nicole Andrea Martin Patricia Ann Maskell Katherine Elizabeth Mast Marnelyn D. Mataac

Gregory Matthews Meghan Kathleen McKinnon Ianet Marie McMurrer Shari Lynn McWain Frances Tomoko Migita Brooke Ann Miller Molly McKittrick Minnick Jeffrey T. Mintiens Thomas Jason Moreno Andrew Douglas Morrison Ronita Aliece Morsell Frank Anthony Mularz Jr. Rebecca Brooke Mullaney Natasha Elizabeth Myers Nazanine Nabaiee Desireé Anne Nelson Steven Nev John Kaleimomi Notley Erin Kathleen O'Brien Sean Thomas O'Connor Steven Eric Orders Amy L. Osborne Nancy P. Osinoff Stacy Michelle Pagan Eric Christopher Pahel Marie-Laurie Parfait Soyoung Park Dominique P. Parker Kristin Lynn Parrish-Eaton Katharine Jane Pasley Amanda Jeanne Patterson Denise Ann Paul Marta Elena Pavon Catherine M. Payne Stacey Jo Pell Kathryn Elizabeth Peluso Rosemary Penna Kristi Gayle Peter Gwelan L. Peterson Stacy Mystia Place Suzanne Sweeney Plishka Brian Keith Pluim Megan Eileen Plunkett Deborah Faye Pober Campbell Brenn Pontius Dawn Nicole Pressley Sheree Denise Price Sara Marie Proper Tracy Kim Rebe Mary L. Reinhard Courtney Heina Rice Latoya S. Richards Deborah Jane Rifkin Courtney Leslie Robinson James Fletcher Ross Darlene Kate Ruiz

Danielle Lisa Sacchetti Zakiya Tiomaya Sackor Sarah Kay Salisbury Kendall Forbes Sanderson Arthur Satti III Jessica Lynn Saven Geoffrey Morgan Schaefer Sandra J. Schmidt Kimberly Leigh Schreder Kirsten Michelle Schultz Megan T. Schulze Lucy Catherine Scott Ruben Fernando Serafini Richard Brian Shemer Rhonda Bilsky Sherrod Ronald Lee Shreve Ir. Tara L. Shugarts Rebecca Maslauskas Siegrist Erin C. Simpson Jeremy E. Skinner Kathleen E. Smith Sally Lynn Smits Saundra Dee Souza Laura J. Spangler Bethany Bresnick Spector Geraldine Wilson Stewart Jesse Edward Stovall Anisa LaShawn Stubbs Donald Frank Tatum Pamela York Taylor Paul Nason Taylor II Christopher Anthony Turner Lori Ann Ugolini Amy Jill Vachon Daniel M. Valle Cherrie Ann Van Hook Amy M. Verdina Franklin John Walker Jr. JaQuay Denise Waller Kristin Jennings Ward Paige Sharyn Washington Eric Christopher Watts Adelia (Dell) H. White Terry Johnson White MaryJo Leiser Wieland Moira Geddes Wieland Yolanda Wigham Shannon Renee Wilson Kimberly Nicole Witherspoon Eva Paulette Wortherly Donna Kay Wynkoop Carrie Curtis Young Diana Jenying Yu Andrew Robert Zapke John Karl Zesiger

### Post-Master's Certificates in Business

### The School of Professional Studies in Business and Education

Steven Wayne Dibert, Information and Telecommunication Systems Diane L. Ditzler. Information and Telecommunication Systems Margaret Winton Engvall, Information and Telecommunication Systems Alex Ndiritu Mutonyi, Information and Telecommunication Systems Robert Walter Rucker, Information and Telecommunication Systems Margaret Chatman Smith, Information and Telecommunication Systems

#### Post-Master's Certificates in Education

### The School of Professional Studies in Business and Education

Mary Sue Billingsley, Career Counseling Deborah Ann Boyd, Clinical Community Counseling Betty McKay Bracht, Clinical Community Counseling Lauren Elizabeth Casey, Clinical Community Connseling Pamela J. Cullen, Clinical Community Counseling Beth Kane Davidson, Addictions Connselng Joanie E. Dorsey, Connseling At-Risk Youth Miles Grant Goldstein, Organizational Comseling V. Bernard Gooding, Organizational Connseling Jeannette L. Hall,

Connseling At-Risk Youth

Counseling At-Risk Yonth

Comseling At-Risk Youth

Lori Patrice Hines,

Davidseen Horne,

Deborah Marie Johnson, Counseling At-Risk Youth Nancy Yvonne Kell, Career Connseling Patricia Holmes Lewis, Connseling At-Risk Youth Melissa Ann Medwid, Clinical Community Comseling Rose Christine Pavlock, Organizational Connseling Linda Moore Peterson. Clinical Community Comseling Colin Andy Roberts, Clinical Community Connseling Mary Jill Rowan, Clinical Community Counseling Sheila B. Scott, Connseling At-Risk Youth Tricia Michelle Uppercue, Clinical Community Connseling

### Certificates of Advanced Graduate Study

### The School of Professional Studies in Business and Education

Paul F. Blasko Jr., Special Education Mary Denise Havery, Special Education F. Mina Klein, Counseling Michelle Iris Meyer, Counseling Kimberly Ann Minnucci, Special Education Shannon Nichole Sprague, Connseling Cecily A. Williams, Special Education

### Masters of Science in Nursing

#### The School of Nursing

Carrie Pemberton Alexander Jinae Lehua Selvey Arneklev Melissa Lynn Anne Ashby Cathleen M. Barenski Sonya Renee Bechtel Dawn Marie Moskal Brown William Boone Campbell Filissa Marie Caserta Mara Lynn Clamage Katherine Lee Comello Brian Peter Cromer

Mindy Louise Crookham Kristen Marie Danzo Patricia Bogan Dawson Julia Kave Edge-Knauff Jason Edward Farley Sarah Kathryn Gauger Catherine Mary Griswold Heather Duke Hack Alan Joseph Himmelsbach Karen Marjorie Hogan Robyn E. Holley Nancy E. Holmes Joanna Lynn Katz Ellen Louise Koehler Cynthia Jayne Leibig Tanya Lynn Minich Tara Morisseau-Leroy Momplaisir Bernadette Anna Mullen Paula Anne Ibello Murray Tammy Lee Nissly Penni Eugenia Parler Deborah Lee Pearson Arika Bree Roy Roxanne Rebecca Royce Susan Lori Shafer Naomi Yamashita Sperry Jennifer Ada Thate Sue Carol Verrillo Holly Ann Villepique Tam Mara Warczynski Ella Selwood Weinkle Linda Walters White Veda Orlova Yonehiro Craig Seth Zylka

### Masters of Science in Nursing/Masters of **Business Administration**

### The School of Narsing

Reginald Emmanuel Bannerman Cynthia L. Cohen Karen A. Gunsior Eleanor J. Gwynn-Knight Teresa Lynne Kessell Charlotte Mayo Wood

Masters of Science in Nursing/Masters of Public Health

### The School of Nursing

Marilyn Capestany Algire Derek Todd Ehrhardt **Judith Biletnikoff Harkins** Jennifer Lynn Horner Hwayun Lee Cassandra Adiba Okechukwu Anastasia Marie Pharris-Ciurei Mary Beth Pohanka Kristin Ann Weinhauer

### Gradnate Performance Diplomas

### The Peabody Conservatory of Music

Yoon Young Bae, Violin Jeremy Christian Blossey, Opera Meghan Elizabeth Carye, Baroque Violoncello Erin Kathleen Cavanaugh, Opera JeeYoung Choe, Flute Ji-Eun Choi, Piano Kyung Shin Choi, Voice Catrin Rowenna Davies, Voice Maria Isadora Dolan-Barnes, Voice Jorge Luis Espinoza, Chamber Ensemble Inna Faliks, Piano

Stephen Brock Fanning, Guitar Brook Ellen Ferguson, Flute Zane F. Forshee, Guitar Heeveon Han, Piano Stephanie Kai-Win Ho, Piano Laura Amy Hollander, Bassoon Elizabeth M. Johnson, Violin Jin-Young Jung, Voice Yoojin Jung, Harp Jaewook Kim, Clarinet Kyong Hee Kim, Voice Ran Do Kim, Flute Eun-Sook Lee, Viola Sonya Lifschitz, Piano Heather L. Lockard, Voice Robert MacDonald, Gnitar Elizabeth Sarah Mahler, Violin Joseph Robert McConkey, Guitar

Broc Everett Mertz. Double Bass Yuriko Osa, Piano SuhYoung Park, Flute Allyson Nichol Partin, Horn Andrea Elizabeth Priester, Viola Bradley Joel Ross, Voice Cody Russell, Viola Michael Sheppard, Piano Joohee Shin, Horn Sun Jee Song, Piano Akiko Sumi, Gnitar Jungwon Sun, Piano Daphne Wang, Violin Angela Warbritton, Horn Einav Yarden, Piano Jacob Yoffee, 7azz Piotr Zielinski, Guitar

### Masters of Music

## The Peabody Conservatory of Music

Jason Anthony Allen, Composition and Computer Music Composition Matthew Tano Bagasao, Piano SunYoung Bang, Piano Sarah Megan Bennett, Voice Rebecca Crossley Blank, Violin Susan Elizabeth Brown, Flnte Gwendolyn Patricia Burgett, Percussion Chi-chun Chan, Voice HuaChen Jocelyn Chang, Piano Wen-Mi Chen, Theory Pedagogy and Clarinet Yi-Ju Chen, Viola Ji-Won Choi, Double Bass Chung Won Chung, Piano André Ferreira de Moura, Gnitar Dimitri Carl Dover, Piano Kevin Richard Dufford, Percussion Laura A. Dunaway, Percussion Christopher Dennis Dunn. Guitar Patrick Durek, Guitar Erin Eyles Espinoza, Violoncello

Adrienne Foutz, Oboe

Piano/Pedagogy

Oscar Gonzalez Bravo,

Solomon R. Guhl-Miller, Donble Bass/Pedagogy Philip R. Hale, Music Education Soojin L. Han, Violoncello William Nicholas Hay, Voice Steven Andrew Hensley, Voice Sarah Ruth Hogan, Horn Trent A. Hollinger, Saxophone Su-Ting Hsu, Harp Hsiao-Pei Huang, Piano Jennifer Lynn Jackson, Piano Steven Jarvi, Conducting SooKyung Jeong, Viola Ann Teresa Kang, Piano Minah Kang, Piano Ayano Kataoka, Percussion Aeja NaRee Killworth, Viola Ji-soo Grace Kim, Piano Sou Euy Kim, Piano Sung Hee Kim, Piano Taehi Kim, Computer Music Composition Nicholas John Leonard Klein, Theory Pedagogy Yu-Fan Ko, Violin Wan-Yi Kung, Voice Angel On Ki Lam, Composition Justin Lavacek, Theory Pedagogy Chia-Jui Lee, Computer Music and Flute Jaesook Lee, Oboe Kyungmi Lee, Flute Sue-Jean Lee, Piano Sun Young Lee, Harpsichord Shane Aurel Lévesque, Piano/Pedagogy Hyun-Jeong Lim, Violin Yi-Hsin Lin, Violin Kristina Marie Lobenhofer, Piano William Alex Martin, Voice Christine Tara Maria Kavanagh Miller, Voice Matthew John Odell, Piano Yoko Oe, Piano Nicholas Ong, Piano Jun Young Park, Violin Soobin Park, Violin Hsiao-Yun Peng, Trombone Scott Eric Petersen, Composition Christopher William Pierce, Composition Jennifer Laura Press, Violin

Glenn S. Quader Jr., Conducting

Cameron Raecke, Viola

William Joseph Reisinger, Composition Jessica Rachel Renfro, Voice James Kellogg Richardson, Voice Eui Ran Ryu, Violoncello David Justin Saltzman, Tuba Melissa Jean Sky-Eagle, Piano Eric Scot Slegowski, Composition Asha Srinivasan, Theory Pedagogy John R. Stevenson. Music Education Chi-Ru Tai, Violoncello Jerome Hanshiong Tan, Piano and Piano: Ensemble Arts Monica T. Tripp, Composition Rebecca Shirley Turner, Violoncello I-Ta Wang, Piano Szu-Ying Wang, Violin Heejin Weisbrod, Violin Doris Wylee, Piano Yu-Ju Grace Yang, Horn Hee Jung Yoo, Piano Soo-young Yoon, Clarinet John Paul Young, Computer Music Research

#### Masters of Arts

### The Peabody Conservatory of Music

Jeffrey Eugene Babich,
Acoustics and Andio
Tyrone Kwesi Hunter,
Acoustics and Andio and
Andio Design
Lucky Shin-Jyun Tsaih,
Acoustics and Andio

### Masters of Science

### Bloomberg School of Public Health

Nicole Christine Ammerman,
Epidemiology
Kira Astrida Apse,
Health Policy and Management
Bethany Barbara Barone,
Epidemiology
J. Steven Bear Jr., Molecular
Microbiology and Immunology
Amy Cernetich, Molecular
Microbiology and Immunology

Nora S. Chen, Epidemiology Erin Kay Herrick, Health Policy and Management Ella Reese Hinson, Molecular Microbiology and Imminnology David Alex Jacobsohn. Clinical Investigation Nikhil Subash Joshi, Molecular Microbiology and Immunology Venkatesh Kambhampati, Molecular Microbiology and Immunology Kimberly A. Krummi, Epidemiology Elizabeth Brooke Lardy, Health Policy and Management Eugene Oh, Biochemistry and Molecular Biology Liam R. Smith, Biochemistry and Molecular Biology Afshin Sohrabi, Molecular Microbiology and Immunology Lily Somwaru, Biochemistry and Molecular Biology Chieko Tamura, Health Policy and Management

#### Masters of Health Science

Laura Ann Wilson, Biostatistics

### Bloomberg School of Public Health

Public Health

Sabrina Ahmed, Health Policy
and Management
Jim Aizire, Epidemiology
Deniz Mari Akinc, Epidemiology
Gorette Maria Amaral,
Population and Family Health
Sciences

Katherine Maria Andrinopoulos,
International Health
Brett Alyson Ange, Epidemiology

Brett Alyson Ange, Epidemiology Ayodola B.O. Anise, Population and Family Health Sciences Michael Alan Ankrom.

Michael Alan Ankrom, Clinical Investigation

Camelia Veronica Arsene, Population and Family Health Sciences

Gayle Janice Baker, Epidemiology

Rosalyn Elizabeth Baker, Health Policy and Management Alexander Balbir,

Environmental Health Sciences

Alex E. Bamiagis, Health Policy and Management Pivush D. Banker, Biochemistry and Molecular Biology Marie Patricia Beatty, Environmental Health Sciences Sean Michael Berenholtz, Clinical Investigation Craig Elliot Berzofsky, Biochemistry and Molecular Biology Maris A. Bondi, Health Policy and Management Garrett Scott Booth, Mental Hygiene Susan Elaine Brenneman. Environmental Health Sciences Douglas Bryan Brown, Health Policy and Management Jonathan David Brown, Mental Hygiene Kathryn A. Burke, Health Policy and Management Inés Verónica Bustamante, Mental Hygiene Olivia Toi Mei Chan, International Health Allen Ray Sing Chen, Clinical Investigation Clara A. Chen, Epidemiology Melissa Cheng, International Health Tou Choi, Epidemiology Jaclyn H. Chu, Epidemiology Monica Lynn Colombo, Biochemistry and Molecular Biology Joahnna E. Connolly, Health Policy and Management Stephen Owen Crawford, Epidemiology Darren L. Dahly, International Health Angeline Bertha David, Epidemiology Rozalin Davoodnia, International Health Diana H. Der Koorkanian, Health Policy and Management Lauren Nicole DiSano. Environmental Health Sciences Cara Marie Egan, Health Policy and Management

Cyrus Yezdi Engineer,

Health Policy and Management

Rachel Eve Ershler, Biochemistry and Molecular Maria Alejandra Estrada, **Epidemiology** Michael Roger Farrier, Health Policy and Management Maria Cristina T. Franceschini. International Health Martin W. Gehlhaus III. Environmental Health Sciences Jennifer Rous Gelker, Environmental Health Sciences Marie Louise Gravelle, International Health Mackenzie Shea Green. International Health Jessica Leslie Greene, International Health Jennifer Lynn Greenlaw, Environmental Health Sciences Amy Linne Fleming Grier, Environmental Health Sciences Anuja D. Gupta, Clinical Investigation Jinny Suk Ha, Biochemistry and Molecular Biology Caroline J. Hardy, Biochemistry and Molecular Biology Rachel Park Haws. International Health Lara Shiu-vi Ho, International Health Chun-Ju Hsiao, Health Policy and Management Kevin Jen Hsu, Health Policy and Management Deborah June Hunter, Health Policy and Management Derek Justin Inokuchi, Health Policy and Management Avanti Iver, Population and Family Health Sciences Dana C. Jaffe, Epidemiology Sasi Rekha Jonnalagadda, Epidemiology Lindsay Jorgensen, Epidemiology Kyahn Reza Kamali, Health Policy and Management Minsun Kang, Health Policy and Management

Preeti Kanodia,

Health Policy and Management

Tarmo Kariis, Mental Hygiene

Mahmooda Khaliq, International Health Mohammed Fahad Khan. Biochemistry and Molecular Maheruh Khandker, Population and Family Health Sciences Gina Cordaro Kline. Health Policy and Management Jeanne Gin-Ju Ko, Environmental Health Sciences Shanu Kohli, Biochemistry and Molecular Biology Courtney E. Krug, Biochemistry and Molecular Biology Suparna Neogy Lahiri, Health Policy and Management Ellen Jemmie Lee, Environmental Health Sciences Dara Ann Lehman, International Health Ching-Ching Lin, Health Policy and Management Eric Craig Mah, Maternal and Child Health Eric Michael Maiese, **Epidemiology** Gabriela Marein-Efron, Population and Family Health Sciences Laura Louise Mark, Environmental Health Sciences Maushumi Pramod Mavinkurve, International Health Jorge McDouall, Mental Hygiene Joseph Shawn Miles, Epidemiology Patrick James Miller, Health Policy and Management Vikrant Anui Mittal, Health Policy and Management Samia Mora, Epidemiology Esdras Cabus Moreira, Mental Hygiene Mona Mowafi, International Health Allison Mozzo, Health Policy and Management Tomoko Murayama, International Health Sofnias Nega,

Laura Ann Novelli, **Epidemiology** Naoko Ohno. International Health Gwen W. Oldenquist, Epidemiology Lou Hanar Paik, Health Policy and Management Pallav Kumar Parakh, Health Policy and Management Mayank A. Patel, Health Policy and Management Laura Marie Paulin, Environmental Health Sciences Carla Maria Perissinotto, Population and Family Health Sciences Charlotte Nicole Piens, Epidemiology Christopher Baxter Pierce, Epidemiology Andrea R. Pyatt, Mental Hygiene Niloufer Khurshed Randeria, International Health Sheila Ravi, Biochemistry and Molecular Biology Rahul Rawat, International Health Alexandra Roy, International Health Aaron Miles Samuels, International Health Amy Catherine Sander, Health Policy and Management Tharini Sathiamoorthy, Health Policy and Management Richard Semakula, Population and Family Health Sciences Michael Shaw, Health Policy and Management Rebecca Noelle Shaw, Epidemiology Yoko Shimada, International Health Ramesh Madhaviah Singa, International Health Rebecca Cole Skiles. Health Policy and Management Stephanie Lee Smith, Environmental Health Sciences Tamar G. Spolter, Health Policy and Management Paul Werner Staehle, Health Policy and Management Daniel Mark Stein,

International Health

International Health

Health Policy and Management

Zinnia Yee Ng,

Kristen G. Stover Gehlhaus, Biochemistry and Molecular Biology Anna Marie Theisen. Health Policy and Management Keson Theppeang, Environmental Health Sciences Ioanna Traverso. Health Policy and Management Amy Elizabeth Vastine, International Health Angela Lynn Ward, Health Policy and Management Karol Gallant Wicker, Population and Family Health Sciences Ellen Weiss Wiewel, Epidemiology Anne Elizabeth Wordsworth Wilder, Epidemiology Kristin M. Wilson, Health Policy and Management Erica Kathleen Witham, Health Policy and Management Mellissa Heatherley Withers Valverde, International Health Jean Wu, Epidemiology Cindy Shin-Yi Yen, Health Policy and Management Momoko Yoshitake,

### Masters of Public Health

International Health

Lin Zhang, Biostatistics

### Bloomberg School of Public Health

Scott K. Aberegg Shefali Agarwal Ayan Hussen Ahmed Abhijeet Anand Matthew Tanner Ardison Thomas Charles Arminio KoKo Aung Evelyn Kemi Balogun Jamy Adelina Barahona Helen Sophie Barold Iris D. Bazing Mark Edward Beatty David Benjamin Bekelman Deborah S. Belsky Gaurav Nikhilesh Bhattacharya Kara L. Odom Black Peter James Bloomfield Amy Lynne Boore

Shahdokht Boroumand Iana Caylor Bowcut Michelle Renee Bowers Delon F.P. Brennen Harilaos S. Brilakis Sharmayne Hall Brooks Melanie Michelle Brown Traci A. Brown Kerry Lee Bruce Lanette Elizabeth Burrows Claude G. Cadoux Michael A. Calabria Mary Margaret Cantwell Dawn Marie Carlson Dione J. Cash Gladys Chen Ilin Chuang Catherine H. Chung Elizabeth Crocker Cobb Kimberly Elise Connolly Colleen Jo Cooper Daniel Joseph Costigan Megan J. Coylewright Darshan Shailesh Dalal Winston George Churchhill De La Have Kathleen Camille Deener Teresa Maria Gutierrez **DePineres** Faith B. Dickerson Macaya Julie Douoguih Richard Lewis Dressler Prachi Dubey Amy Elizabeth DuBois Clarissa Marie Dudley Eseovhe Egborge Gloria Uwem Ekpo James Randall Elliott Lenworth Ransford St. Christopher Ellis Patrick Joseph Enders Danielle Ewing Adenrele Bamidele Fabayo Karine R. Faden Samantha Paulina Fontenelle Michele D. Forzley Katherine Louise Fox Jacqueline Nicole Francis Diane Lynn Francisco Karen Ruth Fratantoni Cathie Marie Frazier Randall Julian Freeman Mark Richard Freese Yatin R. Gadgil

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  Complementarity Models.
- Allen Lee Hiser Jr., Materials
  Science and Engineering.
  Determination of
  Toughness and Embrittlement for Reactor Pressure
  Vessel Steels Using
  Ultrasonic Measurements.
- Jennifer Jo Hooper, Materials Science and Engineering. Analysis of the Rivets from the RMS Titanic Using Experimental and Theoretical Techniques.

- Kamili Moja Jackson,

  Mechanical Engineering. The

  Mechanical Properties of 3C

  Thin-Film Silicon Carbide.
- Chunxin Ji, Materials Science and Engineering. Synthesis, Characterization, and Applications of Gold-Silver Alloy Nanowires and Nanoporous Gold Nanowires.
- Nevin Kapur, *Mathematical Sciences*. Additive functionals on random search trees.
- Bernard Edwin Koehr,

  Mechanical Engineering. An
  Experimental Study of the
  Mechanism of Air
  Entrainment by Planar
  Liquid Jets at a Free
  Surface.
- Sangyoon Lee, *Mechanical Engineering*. Pose Analysis in Image Registration and Protein Statistics.
- Jeffery Carl Lesho, Materials
  Science and Engineering.
  Embedded Damage Sensor
  Using Triboluminescence as
  a Transduction Mechanism
  for Detecting Failure of a
  Material Under Load.
- Alexis Catherine Lewis,
  Materials Science and
  Engineering. The Effect of
  Interfaces on the Stability
  and Mechanical Properties
  of Polycrystalline
  Multilayers.
- Anhua Lin, *Mathematical Sciences*. Projection Algorithms in Nonlinear Programming.
- Owen John-Thomas McCarty, Chemical Engineering. Flow Modulation of Receptor-Mediated Interactions in Inflammation and Cancer Metastasis.
- Keizo Miyahara, Mechanical Engineering. A General Kinematic Synthesis Method for Discretely Actuated Robotic Manipulators.
- Jinsuo Nie, Civil Engineering. A New Directional Method to Assess Structural System

- Reliability in the Context of Performance-based Design.
- Mark L. Ordowski, Electrical and Computer Engineering. Geometric Linear Discriminant Analysis for Pattern Recognition Systems.
- Markus Pahlow, Geography and Environmental Engineering.
  Atmospheric Boundary
  Layer dynamics and inversion technologies to obtain extinction coefficient profiles in the atmosphere from elastic lidar.
- Deng Pan, Mechanical
  Engineering. Mechanical
  Properties of Diffusion
  Aluminide Bond Coats for
  Thermal Barrier Coatings.
- Manuel Francesco Pellissetti, Civil Engineering. On Estimating the Error in Stochastic Model-Based Predictions.
- Michael Eric Reiss, Materials
  Science and Engineering.
  Multilayer Reactive Foils:
  Fabrication, Reaction
  Characterization, and Room
  Temperature Joining.
- Jennifer Lynn Schlegel,
  Materials Science and
  Engineering. Imaging the
  Spatial Variation of
  Dielectric Constant in
  Materials Using Microwave
  Near Field Microscopy.
- Xiaoyan Shao, Materials Science and Engineering. Synthesis and Characterization of Soft Magnetic Thin Films, Nanocomposites, and Nanowires by Electrodeposition.
- Christian Edward Skalka, Computer Science. Types for Programming Language-Based Security.
- David Andrew Smallwood, Mechanical Engineering. Advances in Dynamical Modeling and Control of Underwater Robotic Vehicles.

- Raymond Michael Sova, Electrical and Computer Engineering. Multi-Rate solition pulse train generator based novel fiber optic components.
- Arnold Michael Stux, Materials
  Science and Engineering.
  Cation Control of
  Energetics on DyeSensitized Nanocrystalline
  TiO<sub>2</sub> for Solar Cells for
  Solar Cells.
- Jackrit Suthakorn, *Mechanical Engineering*. Paradigms for Service Robotics.
- Denise Gail Taylor, Geography and Environmental Engineering. Influence of Gas Composition on Biofiltration of 1,2-Dichloroethane.
- Yinmin Wang, *Materials*Science and Engineering.
  Processing and Mechanical
  Properties of Nanostructured Copper.
- Richard Howard Wicentowski, Computer Science. Modeling and Learning Multilingual Morphology in a Minimally Supervised Framework.
- Jun Wu, Computer Science.

  Maximum Entropy

  Language Modeling Using

  Nonlocal Dependencies.
- Xiaoyi Wu, Mechanical
  Engineering. The Dynamic
  Growth of a Void in a
  Viscoplastic Material.
- Xiongjun Wu, Mechanical
  Engineering. Flow
  Structures, Mixing and
  Droplet Production in A
  Fuel-Water Stratified Shear
  Layer.
- Wang Yinmin, Materials
  Science and Engineering.
  Processing and Mechanical
  Properties of Nanostructured Copper.

#### Doctors of Philosophy

The Zanvyl Krieger School of Arts and Sciences

- Eric John Abrahamson, History. Hear Me Now: Competition, Regulation and the Pace of Innovation in Mobile Telephony in the United States, 1945–1984.
- Grant Andrew Alger, *History*. Floating Communities of the Min: River Transport, Society, and State in China, 1758–1889.
- James Joseph Allegro, *History*. Legislating Difference: Race, Law, and the Codification of Northern Provincial Society, 1620– 1765.
- Salvatore Jason Babones, Sociology. The International Structure of Income and Its Implications for Economic Growth, 1960–2000.
- George David Baca,
  Anthropology. The Culture of
  Post-Civil Rights Racial
  Politics in a Southern
  Military Town.
- Espelencia Marie Baptiste,
  Anthropology. A Nation
  Deferred: Language,
  Ethnicity and the
  Reproduction of Social
  Inequalities in Mauritian
  Primary Schools.
- Staci D'Ann Bilbo, Psychology.
  The NeuroendocrineImmune Axis in Siberian
  Hamsters: Proximate
  Mechanisms Underlying
  Seasonal Changes in
  Sickness Behavior and
  Immune Function.
- Myriam Bonilla, *Biology*. Endoplasmic Reticulum Stress Linked to Calcium Signaling in *Saccharomyces* cerevisiae.

- Dominique Josiane Brancher, Romance Languages and Literatures. LE VOILE DE POPPÉE. Les ambiguïtés de la pudeur dans le discours médical à la Renaissance (1570–1620).
- Annelise Morani Brody,
  Romance Languages and
  Literatures. Virginitas: La
  crisi del mito della
  perfezione nella tradizione
  letteraria del Rinascimento
  (Virginitas [Virginity]: The
  Crisis in the Myth of Perfection in the Renaissance).
- Thomas Ford Brown, *Sociology*. Class, Work, and Racial Tolerance.
- Kim Elizabeth Butler, *History* of Art. Full of Grace: Raphael's Madonnas and the Rhetoric of Devotion.
- Ronald Keith Byrd Jr., *Biology*. The Role of the *Gypsy* Insulator in Nuclear Organization.
- Daniel John Callcut, *Philosophy*. Bernard Williams and the End of Morality.
- Elena Markell Calvillo, History of Art. Imitation and Invention in the Service of Rome: Giulio Clovio's Works for Cardinals Marino Grimani and Alessandro Farnese.
- Esperança Maria Camara, *History of Art.* Pictures and Prayers: Madonna of the Rosary Imagery in Post-Tridentine Italy.
- Byungchul Cha, Mathematics.
  Vanishing of Some
  Cohomology Groups and
  Bounds for the ShafarevichTate Groups of Elliptic
  Curves.
- Ying Chen, *Physics and*Astronomy. Investigation of
  Quasi-one-dimensional
  Antiferromagnets by
  Neutron Scattering.

- Mimi Ko-shing Cheng, *Biology*. Genetic and Molecular Analysis of ASH2: A Drosophila Trithorax Group Protein Involved in Chromatin Modification and Transcription Regulation.
- Lizet Brøkner Christiansen,

  Earth and Planetary Sciences.

  Submarine Hydrogeology in

  Volcanic Seamount

  Environments: An Analysis

  of Compactions- and

  Buoyancy-Driven Fluid Flow.
- Kathlyn Mary Cooney, *Near Eastern Studies*. The Value of Private Funerary Art in Ramesside Period Egypt.
- Alain D'Hoore, *Economics*. Essays on Taxation and Financial Intermediation.
- Charles Weston Danforth, Physics and Astronomy. Interstellar Matter Kinematics in the Magellanic Clouds.
- Theo Davis, *English*. Types of Experience: Form and Affect in American Literature, 1828–1856.
- Craig Richard Dethloff, Classics. Corpus of Inscriptions of the Goddess Hestia.
- Stephen G. Dillingham, Philosophy. Cosmological Reconsiderations: The Ontological Status of Lambda in the General Theory of Relativity.
- José Domínguez-Burdalo,
  Romance Languages and
  Literatures. The Cuban
  Connection. Cuba en la
  trayectoria intelectual
  española del siglo XX:
  Miguel de Unamuno, Juán
  Goytisolo y Javier Marías.
- Olivia Erin Doyle, *Biology*. Cajal bodies, sites of RNA polymerase II localization and modification.

- William John Drury III, Chemistry. Development of New Catalytic Methods, and Ligands, for the Preparation of Nitrogen Containing Compounds.
- Travis Clark Dudding, Chemistry. Methods for the Catalytic Enantioselective Synthesis of α-Amino and β-Aspartic Acid Derivatives.
- Karen Yun-jung Fang, English. Empire of Signs: Print Capitalism and Literary Authority in Romantic Britain, 1816–1833.
- Carolyn Anne Fitch, *Biophysics*.

  Computational Studies of
  Molecular Determinants of
  pKa Values and Electrostatic
  Contributions to Stability in
  Proteins.
- Alison Sara Fletcher, *History*. "With My Precious Salvation and my Umbrella": the London Missionary Society and the Making of Empire in Early Victorian Britain.
- François Furstenberg, *History*. Civic Texts, Slavery, and the Formation of Amercian Nationalism.
- Nicholas Hine Gajcowski, *Mathematics*. Cohomology of Arithmetic Groups.
- Michael Dean Garral, *Philosophy*. Hume and the Evaluative Realm.
- Jonathan Mark Gelbord,
  Physics and Astronomy.
  Probing Circumnuclear
  Material in Seyfert Galaxies
  with X-ray Spectroscopy.
- Dolanchanpa Ghosh, *Biology*.

  Boundary Elements in *Drosophila* and Their Role in Nuclear Organization.
- Stefano Giannini, Romance
  Languages and Literatures.
  The Writer in the Coffeehouse: The Provincial Muse
  of Piero Chiara, Vittorio
  Sereni, and Lucio
  Mastronardi.

- Kristina Marie Giannotta, Classics. The Many Faces of Mars: the Worship of Mars in the Roman Republic.
- Guido Maria Giglioni, History of Science, Medicine, and Technology. The Genesis of Francis Glisson's Philosophy of Life.
- Matthew Andrew Goldrick, *Cognitive Science*. Patterns of sound, patterns of mind: Phonological regularities in speech production.
- Lynn Karen Gorchov, *History*. Sexual Science and Sexual Politics: American Sex Research, 1920–1956.
- Christopher Mark Grau, *Philosophy*. The Irreplaceability of Persons.
- Rodolfo Guzman, Romance Languages and Literatures. Ciudad, escritura e identidad: surgimiento y consolidación del criollo en Santafé de Bogotá (1586–1808).
- Bethany Anne Halford,
  Chemistry. Part I: Conceptually New Low-calcemic
  Analogs of the Hormone
  1α,25-Dihydroxyvitamin
  D3: Design, Synthesis and
  Biological Evaluation.
  Part II: One-pot, Multicomponent, Sequential
  Reactions: Synthesis of
  Diverse, Functionalized
  E-octeneolides and Novel
  Fused Cyclopropyl
  Tetrahydrofurans.
- Korie Ellen Handwerger, Biology. Structural and Functional Dynamics of Cajal Bodies.
- Jonathan Daniel Heller,
  Biology. Discovery and
  Mechanism of the Anticancer Chemotherapeutic
  Tetra-O-Methyl
  Nordihydroguaiaretic Acid.

- Kevin Michael Henry, Chemistry. The Conversion of Versicolorin to Sterigmatocystin in Aflatoxin Biosynthesis.
- Williamjames Hull Hoffer, History. Leviathan Bound: Changing Congressional Concepts of the U.S. Administrative State, 1858–1891.
- Jocelyn Holland, *German*.

  Poetic Procreation: Goethe,
  Novalis, F. Schlegel, and
  E.T.A. Hoffmann.
- Marguerite Elizabeth Hoyt, History. You Have a Date with a Blond Bond: Women in Anglophone World War II Poster Art.
- Yingyao Hu, Economics.
  Estimation of Nonlinear
  Models with Measurement
  Error Using Marginal
  Information.
- Susannah Charlton Humble, History. From Royal Household to Royal Court: A Comparison of the Development of the Courts of Henry VII of England and D. Manuel I of Portugal.
- Yi Ji, *Physics and Astronomy*. Spin-Dependent Transport Through Point-Contacts.
- Elizabeth Kay Johnson,

  Psychology. Word segmentation during infancy: The role of Subphonemic cues to word boundaries.
- Walima Tuesday Kalusa, History. Disease and the Remaking of Missionary Medicine in Colonial North-Western Zambia: A Case Study of Mwinilunga District, 1902–1964.
- Yukio Kawano, Sociology. Social Determinants of Immigrant Selection on Earnings and Educational Attainments in the United States, Canada and Australia, 1980–1990.

- Daniel Akiva Kirsch, Near Eastern Studies. The Importance of Looking East: A Study of the Domestic and Foreign Policies of the Kings of Israel and Judah with Regard to Transjordan.
- Scott Gabriel Knowles, History of Science, Medicine, and Technology. Inventing Safety: Fire, Technology, and Trust in Modern America.
- Naida Lacevic, *Physics and Astronomy*. Dynamical heterogeneity in simulated glass-forming liquids studied via a four-point spatiotemporal density correlation function.
- Guy Lazure, *History*. To Dare Fame: Constructing a Cultural Elite in Sixteenth Century Seville.
- Jung-Jo Lee, *Mathematics*.

  Bounding Ranks of Elliptic Curves.
- Sangjik Lee, *Economics*.

  Equilibrium Theory in
  Infinite Dimensional Spaces.
- Lisa Zarin Soleymani Lehmann, *Philosophy*. Responding to Religious Reasons in Medicine.
- Adam James Lewandowski,

  Physics and Astronomy.

  Effective Field Theory from
  Phenomenology to Extra
  Dimensions.
- Zhenlan Li, *Chemistry*.

  Energetics of Folding and DNA Binding of Homeodomains.
- Fei Liu, Earth and Planetary Sciences. A Sensitivity Study of a General Circulation Model With Enhanced Short-wave Atmospheric Absorption.
- Sofia Beatriz Lizárraga, *Biology*. Regulation of Spindle Assembly by the Ran Pathway.
- Jennifer Mae Lotz, *Physics and Astronomy*. The History of the Evolution of Dwarf Galaxies.

- Baldo Lucchese, Chemistry.
  Recognizing and Predicting
  General Trends in the
  Reactivity and Chemistry of
  a Series of Related Copper
  Complexes.
- Ruth Ellen Mack, English.
  Literary Historicity: Literary
  Form and Historical
  Thinking in Mid-eighteenthcentury England.
- John Patrick Maxwell, Chemistry. Part I. Design, Synthesis, and Evaluation of Antimalarial 1,2,4-Trioxanes Part II. Ketone Enolate-Epoxide Openings.
- Carlota Pierce McAllister, Anthropology. Good People: Revolution, Community, and Conciencia in a Maya-K'iche' Village in Guatemala.
- Jeffrey Warren McClurken, History. After the Battle: Reconstructing the Confederate Veteran Family in Pittsylvania County and Danville, Virginia, 1860–1900.
- Jeri L. McIntosh, *History*.
  Sovereign Princesses: Mary and Elizabeth Tudor as Heads of Princely Households and the Accomplishment of the Female Succession in Tudor England, 1516–1558.
- Jason Lee Metcalfe,

  Mathematics. Global

  Strichartz estimates for solutions of the wave equation exterior to a convex obstacle.
- Elham S. Mohammadi, *Biology*. The role of adenoviral E4 34k protein in chromosomal double strand break repair.
- Krystyn Rozalia Legg Moon, History. Yellowface: Creating the Chinese in American Popular Music, 1850s–1920s.
- Susanne Catharine Moyer, Chemistry. Phosphotyrosine Peptide Fragmentation by Atmospheric Pressure

- Matrix-Assisted Laser Desorption/Ionization Ion Trap Mass Spectrometry.
- David Peter Dell Munns, History of Science, Medicine, and Technology. "Wizards of the Micro-Waves": A History of the Radio Astronomy Community.
- Kristin Kay Nastase, *Biology*. The role of homeotic gene regulators in chromatin modification and transcription.
- Bettina Amilie Ng'weno,
  Anthropology. The State in
  Question: Afro-Colombians,
  Ethnic Territories and
  Governing in the Andes.
- Scott James Nowak, Biology.
  Covalent Modifications of
  Histone N-Terminal
  Domains During
  Transcription in Drosophila
  melanogaster.
- Richard Park, *Biology*.
  Inhibition of the Herpes
  Simplex Virus Type 1 by
  Three NDGA Deriviatives:
  Mal.4, M<sub>4</sub>N and G<sub>4</sub>N.
- Susan Parrish, *Biology*.

  Characterization of the mechanism of RNA interference in *Caeuorhabditis elegans*.
- Eric West Peng, *Physics and Astronomy*. The Stellar and Dark Matter Halo of NGC 5128 (Centaurus A).
- Giancarla Periti, History of Art. Antonio Allegri of Correggio: Private Art, Reception and Theories of Invention in Early Sixteenth-Century Emilian Painting.
- Marion Picker, *German*. Der konservative Charakter. Walter Benjamin und die Politik der Dichter.
- Rui Benrós Proença, *Biology*. Evolution and Developmental Functions of Mesocentin—a Novel *C. elegans* Extracellular Matrix Protein.

- Yiming Qiu, *Physics and Astronomy*. Neutron Scattering Study of Frustrated Magnets.
- Raymond Josef Rennard, *Philosophy*. Narrow Content and Wide Psychology.
- Kurt D. Retherford, *Physics and Astronomy*. Io's Aurora: HST/STIS Observations.
- Aki Roberge, *Physics and Astronomy*. Ultraviolet
  Spectroscopy of
  Circumstellar Disks.
- Ping-Ping Rong, Earth and Planetary Sciences. The Breakup of the Stratospheric Polar Vortices.
- Tracy Marie Roof, *Political Science*. The More Things
  Change, the More They
  Stay the Same.
- Amy Debra Rosenbaum, Political Science. Legislating Across Party Lines in Congress: Crosspartisan Coalitions in Theory and Practice.
- Jennifer Jane Ross, *Biology*. The Arabinose Response of AraC, Mechanistic Studies.
- Elizabeth Grace Rottenberg, *Humanities*. Inheriting the Future.
- Joerg Rottler, *Physics and Astronomy*. Deformation and
  Failure of Glassy Materials.
- William David Scott,

  Humanities. Writing from
  the Left: Race, Gender, and
  the Critique of Representation in the Great Depression.
- J. Todd Segal, *Political Science*.
  Why Americans Don't
  Trust Government and
  Why They Sometimes Do:
  Trust in Government in the
  United States From the
  1960s to the Present.
- Eva Maria Sierminska,

  Economics. Welfare and
  Immigrants' Choice
  Residency, and Female
  Income Differentials with
  Means-Tested or Universal
  Benefits: Two Essays.

- Melanie Soderstrom, Psychology. The Acquistion of Inflection Morphology in Early Perceptual Knowledge of Syntax.
- Martin Sommer, *Economics*. Essays on Inflation Dynamics and Consumption Behavior.
- Arash Sotoodehnia, *Economics*. Credit Cycles in a Dynamic, Stochastic, Monetary, General Equilibrium Framework.
- Jennifer Claire Stern, Biology.
  Single-Stranded DNA
  Recognition by F Factor
  Tral and the Tral Relaxase
  Domain.
- Richard Thomas Stillson,

  History. Golden Words:

  Communications and
  Information Dispersal in the
  California Gold Rush.
- Matthew Brandon Stone, Physics and Astronomy. Quantum Critical Behavior of Low Dimensional Spin 1/2 Heisenberg Antiferromagnets.
- Andrew Edmund Taggi, Chemistry. The Development of Novel Methodology for Catalytic Asymmetric Synthesis With Ketenes.
- Robert Tchaidze, *Economics*.

  Analyzing Monetary Policy in a Real-Time Setting.
- Christina Ann Tremonti, Physics and Astronomy. The Physical Properties of Low Redshift Star Forming Galaxies: Insights From the Space-UV and 20,000 SDSS Spectra.
- Kathryn Elizabeth Trevenen, Political Science. Engaged Cosmopolitanism: Politics Beyond and Below the Nation.
- Daniel W. Udwary, *Chemistry*. Investigations of Interesting Enzymes in the Early and Late Stages of Aflatoxin Biosynthesis.

- Delia Velculescu, *Economics*.
  Essays on the Fiscal Policy
  Implications of Habit
  Formation.
- Anthony Jon Wagner,
  Chemistry. Degradation of
  Fluorine-Containing
  Organic Thin Films and
  Organohalides Mediated by
  Ionizing Radiation:
  Nitrogen-Based Surface
  Modification of Polymers
  and Metallization of
  Nitrogen-Containing
  Polymers.
- Yuhong Wang, Chemistry.
  Time-Resolved Infrared
  Study of the Photoinduced
  Wolff Rearrangement and
  Carbene Intermediates.
- Brian Matthew Warren, Classics. He Polis gar Dustokei: The Question of Alcibiades in Aristophanes and Thucydides.
- Arnd Wedemeyer, *Humanities*. Expanses of Thought: Interpretations of Spatiality from Kant to Heidegger.
- Bruce Wells, Near Eastern Studies. The Law of Testimony in the Pentateuchal Codes.
- Shoujun Xu, *Chemistry*. Negative Ion Photoelectron Spectroscopy of Molecular and Cluster Anions.
- Mei Yang, Chemistry. Iron(II) and Ruthenium(II) Polypyridyl Complexes as Photosensitizers.
- Huiyan Zhang, *Economics*. Essays on Business Cycles.
- Andrew Zirm, *Physics and Astronomy*. Stellar Hosts, Aligned Light and Polarization of High-Redshift Radio Galaxies.
- Viktor Ziskin, *Physics and Astronomy*. Simulations of Clusters of Galaxies with Thermal Conduction.







# Office of the Registrar

75 Garland Hall / 3400 N. Charles Street Baltimore MD 21218-2688 410-516-8080

July 2003

For those who use the Commencement Program as an official record of the awarding of degrees, please note the following changes to the 2003 Commencement Program:

1. General Honors Page 25 - 26

Add: (Arts&Sciences) Ivan Kiryluk Putizger

(Part-Time Engineering) Jarrett Foster Reid

Departmental Honors (Arts & Sciences) Page 27 - 28

Add: Colleen Anne Coyne, Writing Seminars

Hillary Drumm, History of Art

Sarah Beddow Gibson , Writing Seminars
Abby Erin Grossberg , Writing Seminars
Kristopher Jan Jansma , Writing Seminars
Frederick S. Kingston , Writing Seminars
Martin Justin Marks , Writing Seminars
Skye Heather McFarlane , Writing Seminars
Alicia Mary Mitchell, International Studies
Amelia Paige Morris , Writing Seminars
Brandom Roy Nielsen , Writing Seminars
Diana Kim Park , Writing Seminars
Dae Sung Park, International Studies

Christina Therres Pommer, Writing Seminars

Jill Diane Rafson, Writing Seminars

Stephen Harris Schenck ,Writing Seminars Maxwell Rezin Sobolik ,Writing Seminars Meredith Carroll Ward ,Writing Seminars Emily Anne Wentzell ,Writing Seminars

Delete: Irene Ai-Lin Cjhang, Neuroscience

Shannon Lee Dean, Neuroscience Joshua Charles Franklin, Neuroscience Joann Hye Yun Kang, Neuroscience Hyun Kyong Lee, Neuroscience

Kenneth Christopher Novoa, Neuroscience Gary William Swain, Jr, Neuroscience 2. Bachelors of Science in Biomedical Engineering (Engineering) Page 29

Add: Lee Y. Lin

Kiran Reddy Palreddy

Delete: Charles Grahe Danko

Eunnam Nami Kim Joseph Anthony LaRosa

Isil Oge

Aimee Inzu Wu

3. Bachelors of Science in Computer Engineering (Engineering) Page 30

Add: David Norris

4. Bachelors of Science in Computer Science (Engineering) Page 30-31

Add: Eric Thomas Buchanan

Joshua Cranston Yichao Song

Delete: Lukas Adam Wojtasek

Victor Weitao Yang

5. Bachelors of Science in Electrical Engineering (Engineering) Page 31

Delete: Isra Sunhachawi

6. Bachelors of Science in Mechanical Engineering (Engineering) Page 31

Add: Justin Thomas Barnowski

Delete: James Eugene Daniel Jr.

Benjamin G. Purdy

7. Bachelors of Arts in Biomedical Engineering (Engineering) Page 31

Add: Eunnam Nami Kim

8. Bachelors of Arts in Computer Science (Engineering) Page 31

Add: Michael James Montanye

Delete: Charalambos Jean Antoniou

9. Bachelors of Arts in Mathematical Sciences (Engineering) Page 31

Delete: Hannah Lynn Lammé

## 10. Bachelors of Science in Biology (Arts and Sciences) Page 32

Jennifer Nicole Larson Add:

Delete: Ishwaria Chandramohan

# 11. Bachelor of Arts (Arts and Sciences) Page 32 - 35

Add: Vamsi Ali Margo Elizabeth Hennigan

> Sinan Sadi Arkin Martha Brent Neale Valerie Anne Bazelais Victor Mark Mungen

Daniel Joseph Denihan Dickson Tang

Delete: Joel Lawrence Carlin Kian Messkoub Christopher Ryan Cook Wilson Orvis

> Ashley Megin Everett Thomas Andrew Parry

Vincent A. Faust Michael Pesi

Ryan Michael Ford Ana Lauren Rosner **Syed Omar Hassan** David Walter Silverstone Hoi Man Connie Ho Timothy A.E. Slack Chang-Berm Kang Rachael Leigh Stewart Hidehiro Takematsu Hyun-O Kim Jason P. Kim Lana Valenzuela John Andrew Kwari Steven Peter Vallone

Jennifer Nicole Larson Mark Allan Verber Virginia Lee Maxim Zaporozhski

Karen Marie Zeleznock

Sherree Evet Lee

Daniel Yuo-cheng Lin Anna Justyna Litewka

#### 12. Bachelor of Music (Peabody) Page 35

Delete: Jeanette Hyejin Kim, Piano

Nikos A. Pittas, Violin

Sultan Abdus-Salaam Shakir, Double Bass

Brian James Thompson, delete second major of Recording Arts and Sciences Note:

#### 13. Bachelors of Science (School of Nursing - May 2003) Page 35

Delete: John Eric Crammer

Delete: Mark Edward Beach

#### 14. Bachelor of Science (School of Professional Studies in Business and Education) Pages 36 - 37

Wei Chang Mark Edwin Long Derrick Kevin Lee Frank Edward Troska

#### 15. Graduate Certificates in Business (School of Professional Studies in Business and Education) Pages 37 - 39

Add: Manjit Kaur, Investments

Nachum Schlaff, Investments

Delete: Kimberly Eloise Cole

Christopher Lawrence Diez

Teresita Kidd

#### 16. Graduate Certificates in Education (School of Professional Studies in Business and Education) Page 39-40

Delete: Johahn B. Oliphant

Lisa E. Olson

#### 17. Master of Science (School of Professional Studies in Business and Education) Pages 40-46

Add: Aisha Artis, Education

Sherina Bonaparte-Latorre, Education Donna Marie Hnyla, Education

Ben Magee, Information and Telecommunication Systems Melissa Ord, Information and Telecommunication Systems

Leonardo Reos, Finance

Joseph Whalen, Organization Development and Human Resources

Delete: Lisa Marie Anthony Charles Alan Morgan

Cindy Brown Barnes Gilberto Munoz-Cornejo
Michael Emmanuel Beidler Melvin Wayne Porter
Elzora Bellamy Cynthia Anita Rawlings

Katherine W. Bentzen James M. Riggs

Mitchell John Bonanno Dorothy Alexandra Rostkowski

Stephanie Alyse Broderick Diana P. Salazar

Dennis Dale Burke James Andrew Schroeder
Samuel Patrick Caldwell, Jr. Lisa Helen Shapiro
Todd A. Carpenter Denise Bridgeman Sweat
Joyce Merlene Coleman Patricia Monica Varela
Patricia Parmenter Foye Ryan James Whitaker

Shalonda S. Lincoln Linda Lee Yost

Change: Yvette Desireé Tate - Delete Information and Telecommunication Systems. Add - Management

Nachum Schlaff

#### 18. Masters of Business Administration (School of Professional Studies in Business and Education) Page 46 - 48

Lauren Kronthal Zachary Adam Wolf

Adrien McLauren-Crawley

Charles Kolb

Add:

Delete: Peter K. Bryant Greenwod William Henry Roberts

Wilson Nhliziyo Paul Thomas Rogers

Brenda Irene Poston Seth S. Troy

#### 19. Master of Arts in Teaching (School of Professional Studies in Business and Education) Page 48 - 49

Add: Darel Jenkins

> Kerry Lowell Martin Skylar David Van Soest

Delete: Jose F. Alonso

Jessie Joseph Lewis Michele Yvette Amerson Rebecca Jane Lindsay Aisha Karimah Artis Jeffrey T. Mintiens Damian M. Ayichi Ronita Aliece Morsell Jerrell Wilson Baker Natasha Elizabeth Myers Ian Patrick Bartman Nazanine Nabaiee Yahbome Bash-Tagi Desireé Anne Nelson Pamela Olivia Beaty John Kaleimomi Notley Cathy Ann Berry Marie Laurie Parfait Sherina Lynn Bonaparte-LaTorre

Soyoung Park **Robin Bloom Brills** Denise Ann Paul Fatimah Shani Burnam Marta Elena Pavon Kristi Gayle Peter TaMara Rose Campbell Deborah Michelle Clevinger Sheree Denise Price Karen Elaine Cole Deborah Jane Rifkin Antoinette Crookes Courtney Leslie Robinson

Victoria Hamilton Arthur Satti, III

Crystal Kimberly Harden Richard Brian Shemer Paul Michael Hines Tara L. Shugarts Jacquelyn L. Jones Anisa LaShawn Stubbs

Heather Suzanne Kalish Christopher Anthony Turner

Peter Francisco Kenah JaOuay Denise Waller Saghar Sereena Khalihan Eva Paulette Wortherly Susanne Elizabeth Kirby Diana Jenying Yu Caryn Lynn Lazerowich Andrew Robert Zapke

## 20. Post -Master's Certificates in Education (School of Professional Studies in Business and Education) Page 50

Add: Evan Paul Anderson, Organizational Counseling

#### 21. Masters of Science in Nursing (Nursing) Page 50

Add: James Benjamin Bryant Jr.

Delete: Roxanne Rebecca Royce

#### 22. Master of Science Nursing/Master of Public Health (Nursing) Page 50

Delete: Kristin Ann Weinhauer

#### 23. Graduate Performance Diploma (Peabody) Page 50

Add: Judy B. Connelly, Organ

Delete: Yoon Young Bae, Violin Bradley Joel Ross, Voice

Ji Eun Choi, Piano Joohee Shin, Horn Kyung Shin Choi, Voice Jacob Yoffee, Jazz

#### 24. Masters of Music (Peabody) Page 51

Add: Lisa M. de Alwis, Musicology

Delete: Taehi Kim, Computer Music Composition

Sun Young Lee, Harpsichord

Yoko Oe, Piano

Cameron Raecke, Viola

#### 25. Master of Arts (Peabody) Page 51

Add: Ryan L. Simms, Recording & Production

#### 26. Masters of Health Science (Public Health) Page 51 - 53

Add: Elizabeth P. Grant

Delete: Brett Alyson Ange Michael Roger Farrier

Alexander Balbir Courtney E. Krug
Susan Elaine Brenneman Patrick James Miller
Clara A. Chen Christopher Baxter Pierce

Monica Lynn Colombo Richard Semakula

#### 27. Masters of Public Health (Public Health) Page 53 - 54

Add: Sarah D. Byun

Nichol Ann McBee

Delete: Flor de Maria Lourdes Gutierrez

Shauna Patrice Stupart

#### 28. Master of International Public Policy (School of Advanced International Studies) Page 54

Add: Yi-Cheng Jou

Sergei Malashenko Mark Samuel Riley

Delete: Oscar O. Brooks Pablo Pardo Naredo

Charles Alastain V. Coutts Rodrigo Daniel Valderram Aramayo

Akash Zafir Hoque Ibrahim Mohsen Zabad Miho Morikawa Victoria Zaretskaya

#### 29. Master of Arts (School of Advanced International Studies) Page 54 - 56

Add: Donald Bernard

Joseph Fenwick Freeman Aude Langlois-Meurinne John Albert Lucas

Anne Elena Openshaw

Delete: Orn Arnarson

Kristen E. Astor Sefa Sadik Aytekin

Vivian Marten Bernstein Ja-Yoon Choi Antonio Perez Cruz Roman Didenko

David Dzhmukhadze

Michael Drucker

Eric Epstein

Ranah Leila Esmaili

Greg Grant
M. Adnan Iqbal

Niharika Chibber Joe

Michael Karie Mehmet Akif Kayapinar

Lauren A. Kelly

Timothy Levon Parker Brant Atwood Silvers

Julia Elizabeth Tock Paul David Vicino Aaron M. Zack

Charmhee Kim

Lisa Levine Nancy Loh

Lisanne MacColeman Carl Victor McCoy Tuyen Nguyen Benjamin Z. Orbach Bindi K. Patel

Patrick Anthony Porter IV Timothy Charles Isber Reuter

Karim Sadjadpour

Natalia Denise Senmartin

Roia Shefayee

Widya Endang Setiawaty Sutiyo

Sam Jozef Vanuytsel David A. Wagner

## 30. Graduate Certificates (Engineering) Page 56

Correction:

Edward Arthur Urbank should be Urbanik

#### 31. Masters of Civil Engineering (Engineering) Page 56

Delete:

James Young Lee

#### 32. Masters of Environmental Engineering (Engineering) Page 56

Correction:

George Meredith should be George Meredith Wheeler

#### 33. Masters of Science (Engineering) Pages 57 - 62

Add:

Mark W. Sangillo, Systems Engineering

Delete: Ihab Maurice Abdou

Michael Joseph Breekon Greg Alan Cassagne David Gene Chandler

Baiyang Chen Shawn Edward Cuthbertson

Nimish Bhasker Desai

Lt. Lonnie L. Fields

Mark Edward Fioravanti II Thomas Anthony Frosch Mark Hayes Gyorgy Arthur William Hinaman Christian F. Kammogne Tainera Reneé Kennard

Tonette Renee Morgan King Mark Edward Mathews Jacqueline Celeste McAdoo Timothy Edward Meeks

Sharon Pesto William Daniel Pettitt

Larry Allas Ramirez

Melissa Dawn Schech Christopher W. Steiling **Timothy Rodrick Thomas** John Patrick Van Hooser Carol LaVerne Walters Heath Elkington Warren

34. Masters of Science in Engineering (Engineering) Pages 62

Add:

Biayang Chen, Geography and Environmental Engineering

Carol El-Hayek, Civil Engineering

Cristian Dobrogeanu Cionea, Mechanical Engineering

Delete:

Carolyn Sara Cooper

Le Lu

Bodhisattva Debnath Chae Ryon Kong Arun Kumar

Victor Po-Hsien Lee

James Dominic Susinno Nelson Chen Yang Victor Weitao Yang

Chirag Bihesh Patel

Huay Wen Lim

35. Masters of Arts (Arts and Sciences) Page 63 - 64

Delete:

Dawn Marie Ring, Mathematics

36. Certificate of Biology Enterprise (Arts & Sciences) Page 64 (Add Degree Title)

Add:

Abigail Lena Jenkins

37. Masters of Science in Biotechnology (Arts and Sciences) Pages 64 - 65

Add:

Melissa Lynn Longenecker Jennifer Irene Swallwell

Delete:

John F. Barrett

Hoang Steve Ngo

Archie Lee Christian II

Natalie Phelps

Lois Amber Harried

Dominick Paul Sillitti

Correction:

Quinn Kin-Wung Chan should be Kiu

38. Masters of Science in Environmental Sciences (Arts and Sciences) Page 65

Add:

Susan Ellen Bruninga

Delete:

Tara Jeanette Frates

Andrew Douglas Haddow

39. Master of Arts in Applied Economics (Arts and Sciences) Page 65

Delete:

George Forrest Wunder

#### 40. Master of Arts in Communication in a Contemporary Society (Arts and Sciences) Page 65

Delete:

Maliki Blaque

Lindsey Michelle Jarboe Donna Perkins Potts

41. Master of Arts in Government (Arts and Sciences) Page 65 - 66

Add:

Jodi Lee Hanson

Jessica Catherine Peck

Delete: Gerard N. Bratwaite Sturgeon

Kevin Russell Carter Virna Lisa Elly

ly Jerald Henry Walz

Mary Angela Lehman

John Sterling Oxford

Pamela Graves Moore

42. Masters of Liberal Arts (Arts and Sciences) Page 66

Delete:

Jorge A. Estrada

Greg Gagnon

43. Master of Arts in Writing (Arts and Sciences) Page 66

Add:

Wilder Damien Smith

Delete:

Karen Anne Gravois Elliott

44. Doctors of Philosophy (Engineering) Page 72 - 73

Delete:

Wang Yinmin, Materials Science and Engineering



