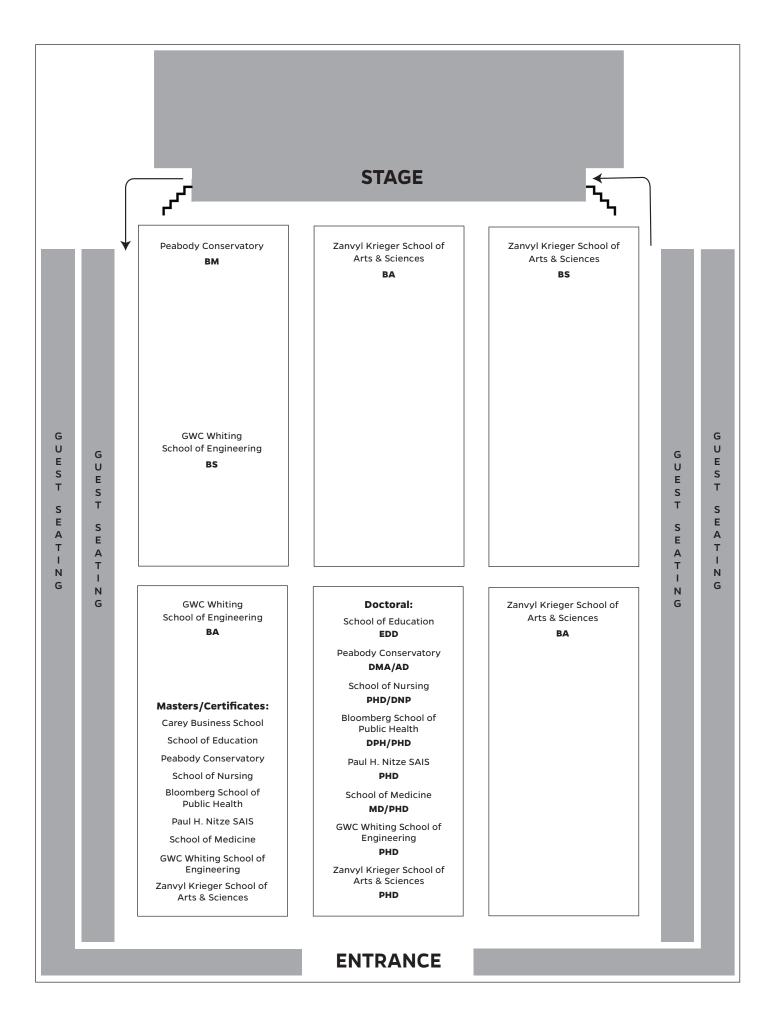
THE JOHNS HOPKINS UNIVERSITY

COMMENCEMENT 2017

Conferring of degrees at the close of the 141st academic year MAY 24, 2017





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Please note that while all degrees are conferred, only doctoral and bachelor's graduates process across the stage. Taking photos from your seats during the ceremony is allowed, but 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 GradImages®: gradimages.com or (800) 261-2576.

A limited number of large-print copies of this program booklet are available at the program distribution tables near the arena entrances.

Order of Candidate Procession

Bachelors — Peabody Conservatory Bachelors — G.W.C. Whiting School of Engineering Bachelors — Zanvyl Krieger School of Arts and Sciences Doctors of Education — School of Education Doctors of Musical Arts — *Peabody Conservatory* Doctors of Nursing Practice and Doctors of Philosophy — School of Nursing Doctors of Public Health and Doctors of Philosophy — Bloomberg School of Public Health Doctors of Philosophy — Paul H. Nitze School of Advanced International Studies Doctors of Medicine and Doctors of Philosophy - School of Medicine Doctors of Philosophy — G.W.C. Whiting School of Engineering Doctors of Philosophy — Zanvyl Krieger School of Arts and Sciences Masters, Certificates, and Bachelors — Carey Business School Masters, Certificates, and Bachelors — *School of Education* Performance Diplomas and Masters — Peabody Conservatory Masters — School of Nursing Masters — Bloomberg School of Public Health Masters — Paul H. Nitze School of Advanced International Studies Masters and Certificates — School of Medicine Masters and Certificates — G.W.C. Whiting School of Engineering Masters and Certificates — Zanvyl Krieger School of Arts and Sciences

Order of Procession

Marshals for the Graduates

Annette C. Anderson Avanti Athreya Soraya Bailey Stephanie Baker Doug Barrick Amitabh Basu David Bishai Adriene Breckenridge Sarah Clever Chris Conway Ami Cox Tristan Davies Karen Desser Michael Dinitz Marc Donohue Susana Ferradas Daniel Ferrara Paul Ferraro

Cristina Finan Deborah Finnell **Emily Fisher** Amy Foster Mark Foster Tara M. Fuller Toby Gordon Christina B. Harnett Eric Hill Robert Horner Scott E. King Asher Kolieboi Elizabeth Logsdon Brent S. Mosser Shreesh P. Mysore Travis H. Olson Sarah Parkinson Rebecca Pearlman

Marva Philip Joshua J. Reiter Malissa Rivera Tiffany T. Sanchez Joanne Selinski William Smedick La Toya Bianca Smith Kay Smith Natalie Strobach Sarah Szanton John D. Tovar David Verrier Chao Wang Linda M. White Charles M. Wiener Kip Douglas Wile Demere G. Woolway Orla Wilson

Chief Marshal

Sunil Kumar Provost and Senior Vice President for Academic Affairs

The Deans

The President of the Alumni Association

The Honorary Degree Candidates

The Chair of the Board of Trustees

Ronald J. Daniels President

The Graduates

Marshals for the Faculties Stephen J. Gange and Kelly A. Gebo

The Faculties

Marshals for the Principals Kimberly D. Hewitt and Kevin G. Shollenberger

Officers of the University

The Trustees

Members of the Senior Class Council

Student Chairs of the Hopkins Fund

Readers for Presentation of Degree Candidates

James L. Fry Linda Gorman Christine T. Kavanagh Matthew Roller Edward Scheinerman Janet Weise

Order of Events

PRELUDE

The Archipelago Project

PROCESSION

The Archipelago Project

The audience is requested to stand as the Processional moves into the arena and to remain standing until after the national anthem.

INVOCATION

Kathy Schnurr University Chaplain

THE NATIONAL ANTHEM OF THE UNITED STATES OF AMERICA

Performed by Simone Brown Peabody '17 (MM)

WELCOME

Jeffrey H. Aronson Chair, Board of Trustees

GREETINGS

David P. Yaffe President, Johns Hopkins Alumni Association

REMARKS

Ronald J. Daniels President

CONFERRING OF HONORARY DEGREES

Frank A. Bruni Jr. Amy Gutmann Carla D. Hayden Katherine C. Johnson Ralph S. O'Connor Harold Varmus

REMARKS

Syed Shadman Hossain President, Class of 2017

COMMENCEMENT CEREMONY ADDRESS

Frank A. Bruni Jr. Columnist, *The New York Times*

Conferring of Degrees on Candidates

Doctors of Education

PRESENTED BY Mariale Hardiman Interim Dean, School of Education

Doctors of Musical Arts

PRESENTED BY Fred Bronstein Dean, Peabody Institute

Doctors of Nursing Practice Doctors of Philosophy

PRESENTED BY Patricia M. Davidson Dean, School of Nursing

Doctors of Public Health Doctors of Philosophy

PRESENTED BY Michael J. Klag Dean, Bloomberg School of Public Health

Doctors of Philosophy

PRESENTED BY Vali R. Nasr Dean, Paul H. Nitze School of Advanced International Studies

Doctors of Medicine Doctors of Philosophy

PRESENTED BY Paul B. Rothman Frances Watt Baker, MD, and Lenox D. Baker Jr., MD Dean of the Medical Faculty School of Medicine

Doctors of Philosophy

PRESENTED BY T. E. Schlesinger Benjamin T. Rome Dean G.W.C. Whiting School of Engineering

Doctors of Philosophy

PRESENTED BY Beverly Wendland James B. Knapp Dean Zanvyl Krieger School of Arts and Sciences

Masters of Science Masters of Business Administration Graduate Certificates Bachelors of Science Bachelors of Business Administration

CAREY BUSINESS SCHOOL

Certificate of Advanced Graduate Study Post-Master's Certificates Masters of Science Masters of Education in Health Professions Masters of Arts in Teaching Graduate Certificates Bachelors of Science

SCHOOL OF EDUCATION

Artist Diplomas Graduate Performance Diplomas Masters of Arts Masters of Music Performer's Certificate **PEABODY CONSERVATORY**

Conferring of Degrees on Candidates (continued)

Masters of Science in Nursing/Advanced Practice Masters of Science in Nursing/Entry into Nursing Practice Masters of Science in Nursing/Masters of Public Health Master of Science in Nursing/Master of Business Administration

SCHOOL OF NURSING

Masters of Bioethics Masters of Science Masters of Science in Public Health Masters of Health Science Masters of Health Administration Masters of Public Health Masters of Public Policy

BLOOMBERG SCHOOL OF PUBLIC HEALTH

Masters of Arts

Masters of Arts in Global Policy Masters of Arts in International Affairs Masters of Arts in International Economics and Finance Masters of Arts in International Studies Masters of International Public Policy

PAUL H. NITZE SCHOOL OF ADVANCED INTERNATIONAL STUDIES

Masters of Science Masters of Arts

SCHOOL OF MEDICINE

Post-Master's Advanced Certificates Masters of Science in Engineering Masters of Science in Engineering in Bioengineering Innovation and Design Masters of Science in Engineering in Financial Mathematics Masters of Science of Science Masters of Science in Engineering Management Masters of Chemical and Biomolecular Engineering Masters of Civil Engineering Masters of Engineering Management Masters of Engineering Management Masters of Environmental Engineering Masters of Materials Science and Engineering Masters of Mechanical Engineering Masters of Arts Graduate Certificates

G.W.C. WHITING SCHOOL OF ENGINEERING

Post-Master's Certificates in Sequence Analysis and Genomics Post-Master's Certificate in Quantitative Methods in Applied Economics Masters of Science Masters of Science in Applied Economics Masters of Science in Bioinformatics Masters of Science in Bioscience Regulatory Affairs Masters of Science in Biotechnology Masters of Biotechnology Enterprise and Entrepreneurship Masters of Science in Energy Policy and Climate Masters of Science in Environmental Sciences and Policy Masters of Science in Food Safety Regulation Masters of Science in Geographic Information Systems Masters of Science in Government Analytics Masters of Science in Regulatory Science Masters of Science in Research Administration Masters of Fine Arts Masters of Arts Masters of Arts in Applied Economics Masters of Arts in Communication Masters of Arts in Film and Media Masters of Arts in Global Security Studies Masters of Arts in Government Masters of Arts in Museum Studies Masters of Arts in Public Management Masters of Arts in Science Writing Masters of Arts in Writing Masters of Liberal Arts Masters of Science in Biotechnology/Masters of Business Administration Certificate in Biotechnology Education Certificate in Biotechnology Enterprise Certificates in National Security Studies Graduate Certificates in Geographic Information Systems Post-Baccalaureate Certificates, Digital Curation Post-Baccalaureate Certificate, Government Analytics Post-Baccalaureate Certificates, Intelligence Post-Baccalaureate Certificates, Non-Profit Management Post-Baccalaureate, Premedical Program Post-Baccalaureate Certificate, Science Writing Post-Baccalaureate Certificate, Science, Technology and International Security ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES

> PRESENTED BY Sunil Kumar Provost and Senior Vice President for Academic Affairs

> > Bachelors of Music PRESENTED BY Fred Bronstein Dean PEABODY CONSERVATORY

Conferring of Degrees on Candidates (continued)

Bachelors of Science in Applied Mathematics and Statistics Bachelors of Science in Biomedical Engineering Bachelors of Science in Chemical and Biomolecular 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 Environmental Engineering Bachelors of Science in Materials Science and Engineering Bachelors of Science in Mechanical Engineering Bachelors of Arts in General Engineering Bachelors of Arts in General Engineering Bachelors of Arts in Science In Science and Statistics Bachelors of Arts in Biomedical Engineering Bachelors of Arts in Computer Science

PRESENTED BY

T. E. Schlesinger Benjamin T. Rome Dean G.W.C. WHITING SCHOOL OF ENGINEERING

Bachelors of Science in Molecular and Cellular Biology Bachelors of Science in Neuroscience Bachelors of Science in Physics Bachelors of Arts in Anthropology Bachelors of Arts in Archaeology Bachelors of Arts in Behavioral Biology Bachelors of Arts in Biology Bachelors of Arts in Biophysics Bachelors of Arts in Chemistry Bachelors of Arts in Classics Bachelors of Arts in Cognitive Science Bachelors of Arts in Earth and Planetary Sciences Bachelors of Arts in East Asian Studies

Bachelors of Arts in Economics Bachelors of Arts in English Bachelors of Arts in Film and Media Studies Bachelors of Arts in French Bachelors of Arts in Global Environmental Change and Sustainability Bachelors of Arts in History Bachelors of Arts in History of Art Bachelor of Arts in History of Science, Medicine and Technology Bachelors of Arts in International Studies Bachelor of Arts in Latin American Studies Bachelors of Arts in Mathematics Bachelors of Arts in Medicine, Science and the Humanities Bachelors of Arts in Natural Sciences Area Bachelors of Arts in Near Eastern Studies Bachelors of Arts in Philosophy Bachelors of Arts in Political Science Bachelors of Arts in Psychology Bachelors of Arts in Public Health Studies Bachelors of Arts in Romance Languages Bachelors of Arts in Sociology Bachelors of Arts in Spanish Bachelors of Arts in Writing Seminars

PRESENTED BY

Beverly Wendland James B. Knapp Dean ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES

THE JOHNS HOPKINS UNIVERSITY MOTTO

Veritas vos liberabit

RECESSIONAL

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

Music for today's ceremony is provided by The Archipelago Project, a not-for-profit performance ensemble that brings music education to underserved communities around the world. Archipelago hosts a yearly residency with Baltimore City Public School students that coincides with JHU graduation. The group consists of musicians from the United States, Germany, and Austria, and includes JHU faculty member Daniel Trahey and alumnus Pete Lander. The Archipelago Project is accompanied today by current Peabody Conservatory student Christopher Frick, Peabody faculty member Eliza Minster, and Preparatory alumnus Brandon Woody. For more information, please visit archipelagoproject.org.

The Johns Hopkins Society of Scholars

The Society of Scholars was created on the recommendation of then 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, postdoctoral degree recipients, house staff, and junior or visiting faculty who had formative experiences at Johns Hopkins and thereafter gained marked distinction in their respective fields.

Each year, the Society of Scholars Selection Committee elects a limited number of scholars from among the candidates nominated by Johns Hopkins University faculty. Since its inception, 658 individuals have been elected to membership in the society, including 16 members elected in 2017.

At a ceremony on April 3, newly elected members were formally inducted into the Society of Scholars. Faculty members invested inductees with the Johns Hopkins Society of Scholars medallion and presented them with an official certificate of membership.

The following pages introduce the 2017 Society of Scholars inductees with brief summaries of their remarkable accomplishments.

R. BRUCE AYLWARD, MD, MPH GENEVA, SWITZERLAND

Bruce Aylward is assistant director-general of the World Health Organization, where he has been a leader in the organization's response to emerging infectious diseases and humanitarian crises. During his 25-year career at WHO, Dr. Aylward led the Global Polio Eradication Initiative, a partnership that deployed more than 6,000 field personnel to affected regions globally, developed new tools and vaccines, and reduced the number of polio-endemic countries in the world to only two. He served as WHO's assistant director-general for the Polio and Emergencies Cluster and special representative of the director-general for Ebola response, heading the organization's response to the outbreak in West Africa and providing strategic and technical leadership to the UN Mission for Ebola Emergency Response. As head of the Outbreaks and Health Emergencies Cluster, he led the most substantive reform of WHO's approach to those areas in the organization's history. Dr. Aylward received his medical degree from Memorial University of Newfoundland in Canada. He earned a Master of Public Health in 1991 from what is now the Johns Hopkins Bloomberg School of Public Health, where he also completed a residency in general preventive medicine.

HYND BOUHIA, PHD CASABLANCA, MOROCCO

Hynd Bouhia is chairman and CEO of Global Nexus, a private equity fund dedicated to clean energy infrastructure in Morocco, and an associate professor of finance at the International University of Rabat. Previously, she worked as the global head of strategy and development at CDG Development, Morocco's largest public pension fund, where she was responsible for long-term investment in sustainable territorial development. From 2004 to 2008, Dr. Bouhia served as economic adviser to then Moroccan Prime Minister Driss Jettou, and from 2006 to 2008, she was director general of the Casablanca Stock Exchange. Prior to that position, she was a senior financial officer in the Capital Markets group at the World Bank, where she worked on raising debt for developing countries and environmental policies in emerging economies. Dr. Bouhia was ranked the 29th most powerful woman in the world by *Forbes* in 2008, and named one of the 100 most powerful Arab women by *Business Finance* in 2012. She earned a PhD in environmental engineering from Harvard University and subsequently earned an MA in international relations from the Johns Hopkins University Paul H. Nitze School of Advanced International Studies.

CHRISTOPHER P. DUGGAN, MD, MPH BOSTON, MASSACHUSETTS

Christopher Duggan is a renowned physician-scientist in the fields of pediatric nutrition, gastroenterology, and global health. He is a professor of pediatrics at Harvard Medical School, a professor in the departments of Nutrition and of Global Health and Population at the Harvard T.H. Chan School of Public Health, and director of the Center for Nutrition at Boston Children's Hospital. Dr. Duggan's early work demonstrated the efficacy of oral rehydration solutions for diarrhea management in the United States. He and colleagues authored the first national treatment guidelines for acute diarrhea published by the Centers for Disease Control and Prevention, which were later revised and adopted by the American Academy of Pediatrics for national use. He has evaluated the effect of micronutrient supplementation in infants and mothers born in resource-poor countries, and his research has led to substantial improvements in the care of patients with intestinal failure. Dr. Duggan graduated from the Johns Hopkins School of Medicine in 1987; he was an intern and resident in the Department of Pediatrics at Johns Hopkins Hospital from 1987 to 1990 and a postdoctoral fellow and research associate in the Johns Hopkins Bloomberg School of Public Health from 1990 to 1991.

ELIZABETH C. ENGLE, MD BOSTON, MASSACHUSETTS

Elizabeth Engle is a professor of neurology and ophthalmology at Harvard Medical School and senior associate in neurology, ophthalmology, and medicine at Boston Children's Hospital, where she also holds the Neuro-Ophthalmology Research Chair. Over the past 15 years, she and her research team have made seminal findings in the genetic etiology and mechanism of various forms of congenital strabismus, cranial nerve disorders, and disorders of axon growth and guidance. Since 2008, Dr. Engle has been an investigator at the Howard Hughes Medical Institute. She is a recipient of the Society for Pediatric Research's prestigious E. Mead Johnson Award for research in pediatrics and the American Academy of Neurology's Sidney Carter Award in Child Neurology. She has served on advisory boards for the March of Dimes, the National Eye Institute, and the Moebius Syndrome Foundation, among other organizations. Dr. Engle received her medical degree from Johns Hopkins in 1985 and was an intern and resident in pediatrics from 1985 to 1988. She did a second residency in child neurology and additional postdoctoral training in genetics at Massachusetts General Hospital, Harvard Medical School, and Boston Children's Hospital.

ELLIOT M. FROHMAN, MD, PHD COPPELL, TEXAS

Elliot Frohman is a professor of neurology and neurotherapeutics, and ophthalmology, at the University of Texas Southwestern Medical Center. He holds the Kenney Marie Dixon-Pickens Distinguished Professorship in Multiple Sclerosis Research and the Irene Wadel and Robert Atha Distinguished Chair in Neurology, and he is the founding director of the Multiple Sclerosis and Neuroimmunology Program and the Clinical Center for Multiple Sclerosis. Since their arrival at UT Southwestern from Johns Hopkins in 1995, Dr. Frohman and his wife and closest collaborator, Teresa Frohman, have built one of the world's largest and most significant multiple sclerosis centers for clinical care and research. In May 2017, the Frohmans will become the inaugural director and managing director of the Multiple Sclerosis and Neuroimmunology Center at the new Susan and Michael Dell Medical School at the University of Texas at Austin. In 2000, in collaboration with the National Multiple Sclerosis Society, they authored a congressional bill that established the first comprehensive MS treatment training program. More than 1,200 neurologists, neurology resident trainees, nurses, and physician extenders from all 50 states have completed the program, which remains the only one of its kind. In 2015, Dr. Frohman, along with long-standing collaborators Peter Calabresi at Johns Hopkins and Laura Balcer at New York University, was awarded the National Multiple Sclerosis Society's prestigious Barancik Prize for Innovation in Multiple Sclerosis Research. He has published more than 300 peer-reviewed articles, book chapters, and monographs and received more than 16 national and international outstanding teaching awards. Dr. Frohman earned his MD and PhD degrees at UC Irvine and completed his residency and fellowship training in neurology at the Johns Hopkins School of Medicine and Johns Hopkins Hospital, where he was chief resident from 1993 to 1994.

SUSAN L. FURTH, MD, PHD PHILADELPHIA, PENNSYLVANIA

Susan Furth is chief of the Division of Nephrology at the Children's Hospital of Philadelphia, where she is the Laffey-Connolly Professor of Pediatric Nephrology and associate chair for academic affairs. She also holds appointments as a professor of pediatrics and epidemiology at the University of Pennsylvania Perelman School of Medicine. Dr. Furth leads the CKiD cohort study, the largest multicenter prospective cohort study of children with chronic kidney disease ever conducted in North America. She is also one of the principal investigators of the BioCon consortium, which seeks to identify novel biomarkers for risk of chronic kidney disease progression, and is a co-investigator on two studies involving eight pediatric centers working together to initiate clinical trials in childhood kidney disease in clinical care settings. After earning her MD from the University of Pennsylvania, she completed an internship and residency in pediatrics and a clinical and research fellowship in pediatric nephrology at Johns Hopkins, as well as a PhD in clinical investigation from the university's Bloomberg School of Public Health. From 1996 to 2010, she served on the Johns Hopkins faculty as an associate professor of epidemiology in Public Health and a professor of pediatrics in Medicine.

HELENE GAYLE, MD, MPH WASHINGTON, D.C.

An expert on health, global development, and humanitarian issues, Helene Gayle is the inaugural CEO of McKinsey Social Initiative, a nonprofit organization that unites stakeholders to work toward global social change. She is the former CEO and president of CARE USA, an international humanitarian organization dedicated to combating global poverty. Before joining CARE, she served 20 years at the Centers for Disease Control and Prevention, where she focused on fighting HIV/AIDS and was appointed the first director of the National Center for HIV, STD, and TB Prevention. She also directed the HIV, TB, and Reproductive Health Program at the Bill & Melinda Gates Foundation and chaired President Obama's advisory council on HIV/AIDS. Dr. Gayle attained the rank of rear admiral and assistant surgeon general in the Commissioned Corps of the U.S. Public Health Service. She was named one of *Newsweek*'s top 10 women in leadership in 2008, one of *Foreign Policy*'s top 100 global thinkers in 2010, and one of *Forbes*' 100 most powerful women in the world in 2014. An elected member of the National Academy of Medicine, she has received numerous honors, including the 2012 Jimmy and Rosalynn Carter Humanitarian Award. After earning her MD from the University of Pennsylvania, she received a Master of Public Health from the Johns Hopkins Bloomberg School of Public Health before completing residency training in pediatric medicine at Children's National Medical Center.

PATRICIA D. HURN, PHD, RN ANN ARBOR, MICHIGAN

Patricia Hurn is dean of the School of Nursing and professor of molecular, cellular, and developmental biology at the University of Michigan. She is internationally recognized for her work in understanding the cellular and molecular basis of gender differences in response to experimental brain injury and for her research on stroke and other neurological conditions. Her recent research has focused on estrogen as an immunoprotectant in cerebral blood restrictions. She directs an interdisciplinary biomedical research laboratory that translates findings to point-of-care patient applications. Dr. Hurn has been the principal investigator on more than \$20 million in grant-supported research, as well as the co-investigator or collaborator on numerous other research projects. In addition, she has provided leadership on critical issues such as collaborative bio-health research models, science education innovation, and research technologies. After completing her nursing training at the University of Florida and University of Washington, she earned a PhD in physiology in 1990 from what is now the Johns Hopkins Bloomberg School of Public Health, followed by postdoctoral training in anesthesiology and biomedical engineering. She served on the Johns Hopkins faculty from 1993 to 2003, including appointments as professor in the School of Medicine and associate professor in the School of Nursing.

EDUARDO MARBÁN, MD, PHD LOS ANGELES, CALIFORNIA

Eduardo Marbán is director of the Heart Institute at Cedars-Sinai Medical Center and professor in residence of medicine and physiology at the David Geffen School of Medicine at UCLA. He is an internationally recognized expert in cardiac excitation-contraction coupling, stem cell biology, and basic and translational aspects of regenerative medicine in the cardiovascular system. He is the principal investigator of four NIH-sponsored clinical trials of progenitor or progenitor cell products in structural heart disease, and he has founded two companies that have made important contributions in the clinical deployment of regenerative medicine strategies in cardiovascular medicine. Among Dr. Marbán's many honors and awards are the American Heart Association's Basic Research Prize, the Research Achievement Award of the International Society for Heart Research, the Gill Heart Institute Award, and the Distinguished Scientist Awards of the AHA and the American College of Cardiology. After earning his MD and PhD from Yale University, he joined the Osler Medical Service at Johns Hopkins in 1981 for his internship and residency, followed by a fellowship in cardiology. In 1985, he joined the faculty at the School of Medicine, where his 22-year tenure included serving as chief of Cardiology from 2003 to 2007.

MANI MENON, MD DETROIT, MICHIGAN

Mani Menon is a pioneer in robotic surgery and one of the foremost urologists in the United States. He is the Rajendra and Padma Vattikuti Distinguished Professor of Oncology and founding director of the Vattikuti Urology Institute at the Henry Ford Health System, where he established the first cancer-oriented robotics program in the world. After earning his medical degree from the Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) in India, he completed his residency in urology at the Brady Urological Institute at Johns Hopkins in 1980. As a resident, he developed a technique that allowed measurement of androgen receptors in the human prostate for the first time. Dr. Menon has subsequently pioneered robotic surgery techniques—including the first radical prostatectomy using the da Vinci robot—that have revolutionized the field of urological oncology and laid the framework for extending robotics to other surgical disciplines, influencing the surgical care of millions of patients worldwide. His numerous honors include the 2008 Dr. B.C. Roy Award, the highest honor awarded by the Government of India for achievements in medical science; the American Urological Association's 2011 Hugh Hampton Young Award, named after the founding chair of urology at Johns Hopkins; and the 2016 Keyes Medal of the American Association of Genitourinary Surgeons, recognized as the greatest individual citation in urology.

ALLISON M. OKAMURA, PHD STANFORD, CALIFORNIA

A professor of mechanical engineering at Stanford University, Allison Okamura is one of the most highly cited haptics researchers in the world. Her work focuses on developing the principles and tools needed to realize robotic and human-machine systems capable of haptic interaction, particularly for biomedical applications. After earning her PhD from Stanford in 2000, she joined the Johns Hopkins faculty as an assistant professor in the Whiting School of Engineering. Over the next 11 years, she would go on to become a professor in and vice chair of the Department of Mechanical Engineering, helping to establish Johns Hopkins as one of the top 10 universities for robotics in the United States, according to *Business Insider* in 2014. She played a leadership role in the Computer-Integrated Surgical Systems and Technology Engineering Research Center, and was co-founder and deputy director of the Laboratory for Computational Sensing and Robotics. An elected fellow of the Institute of Electrical and Electronics Engineers, Dr. Okamura has been recognized by numerous awards for both her research and her excellence in teaching and mentorship. She has been a role model and champion for improving the diversity of students, faculty, and the professional practice of engineering.

STEVEN PIANTADOSI, MD, PHD LOS ANGELES, CALIFORNIA

Steven Piantadosi is the Phase One Foundation Distinguished Chair and director of the Samuel Oschin Comprehensive Cancer Institute at Cedars-Sinai Medical Center. Since 2007, he has increased tenfold the center's peer-reviewed research funding while maintaining a portfolio of more than 100 active therapeutic clinical trials. A fellow of the Society for Clinical Trials, he is a leading expert in the design and analysis of clinical trials for cancer research and advises numerous academic programs and collaborations nationally on clinical trial design and conduct in areas beyond cancer, such as lung disease and degenerative neurological disease. He is a co-investigator on a National Cancer Institute R01 grant addressing novel dose-finding designs with multiple agents, teaches clinical trials at UCLA, and is author of a definitive textbook on clinical trials that will soon be published in its third edition. Dr. Piantadosi received his MD from the University of North Carolina at Chapel Hill and PhD from the University of Alabama at Birmingham. In 1987, he became an assistant professor in the schools of Medicine and Public Health at Johns Hopkins, and he remained on the faculty until 2007, holding appointments as professor of oncology, biostatistics, and epidemiology.

NEIL R. POWE, MD, MPH, MBA SAN FRANCISCO, CALIFORNIA

Neil Powe is the chief of medicine at the Priscilla Chan and Mark Zuckerberg San Francisco General Hospital and the Constance B. Wofsy Distinguished Professor of Medicine and vice chair of medicine at the UCSF School of Medicine. His work as an international leader in epidemiology and outcomes research has united medicine and public health. In 1986, after earning an MD and MPH from Harvard University and an MBA from the Wharton School at the University of Pennsylvania, he became an instructor at the Johns Hopkins School of Medicine. Over the course of his 23-year career at Johns Hopkins, he was a University Distinguished Service Professor in the School of Medicine and the inaugural James F. Fries Professor of Medicine, as well as a professor in the School of Public Health. As director of the Johns Hopkins Welch Center for Prevention, Epidemiology, and Clinical Research, he catalyzed its growth into a vibrant and multidisciplinary clinical research and training center of excellence as well as an incubator for future leaders. He was the founding director of the Johns Hopkins Evidence-Based Practice Center and created numerous platforms to cultivate young clinical scientists and educators to address major problems in health and health care delivery, including the Johns Hopkins Clinical Research Scholars Program and a pre-doctoral research training program for physician and nurse trainees. An elected member of the National Academy of Medicine, Dr. Powe is the recipient of numerous honors and awards.

JOACHIM SAUR, PHD COLOGNE, GERMANY

Joachim Saur, a renowned researcher in planetary and space science, is a professor of geophysics at the University of Cologne in Germany, where he earned his PhD in 2000. One of his primary research interests is the search for liquid water and thus the possibility of habitable worlds beyond Earth. He conducted a postdoctoral fellowship at Johns Hopkins in the Department of Earth and Planetary Sciences in the Krieger School of Arts and Sciences before serving as a senior research scientist at the university's Applied Physics Laboratory. During this time, he also became an observer using the Hubble Space Telescope operated by the Space Telescope Science Institute and was the principal investigator of the program that discovered water vapor plumes on Jupiter's moon Europa. He returned to the University of Cologne as a full professor of geophysics in 2005 and has served twice as chair of the Department of Geosciences. Dr. Saur developed a novel technique to probe the interior of planetary bodies with a telescope, which he used in 2015 to demonstrate that Jupiter's moon Ganymede possesses a subsurface water ocean. He has served extensively in Europe and the United States on advisory panels and telescope allocation committees, and he is involved in multiple NASA and ESA space missions to other planets and moons.

JULIA A. SCHILLINGER, MD, MSC NEW YORK, NEW YORK

Julia Schillinger, an expert on sexually transmitted disease control and neonatal herpes, is a medical epidemiologist with the Division of STD Prevention at the Centers for Disease Control and Prevention. Since 2002, she has been assigned to the Bureau of STD Control in the New York City Department of Health and Mental Hygiene, where she serves as director of surveillance, epidemiology, and special projects. She has made several significant and lasting contributions to her field, most notably in expedited partner therapy (EPT) and neonatal herpes infection. EPT, in which a provider gives a patient medication to deliver to sex partners, enables treatment of partners who would not seek care, thereby interrupting the cycle of repeat infection. Dr. Schillinger led the first randomized controlled trial of EPT for *Chlamydia trachomatis* infection, demonstrating that EPT reduced rates of repeated infection. In New York, she spearheaded a successful effort to pass state legislation permitting EPT for chlamydia. She also implemented a neonatal herpes surveillance system that established several key facts about the causal agent and increasing number of deaths. Dr. Schillinger is a captain in the Commissioned Corps of the U.S. Public Health Service. She received her MD from Yale University in 1990 and completed a residency in pediatrics at Johns Hopkins before joining the CDC in 1993. In 1997, she earned a Master of Science in Epidemiology from the London School of Hygiene and Tropical Medicine.

STEVEN ZELDITCH, PHD EVANSTON, ILLINOIS

Steven Zelditch is the Wayne and Elizabeth Jones Professor of Mathematics at Northwestern University. He is one of the leading researchers in the mathematical theory of quantum chaos. He made the first major breakthrough in this subject in his 1987 paper concerning ergodic systems on curved surfaces. He has made several other seminal contributions to the theory of eigenfunctions. In addition, he developed an entirely new method in the theory of Bergman kernels on complex manifolds, and his results have been widely used in research on generalized complex polynomials in multidimensional settings. Dr. Zelditch is the recipient of the 2013 Stefan Bergman Prize of the American Mathematical Society and is a fellow of the society. He has delivered several invited talks and is on the editorial boards of *Communications in Mathematical Physics, Analysis & PDE*, and *Journal of Geometric Analysis*. Dr. Zelditch received his PhD from the University of California, Berkeley, and was on the faculty at Columbia University before being appointed an assistant professor of mathematics at Johns Hopkins in 1985. He served on the faculty until 2010, most recently as professor of mathematics.

Honorary Degrees

FRANK A. BRUNI JR.

Award-winning journalist Frank Bruni has spent more than two decades writing for *The New York Times*, where he has earned a reputation as a thoughtful, thorough reporter and an unflinching commentator. Since being named an Op-Ed columnist in 2011, he has covered a wide range of subjects, from LGBTQ issues and the American political landscape, to topics in higher education, including free speech, affordability, and accessibility on campus.

Mr. Bruni came to the *Times* in 1995 and has served as White House correspondent during the George W. Bush administration; chief restaurant critic; staff writer for *The New York Times Magazine*; and Rome bureau chief, where he covered both Pope John Paul II and Prime Minister Silvio Berlusconi. In 1996, Mr. Bruni and three of his *Times* colleagues won the George Polk Award for metropolitan reporting for their coverage of a child-abuse case. In 2016, the National Lesbian & Gay Journalists Association gave him its Randy Shilts Award for his lifetime contribution to LGBTQ equality.

Before joining the *Times*, Mr. Bruni worked for *The Detroit Free Press* from 1990 until 1995 and held a variety of positions. While there, he spent three months covering the Persian Gulf war and was named a Pulitzer Prize finalist in feature writing.

Mr. Bruni's first best-selling book was his detail-filled take on covering Bush, *Ambling Into History: The Unlikely Odyssey of George W. Bush.* His deeply personal memoir, *Born Round: A Story of Family, Food and Ferocious Appetite*, reflected on his struggles with his weight and was widely praised as a brave, revealing look at life with an eating disorder. In 2015, he published an examination of the college admissions process, *Where You Go Is Not Who You'll Be: An Antidote to the College Admissions Mania.* His first cookbook, *A Meatloaf in Every Oven*, co-written with Jennifer Steinhauer, was published in February.

In a time when so many disparate voices clamor to be heard, you cut through the noisy debates by shining a light on those who would prefer to hide behind a more convenient version of the story, embodying Johns Hopkins' own motto that the truth will set you free.

Frank A. Bruni Jr., for your unyielding quest for honesty, transparency, and freedom of the press, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

AMY GUTMANN

Amy Gutmann is renowned for championing access to higher education and for promoting thoughtful and civil political discourse. She is a political scientist, philosopher, bioethicist, professor, and author who serves as the eighth president of the University of Pennsylvania.

An award-winning political theorist, Dr. Gutmann sparked a broad revival of interest in education's essential role in democracy with her widely acclaimed book *Democratic Education*. She then developed the theory of deliberative democracy with Harvard political scientist Dennis Thompson. Directly confronting the coarseness and extremism that threaten to overwhelm modern politics, she argues that to best serve the public interest, deliberation, mutual respect, and moral reasoning must be at the heart of political debate. She effectively put democratic deliberation into practice while chairing President Obama's Commission for the Study of Bioethical Issues from 2009 to 2017.

In her 16th book, *The Spirit of Compromise: Why Governing Demands It and Campaigning Undermines It*, co-authored with Dr. Thompson and published in 2012, Dr. Gutmann explores compromise as the "artistry of democracy" that makes effective governing possible. Judy Woodruff, of *PBS NewsHour*, praised the book as "a no-excuses look at Washington gridlock" and "a clear-eyed examination of the forces that bring warring political leaders together or keep them apart."

Dr. Gutmann has been passionately committed to ensuring that students from all backgrounds can gain access to higher education; under her leadership, Penn has become the largest university in the country to offer all-grant financial aid for undergraduates. This financial aid policy also helped to more than double the number of students at Penn who are first in their families to go to college. She has been lauded for increasing interdisciplinary teaching and faculty diversity, and for leading Penn's increased engagement with the local community, including key partnerships with Philadelphia public schools.

A first-generation scholarship student herself, Dr. Gutmann graduated *magna cum laude* from Harvard-Radcliffe College. She earned her master's degree in political science from the London School of Economics and her doctorate in that subject from Harvard University.

Before her appointment at Penn in 2004, she spent 28 years at Princeton University. There, she was the founding director of the University Center for Human Values, an eminent multidisciplinary center that supports teaching, scholarship, and public discussion of ethics and human values. She subsequently served as dean of the faculty, senior adviser to the president, and provost.

You once said that so much of what you do as president of the University of Pennsylvania relies on what you have learned as a teacher and a scholar. You have become one of higher education's most respected leaders because you believe deeply in the value of thoughtful, reasoned discourse; because you place a premium on education's role in our democracy; and because you work to make higher education accessible to all.

Amy Gutmann, for setting a new standard for the globally engaged university, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

CARLA D. HAYDEN

Carla D. Hayden is the first woman and the first African-American to lead the Library of Congress, a role she began in September 2016. In Baltimore, she is beloved as the longtime leader of the Enoch Pratt Free Library, which flourished during her tenure with new buildings, renovations, and innovative programming.

Dr. Hayden's tenure in Baltimore began in 1993 during a time when our interactions with printed materials were rapidly evolving. Budgetary shortfalls closed the central library on Fridays, and neighborhood libraries were shuttered on Saturdays. But thanks to Dr. Hayden's knack for building relationships with everyone from avid readers to legislators, she was able to restore one of the country's oldest libraries to prominence, making it once again relevant and accessible. The library's branches were places of refuge during the unrest in the city following the death of Freddie Gray, when Dr. Hayden made sure to keep the libraries open during a time of crisis.

Before joining the Pratt Library, Dr. Hayden held posts at the Chicago Public Library and the Museum of Science and Industry in Chicago, and was an assistant professor of library and information science at the University of Pittsburgh. Dr. Hayden was president of the American Library Association from 2003 to 2004. She was nominated by President Obama to be a member of the National Museum and Library Services Board in 2010. In 1995, she was the first African-American to receive *Library Journal*'s Librarian of the Year Award in recognition of her outreach services at the Pratt Library, which included an after-school center for Baltimore teens offering homework assistance and college and career counseling.

As Librarian of Congress, Dr. Hayden is working to engage more readers of all ages and to make the library more accessible, both in the nation's capital and beyond, through traveling exhibitions and virtual technology, so visitors could see the library's collections without leaving home.

You have devoted your career to modernizing public libraries so that everyone can be a part of today's digital culture. Your dedication is most evident here in Baltimore. The legendary Enoch Pratt Free Library system was reborn under your longtime leadership and is now regarded as the model for the modern library. Today, as the Librarian of Congress, you are working to make the country's biggest library as welcoming as any local branch.

Carla D. Hayden, for being a kindred spirit through both your mission to bring knowledge to the world and your abiding love of the city of Baltimore, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

KATHERINE C. JOHNSON*

While the world sat glued to the television set watching astronaut John Glenn rocket into space, a young African-American woman named Katherine C. Johnson worked behind the scenes, quietly making history.

A pioneer at NASA as one of the first black women on staff, Ms. Johnson was largely unknown until the 2016 release of the Oscarnominated film *Hidden Figures*, which tells the story of a team of African-American women mathematicians, including Ms. Johnson, who served a vital role in NASA's stunning achievements during the early years of the U.S. space program.

Ms. Johnson's life story is a compelling tale of achievement against the odds in the era of segregation. Born in West Virginia in 1918, Johnson skipped several grades in school, thanks to her unstoppable curiosity and keen number sense. As an undergraduate at the historically black West Virginia State College, she made quick work of the math curriculum, graduating at an accelerated pace at age 19 with highest honors. Ms. Johnson was one of the first three black students—and the only woman—chosen to integrate the graduate school at West Virginia University. She left a teaching position in a black public school in Virginia to enroll in the graduate math program, but at the end of the first session, she decided to leave school to start her family. Ms. Johnson returned to teaching when her three daughters got older, until summer 1953 when she joined NASA.

Ms. Johnson quickly proved herself to be a critical player as a member of NASA's all-black West Area Computing section, leading to her selection for a task force for the first official foray into space travel. In 1962, as NASA prepared for John Glenn's orbital mission, Johnson was called upon to do the highly technical mathematical work she would become most known for, acting as a potentially lifesaving final check on the Mercury-Atlas 6 mission flight plan before liftoff. The successful flight marked a turning point in the space race between the United States and the Soviet Union, thanks in large part to Ms. Johnson's contributions.

Ms. Johnson retired in 1986, after 33 years at NASA. In 2015, at age 97, President Obama awarded her the Presidential Medal of Freedom, America's highest civilian honor.

You played a pivotal role behind the scenes in the race to put a man into orbit—a giant leap for mankind but an even bigger achievement for African-American women in the era of segregation. You have said, "If you like what you are doing, you will do well"—words you lived by while completing your studies at an accelerated pace, integrating your state's flagship graduate math program, and serving your country at NASA.

Katherine C. Johnson, mathematician, space scientist, and true pioneer, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

RALPH S. O'CONNOR

Entrepreneur, civic leader, and philanthropist Ralph S. O'Connor believes deeply in the power of sports and physical fitness to shape lives both on and off the field.

As a Homewood undergraduate in the late 1940s, he played on the football and basketball teams, where he learned firsthand the important roles competition and physical fitness play in university life. When he graduated in 1951, Mr. O'Connor took that lesson with him to Texas, where he joined the booming oil business. He excelled in the oil and gas industry, becoming president of Highland Oil by 1964, and later chairman, president, and CEO of Highland's successor, Highland Resources Inc. He was among the four original partners who acquired the NBA's San Diego Rockets and brought them to Texas as the Houston Rockets in the late 1960s. In 1987, he formed the Ralph S. O'Connor & Associates investment firm, of which he is chairman and CEO.

Mr. O'Connor has been an ardent supporter of student life at Johns Hopkins, having established a scholarship fund for undergraduates at the Krieger School of Arts and Sciences, and a chair in biology that bears his name. His support was vital to the creation of the Walter J. Stark Chair in Ophthalmology in the School of Medicine and the Ralph S. O'Connor Undergraduate Entrepreneurship Fund, which provides funding, mentorship, and business resources to students developing innovative ideas, technologies, or ventures. His exceptional generosity was instrumental in bringing a state-of-the-art recreation center to the Homewood campus.

Honored many times by professional groups, Mr. O'Connor also has served on numerous civic and educational boards, including as chairman and president of the Marian and Speros Martel Foundation of Houston.

He is a university trustee emeritus, a presidential counselor, and recipient of the university President's Medal for exemplary service. He has further served Johns Hopkins as a member of the Alumni Council and of his class's 50th reunion gift committee.

It is hard to imagine what a Homewood undergraduate education would look like without your influence. You support our students through professorships and scholarships, including an award for teams of undergraduate entrepreneurs. You are also an ardent fan of our athletes, whether they are playing for the varsity team on Homewood Field or in an intramural match inside the recreation center bearing your name.

Ralph S. O'Connor, for supporting the entrepreneur, scholar, and athlete in all of us, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

HAROLD VARMUS

Harold Varmus is a champion of the basic laboratory science that forms the backbone of every major lifesaving discovery. As a Nobel Prize–winning cancer researcher, Dr. Varmus knows that hard work at the bench, coupled with a penchant for big ideas, can lead to scientific breakthroughs benefiting all mankind.

In 1989, Dr. Varmus was co-recipient of the Nobel Prize in physiology or medicine for fundamental research on genes that cause cancer, performed at the University of California, San Francisco, in partnership with J. Michael Bishop. As a leader of the scientific community and as a research scientist himself, Dr. Varmus has been keenly aware of the need to support our nation's scientists financially. As director of the National Institutes of Health from 1993 to 1999, he worked with Congress to double the NIH's budget, stimulating unparalleled growth in scientific research.

After leaving the NIH, he served as president and CEO of Memorial Sloan-Kettering Cancer Center in New York for a decade. He returned to the NIH in 2010 to direct the National Cancer Institute, where Dr. Varmus was known for protecting investigators' freedom to explore new ideas by establishing long-term grants for outstanding researchers and a Provocative Questions Initiative to pursue intriguing questions and neglected areas in cancer research.

Among the many honors that Dr. Varmus has received are the National Medal of Science, the Vannevar Bush Award, and election to the U.S. National Academy of Sciences in 1984 and the Institute of Medicine in 1991. He is the author of more than 350 scientific papers and five books, including the 2009 memoir *The Art and Politics of Science*. He was co-chair of President Barack Obama's Council of Advisors on Science and Technology and served on the World Health Organization's Commission on Macroeconomics and Health. Today, Dr. Varmus is the Lewis Thomas University Professor of Medicine at Weill Cornell Medicine and a member of the New York Genome Center.

You placed a premium on basic science research as director of the National Institutes of Health and later at the National Cancer Institute. As a Nobel Prize-winning cancer researcher yourself, you know that giving people solid funding and enough room to explore their own creative approaches can help solve some of our greatest challenges.

Harold Varmus, for being a leader in the fight against cancer and for fostering the freedom to fail in the quest to solve big problems, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

THE UNIVERSITY MACE

The university mace, carried by the chief marshal, was first used at the 1954 Commemoration Day Ceremony. Eight symbols are handwrought in sterling silver on an ebony staff representing our cultural development from ancient times, through the Middle Ages and the Renaissance, to the modern era.

THE PRESIDENTIAL INSIGNIA

University President Ronald J. Daniels 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 the Johns Hopkins University presidents are engraved on the faces of the links. On the reverse, the names and dates of office of each president are engraved. Blank links for future use are included. The university seal completes the design.

ACADEMIC **G**ARB

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 master's hood is three and a 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 master's or doctoral degree was earned.

Dark blue — Philosophy Light blue — Education Peacock blue — Public Policy Green — Medicine Salmon pink — Public Health Orange — Engineering Gold-yellow — Science White — Arts and Letters Pink — Music Purple — Law Apricot — Nursing Tan — Business Dark brown — Fine Arts The silk lining of the hood represents the institution that granted the degree. If more than one degree is held, the gown and hood of the 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 the following.

Brown University - brown, red California Institute of Technology - orange, white Columbia University — light blue, white Cornell University - red, white Duke University — blue Harvard University — crimson Howard University - blue, red Indiana University - red, white Johns Hopkins University - black, old gold Massachusetts Institute of Technology — cardinal red, gray New York University — purple Northeastern University - red, black Northwestern University - purple, white Ohio State University — scarlet, gray Princeton University - orange, black Rice University — blue, gray Rutgers University - red

Stanford University - cardinal Temple University - white, red University of California - gold, blue University of Chicago - maroon University of Colorado — gold, gray University of Florida — orange, royal blue University of Maryland - red University of Michigan — gold, blue University of North Carolina — light blue, white University of Pennsylvania - red, blue University of Pittsburgh — blue, gold University of Rochester — blue, gold University of Virginia — orange, blue University of Wisconsin - bright red Vanderbilt University — gold, black Washington University, St. Louis - red, green Yale University — dark blue

THE UNIVERSITY MOTTO

VERITAS VOS LIBERABIT. The truth shall make you free. —St. John 8:32

Truth Guide Our University The Spirit of JHU

ADAPTATION OF THE JOHNS HOPKINS UNIVERSITY ODE ERIK MEYER PEABODY '02, '04 (MM)

> Truth guide our university, and from all error keep us free. Let knowledge grow from more to more, and may our scholars' spirits soar, Their souls for light forever burn, send forth thy fire, that they may learn; And let their faithful teaching be: the truth alone can make us free. May wisdom be our nobler aim, and learning set our hearts aflame, And let our watchword ever be: the truth for aye shall keep us free!

The Schools of Arts and Sciences, Engineering, Nursing, Medicine, and The Peabody Conservatory

LOUIS SUDLER PRIZE IN THE ARTS

For excellence in the creative arts.

Awarded to Emily Karcher, Krieger School of Arts and Sciences

PRESIDENT'S COMMENDATION FOR ACHIEVEMENT IN THE ARTS

For service to the arts. Awarded to Lucinda Chiu, Krieger School of Arts and Sciences Saraniya Tharmarajah, Krieger School of Arts and Sciences

Homewood Student Affairs Awards

ALEXANDER K. BARTON CUP Presented annually under the auspices of Omicron Delta Kappa to a member of the university who best exemplifies Mr. Barton's strong character, high ideals and effective moral leadership. Awarded to *Lucy I. Delgado*

THE CHRISTOPHER B. ELSER PRIZES

The Christopher B. Elser Prizes were established by the Elser family and their friends as a memorial to the life of Christopher B. Elser, a member of the JHU Class of 2005. They are presented to a junior or senior reflecting the following attributes: demonstration of active participation and commitment to community service, a record of active participation and leadership in campus life and campus activities, a demonstrated passion for athletics and academic achievement. Awarded to *Christopher Wend Jon-Paul Reed*

THE BELLE AND HERMAN HAMMERMAN AWARD

Established by Belle G. Hammerman in honor of her son, Judge Robert I. H. Hammerman, Class of 1950, this award is presented annually to a senior entering law school who combines academic excellence with outstanding qualities of leadership. Awarded to Jacqueline Grace Piper Sheren

THE CHRISTOPHER J. PINTO MEMORIAL AWARD

Established by alumni of the Tau Epsilon Phi Fraternity, members of the Class of 1984, and friends of the Pinto family, this award is presented to a senior reflecting the academic, leadership abilities and strong moral character of Chris Pinto, a member of the Class of 1984. Awarded to *Victoria Aysola*

THE DEAN OF STUDENT LIFE ACHIEVEMENT AWARD

The Dean of Student Life Achievement Award, which was established in 2003, recognizes Hopkins undergraduate students who have made significant contributions to the Hopkins community. The award recognizes students who have taken strides to make a difference at Hopkins through a sustained effort of outstanding leadership and service to Hopkins and/or the surrounding community. Awarded to Saranga Arora Matthew Brown Tiffany Eatz Osiris Mancera Justin Lee Andrew Rosenblum

DAVID G. SANDBERG AWARD FOR CAMPUS LEADERSHIP

The David G. Sandberg Award for Campus Leadership was established in 1991 in honor of David G. Sandberg, a member of the Class of 1972. It is presented annually to an outstanding Junior who has demonstrated dedication to a variety of co-curricular organizations and activities. Awarded to Jacob Deyell

Center for Social Concern Awards

THE UNSUNG HERO AWARD A distinction for individuals whose quiet dedication and determination has had a profound impact on their program or project. Awarded to *Tony Yang*

THE URBAN HEALTH AWARD

For extraordinary group or individual service in urban health in either clinical or non-clinical settings. Awarded to *Nina Modanlo Clarissa Chen* THE BALTIMORE AWARD Awarded for outstanding, significant, and long-lasting contributions to the City of Baltimore and its citizens. Awarded to *Preston Ge April Lugo*

THE 25TH ANNIVERSARY AWARD

In honor of CSC's 25th anniversary, awarded to an outstanding senior whose efforts have embodied CSC's civic values of applied learning, diversity, connectivity, and sustainable partnerships. Awarded to *Natalie Hernandez Maggie Weese Carissa Zukowski*

Student Leadership and Involvement Awards

THE BLUE JAY PRIDE AWARD

An award given to an individual who has made significant contributions to campus programming and, therefore, enhanced the lives of those within and beyond the Hopkins community. Awarded to *Caleb Warren*

THE OUTSTANDING ADVISOR AWARD

An honor given to a student organization advisor who has shown dedication to their group's goals and successfully supported that organization through growth or trial. Awarded to *Scott Spangler*

Homewood Arts Programs Awards

THE HOMEWOOD ARTS CERTIFICATE

Awarded to seniors who have completed co-curricular requirements and an original final project in one of five disciplines: Dance, Film, Music, Theater, or Visual Arts. Awarded to Elyse Anderson, Dance Olivia Berci. Dance Lucinda Chiu, Music Tiffany Eatz, Dance, Music and Theater Jordan Elum, Music Ezekiel Goodman, Theater Erin Hedglen, Dance Ruthe Huang, Visual Arts Dan Ju, Music Madeleine King, Film Danielle Naassana, Film Oluwakemi Oguntona, Dance Andrew Shiau, Music Saraniya Tharmarajah, Theater Bilyana Tzolova, Dance Annette Wang, Music Jeana Yee, Music

THE EUGENE LEAKE AWARD

For outstanding achievement in the Center for Visual Arts. Awarded to In Kyung Chung Alana DiSabatino Ruthe Huang Emily Karcher Erica Lee Caroline Preziosi Olivia Rodriguez

Athletic Awards

THE BLUE JAYS UNLIMITED AWARD

Given to the Johns Hopkins varsity athlete who most exemplifies the spirit of Blue Jays Unlimited by demonstrating team spirit and leadership, promoting team unity and morale and enhancing the athletic experience of his/her teammates. Awarded to *Jared Forman*

THE CATHERINE P. CRAMER AWARD

Presented annually to the female student who has contributed most to athletics at the university. Awarded to *Meg Van De Loo*

THE LARRY GOLDFARB AWARD

Presented to a senior for outstanding service to the Hopkins athletic program. Awarded to *Meg Van De Loo*

THE HOWARD-SHRIVER AWARD

Presented to the senior who has demonstrated outstanding achievement in both academics and athletics while at the Johns Hopkins University. Awarded to *Jack Toner*

THE C. GARDNER MALLONEE AWARD

Presented annually to the male student who has contributed most to athletics at the university. Awarded to *Andrew Greenhalgh*

THE ROBERT H. SCOTT AWARD

Presented to the senior who has demonstrated excellence in athletics, scholarship, and extracurricular participation. Awarded to *Haley Schweizer*

Office of Multicultural Affairs Awards

THE OWENS, HALL, AND BILGRAVE AWARD

This award recognizes the student who demonstrated significant involvement in undergraduate student activities. Awarded to

Elaine Asare

THE CHESTER WICKWIRE DIVERSITY AWARD

This award distinguishes the undergraduate student of any race or ethnic background who promotes multicultural harmony on the Homewood campus. Awarded to *Natalie Hernandez*

THE EXEMPLARY LEADERSHIP AWARD

A recognition of students who demonstrate commitment to the JHU community and contribute positively to the personal enrichment and leadership of others. Awarded to *April Lugo Oluwakemi Oguntona*

Student Government Association Awards

STUDENT EXCELLENCE AWARD FOR LEADERSHIP AND SERVICE

Awarded annually by the Student Government's SEALS Committee to undergraduates in recognition of meritorious and outstanding contributions to student activities.

Awarded to Anthony Garay

STAFF EXCELLENCE AWARD FOR LEADERSHIP AND SERVICE

A recognition of a member of Homewood staff or administration who has demonstrated commitment to helping students. Awarded to *Kelsie Gory*

THE EMERGING

LEADERS AWARD FOR UNDERGRADUATES A recognition of an undergraduate student who has made new and significant contributions to student life. Awarded to *Cameron Little*

Class of 2017 Awards

GILMAN CUP

Awarded by the Senior Class in recognition of outstanding contributions to the Homewood community by a Student Affairs staff member. Awarded to *Caroline Ouwerkerk*

GOLD CUP

Awarded by the Senior Class in recognition of outstanding contributions to the Homewood community by a Student Affairs faculty member. Awarded to Dr. William Smedick

THE OLD GOLD AND SABLE AWARD

Awarded by the Senior Class in recognition of outstanding contributions to the Homewood community by the recipients during their tenure at the Johns Hopkins University. Awarded to *Jane Rhyner*

Teaching Awards

PROFESSOR JOEL DEAN EXCELLENCE IN TEACHING AWARD

The Professor Joel Dean Excellence in Teaching Award is given annually to one or more graduate students or faculty members who demonstrate an intense devotion to teaching and a talent for making computer science and/or mathematics more understandable. The award was established by Joel Dean Jr., a Whiting and Krieger School parent, in honor of his father and is supported by the Joel Dean Foundation. Awarded to Prashant Athavale Amitabh Basu Alexis Cheng Kyoung-A Cho

Michael Dinitz Giovanni Di Matteo William Hua

Anthony Karahalios Joseph Paat Tianyi Ren Elizabeth Reiland Emily Riehl Aekyung Sin Jim Spall Emmett Wyman Jingyi Zhu

THE GEORGE E. OWEN TEACHING AWARD

Given annually for outstanding teaching and devotion to undergraduates, this award was established by the 1982 Student Council to honor George E. Owen, who was dean of the Homewood Faculties. Awarded to Annette Leps

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

AMERICAN SOCIETY OF MECHANICAL ENGINEERS AWARD

For outstanding effort and accomplishment on behalf of Johns Hopkins University ASME student chapter. Awarded to *Cora Dimmig*

EVANGELIA DAVOS PRIZE

Awarded annually to the classics major or minor whose work in Greek studies has been outstanding. Awarded to *Anna E. Soifer*

ROBERTO R. ARELLANO AWARD

For excellence in writing by a Writing Seminars undergraduate. Awarded to *Ezekiel H. Goodman*

THE CHRISTIAN DELACAMPAGNE AWARD

For the best French senior thesis. Awarded to *Louna Dekker-Vargas*

JAMES F. BELL AWARD

For outstanding undergraduate research and scholarly achievement in Mechanical Engineering. Awarded to *Erez Krimsky*

BIOMEDICAL ENGINEERING DISTINGUISHED SERVICE AWARD

This award is presented to biomedical engineering students who have demonstrated outstanding service to the academic community through their work with the Biomedical Engineering Society (BMES) or in the classroom. Awarded to Saranga Arora (2017) Alianna R. Sanzi (2016)

BIOMEDICAL ENGINEERING RESEARCH DAY AWARD

This award is given to the top presentations at the annual Undergraduate Research Day event.

Awarded to Alexandra Berges (2015, 2016) Jourdan Ewoldt (2017) Alianna Sanzi (2015) James Shamul (2016) Andrew Tsai (2015)

DETLEV W. BRONK AWARD

For outstanding scholarship in biophysics. Awarded to *Shohei Yamakawa Will Xiao John Korleski*

LUCIEN BRUSH AWARD FOR EXCELLENCE IN ENVIRONMENTAL ENGINEERING

The Lucien Brush Award for Excellence in Environmental Engineering is given annually for outstanding achievement in Environmental Engineering by a graduating senior (or seniors). The award was established in memory of Professor Lucien M. Brush, Ir., a faculty member who was a major part of the substance and the spirit of the department and of the university for some 25 years. Awarded to Christina Cho Alyssa Sooklal Iessica Zionts

THE CHAFFEE WRITING PRIZE

Recognizing the performance and promise of one or more Writing Seminars undergraduates. Awarded to *Audrey S. Holt Yaniv M. Moore*

CIVIL ENGINEERING ACHIEVEMENT AWARD

For outstanding achievement by a senior in the Department of Civil Engineering. Awarded to *Michael Bain*

CIVIL ENGINEERING FACULTY RECOGNITION AWARD

For academic excellence and community leadership by a student in Civil Engineering. Awarded to *Sarah Westley Avital Zenilman*

INFORMATION SECURITY INSTITUTE COMPASS SCHOLARSHIP AWARD

Awarded to an MSSI student for superior performance in their coursework, research project, and service. Awarded to *Gijs Van Laer*

THE STEVEN AND CAROLYN OPPENHEIMER AWARD

Awarded to a student who demonstrates great research and teaching promise. Awarded to *Arvin Saleh*

THE EXCELLENCE IN COGNITIVE SCIENCE AWARD

Awarded annually to a graduating Cognitive Science major for academic excellence and outstanding accomplishment in research. Awarded to *Ioana Grosu*

JAMES S. COLEMAN AWARD

This award, established in 1994 by the Department of Sociology, honors Dr. James S. Coleman, the first chair of the department. The award is for outstanding academic achievement by a senior majoring in sociology. Awarded to *Mollie Cueva-Dabkoski Corey Payne*

COMPUTER SCIENCE CS+X AWARD

To a senior Computer Science major for outstanding achievement in combining diverse studies with Computer Science. Awarded to *Kathryn Hochberg Kathleen Kusworo*

COMPUTER SCIENCE OUTSTANDING COURSE ASSISTANT AWARD

To a student for outstanding effort and skill in assisting with the teaching of courses. Awarded to *Christian-Dudley Reotutar*

COMPUTER SCIENCE OUTSTANDING SENIOR AWARD

To a senior Computer Science major for academic excellence, leadership, and service in the Department of Computer Science. Awarded to Samuel Beckley Noah Presler Corbin Rosset

COMPUTER SCIENCE SPECIAL SERVICE AWARD

To a student who has done outstanding work to benefit the Computer Science Department, Johns Hopkins University, and the community. Awarded to *Maxwell Yeo*

THE STEPHEN DIXON LITERARY PRIZE

A yearly literary prize will be given in the name of our distinguished colleague, Stephen Dixon, and awarded to a graduating senior whose work has demonstrated distinctive stylistic flair in keeping with the high mark established by Professor Dixon's stories and novels. Awarded to *Maggie C. Gill*

EHE FACULTY AWARD FOR SERVICE AND ACADEMIC ACHIEVEMENT

The Faculty Award for Service and Academic Achievement is given to a senior (or seniors) for outstanding service and academic achievement in the Department of Environmental Health and Engineering. Awarded to *Gabriel Mantegna Laura Marlow*

SARAH K. DOSHNA UNDERGRADUATE RESEARCH AWARD

This award is given for demonstrated contributions to research in Chemical and Biomolecular Engineering. The award is named in memory of former undergraduate student Sarah K. Doshna. Awarded to Mitchell Keller Wilhelm Liano Shih-Hao (Ben) Ou Luis Rodriguez Brian Ryu Joanna Schneider Vishwesh Shah Vitor Tang

ELECTRICAL AND COMPUTER ENGINEERING STUDENT LEADERSHIP AWARD

This award recognizes significant achievement by a graduating senior for leadership and service in the Department of Electrical and Computer Engineering. Awarded to *Seal-Bin Han*

ENGLISH SENIOR ESSAY AWARD Awarded each year for the best essay by a senior English major. Awarded to Audrey Holt

ROBERT GEORGE GERSTMYER AWARD

For outstanding undergraduate achievement in Mechanical Engineering. Awarded to *Cora Dimmig*

G. STANLEY HALL PRIZE

For outstanding achievement by an undergraduate in Psychology. Awarded to *Alana DiSabatino*

H. KEFFER HARTLINE AWARD

For excellence in undergraduate research in Biophysics. Awarded to *Athena Chen*

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 *Yeyi Yun*

JACOB H. HOLLANDER PRIZE

For excellence in writing by a Writing Seminars undergraduate. Awarded to *Debbie Ou*

THE THREE ARTS CLUB OF HOMELAND AWARD

For excellence in writing by a Writing Seminars undergraduate. Awarded to *Helena H. Chung*

Awards —

WILLIAM H. HUGGINS AWARD

William H. Huggins was chair of the Department of Electrical Engineering from 1970 to 1975. He was a member of the National Academy of Engineering, a fellow of the IEEE, and a recipient of the IEEE Educational Medal and the IEEE Edison Medal. These awards are presented annually to senior students in Electrical and Computer Engineering for outstanding scholarship and service to the department and to their fellow students.

Awarded to Zhengyun Jerry Ji Yuan Jing Vincent Yan

CHARLES A. CONKLIN AWARD

Charles A. Conklin III earned his bachelor's degree in electrical engineering from Johns Hopkins in 1927. This award is presented to outstanding Electrical and Computer Engineering seniors to recognize their academic achievements. Awarded to Jeffrey Sham, Computer Engineering Yeyi Yun, Electrical Engineering

IEEE ETA KAPPA NU EXCELLENCE AWARD

This award recognizes those within the Department of Electrical and Computer Engineering who have demonstrated exceptional academic accomplishments. This award is presented to a member who has not only excelled in scholastics but also exhibited sizable contributions to the university and the community through extraordinary character and leadership. Awarded to *Zhengyun Jerry Ji*

RICHARD J. JOHNS AWARD

For outstanding academic achievement in Biomedical Engineering. Awarded to Ju Young Ahn Rajiv Deshpande Shohini Ghosh Kush Gupta Joe Hakim Jon Hochstein Kevin Huang Nikhil Jois Noemie Keller Do Hun Kim Andrew Mao Akash Premkumar Qiuyin Ren William Shyr Erik Tan Elli Tian Andrew Tsai Yu Zhang

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AICHE) AWARD

Presented to the Chemical and Biomolecular Engineering students with the highest scholastic standing after the sophomore year. This award is given to student with junior standing. Awarded to Daniel Kovtun Abhishek Gami Paige Stanley Jieun Park Matthew Ryan Tan Shuheng Wang Brandon Yu

PAUL A.C. COOK AWARD

For outstanding sophomores or juniors in Chemical and Biomolecular Engineering who are best all-around students. Awarded to Daniel Kovtun Paige Stanley Richard J. Hommel Leena H. El-Mufti Vishwesh Shah

LOY WILKINSON AWARD

For a demonstrated record of academic excellence, leadership, and service in Chemical and Biomolecular Engineering. Awarded to *Jin Mo Koo Shuoyang Li Jee Yeon Sohn Salomon Vainstein*

SPECIAL SERVICE AWARD Presented to a non-

major student who made outstanding contributions to Department of Chemical and Biomolecular Engineering. Awarded to *Luis Rodriguez*

JOSEPH L. KATZ AWARD

Presented to Chemical and Biomolecular Engineering seniors for academic excellence in the Chemical and Biomolecular Engineering Senior Lab course. Awarded to Andrew Gu Youngeun Kim Brian Ryu Jee Yeon Sohn Kevin Trigani

FRANCIS J. FISHER RESEARCH AWARD

For an undergraduate student who is excelling academically and who is involved in a research program related to cancer. Awarded to *Vishwesh Shah Fatima Umanzor*

GENENTECH PROCESS RESEARCH AND DEVELOPMENT OUTSTANDING STUDENT AWARD Presented to an outstanding student in disciplines related to the needs of the

biotechnology industry. Awarded to Apurv Hirsh Shekhar

RACHEL REICHNER MEMORIAL AWARD

This award is dedicated to the memory of Rachel Reichner, Class of 2016, who was an outstanding Chemical and **Biomolecular Engineering** student. Rachel possessed a unique joie de vivre and showed inspiring dedication to her studies in the face of adversity. The award is granted to an outstanding junior who shares Rachel's great enthusiasm for engineering, dedication to academic excellence, and community spirit. Awarded to Arisa Morgan

ELNORA STREB MULY AWARD

This award sponsors students majoring in Chemical Engineering who are conducting independent study or independent research on practical problems identified by engineers working in the chemical industry. It was established by William Muly '38 in memory of his wife, Elnora Streb Muly. Awarded to Dahlia Rohm Kayvon Tabrizi Songnan Wang

DONALD E. KERR MEMORIAL AWARD

To the outstanding undergraduate major in Physics and Astronomy. Awarded to *Thanh Le*

ARTHUR KOUGUELL MEMORIAL PRIZE

For the undergraduate honors thesis that best represents Arthur Kouguell's commitment to scholarly and human values. Awarded to *Giannina Crosby*

DANNY LEE AWARD

For outstanding undergraduate research in biomedical sciences. Awarded to Daniel Kim

WILLIAM D. MCELROY AWARD

For meritorious research conducted by an undergraduate in the biological sciences. Awarded to *Melaku Arega*

THE RICHARD A. MACKSEY AWARD

Given to the graduating senior, a member of Phi Beta Kappa, who best represents a combination of academic excellence and educational breadth.

Awarded to Allison Haines Comotto

MATERIALS SCIENCE AND ENGINEERING ACHIEVEMENT AWARD For outstanding academic

achievement by a graduating senior in Materials Science and Engineering. Awarded to *Sijia Li*

EMILY AND THOMAS MEREN SCHOLAR AWARD Established in 1998 in support of undergraduate students pursuing a BS/MS degree in Neuroscience. Awarded to *Preston Ge*

CHARLES A. MILLER AWARD Awarded by the Mechanical Engineering Department for outstanding undergraduate achievement. Awarded to *Caitlin Clancy Emily Mancuso*

MICHAEL J. MUUSS RESEARCH AWARD

This award, established by the Computer Science Department in 2000 in memory of alumnus Michael J. Muuss '79, is given annually to a student who has demonstrated the best application of research to practice. Awarded to *Trevor Aron*

DAVID S. OLTON AWARD

Given annually to support undergraduate research in the area of the biology of behavior, broadly defined. Awarded to Dan Ju

ROBERT B. POND SR. ACHIEVEMENT AWARD

Awarded to the graduating senior in the Department of Materials Science who best exemplifies Robert Pond's commitment to scholarly and humane values. Awarded to *Michelangelo Fichera*

MOST DISTINGUISHED THESIS IN PUBLIC HEALTH STUDIES Awarded to *George Mwinnyaa Rienna G. Russo*

OUTSTANDING SENIOR AWARD IN PUBLIC HEALTH STUDIES

For academic excellence, leadership, and service in public health. Awarded to *Robert P. Besch Gauri Bhatnagar*

THE CURT P. RICHTER AWARD IN BEHAVIORAL BIOLOGY RESEARCH

In recognition of outstanding achievement in the David S. Olton Behavioral Biology Program. Awarded to Dan Ju

DR. BENJAMIN T. SANKEY FELLOWSHIP

A yearly award established in memory of Benjamin Sankey, a graduate of our program, that recognizes superior performance in the graduate MFA program of Writing Seminars. Awarded to Dylan Carpenter Mary G. Terrier

SENIOR DESIGN ENGINEERING AWARD

In recognition of outstanding contributions to the design and conduct of an independent research project in the Department of Materials Science and Engineering. Awarded to *Shin-Jae Lee*

ROBERT H. SCANLAN AWARD

For a student who demonstrates an interest and ability to link engineering research to engineering practice. Awarded to *Evelyn Torres-Alfaro*

GERARD H. SCHLIMM AWARD

For exceptional accomplishment by a student in Civil Engineering. Awarded to *Bryan Pon*

WILLIAM N. SHARPE AWARD FOR MECHANICAL ENGINEERING STUDENT INVOLVEMENT

Recognizes significant leadership and achievement in extracurricular activities among Mechanical Engineering students. Awarded to Sapreen Abbass Clara Aranguren Nastasia Winey

SIEBEL FOUNDATION PRIZE

Awarded to a student in bioengineering who displays excellence in academics, research, and leadership. Awarded to Adriana Blazeski Lindsay Clegg Shiva Razavi

Awards —

DAVID T. YUE MEMORIAL AWARD

This award is dedicated to the memory of David T. Yue, MD-PhD class of 1987, a joyful teacher, inspiring mentor, worldrenowned scientist, and beloved colleague in the Department of Biomedical Engineering. The award recognizes outstanding teaching or mentoring by an undergraduate teaching assistant or laboratory manager. Awarded to Alexandra Berges Emily Borst Kyoung-A Cho Jourdan Ewoldt Rebecca Glowinski Michael Good Jon Hochstein Kendrick Hougen Jin-Woo Oh Qiuyin Ren Miguel Sobral Andrew Tsai

JULIAN C. STANLEY AWARD

For the undergraduate psychology major who most closely approximates Dr. Stanley's personal and professional standards of excellence. Awarded to *Alexia Huggins*

STANTON FORGIONE PRIZE

Named in memory of Phoebe B. Stanton (faculty, 1954– 1982) and Nancy E. Forgione (BA 1974, PhD 1992) for outstanding achievement by an undergraduate in History of Art. Awarded to

Kirsten Burke

J.J. SYLVESTER AWARD

For outstanding achievement by a senior in Mathematics. Awarded to *Julian Joseph Gould Yve Nicole Lepkowski*

WILLIAM LOWELL PUTNAM AWARD

For the best performance on the Putnam Exam by a Hopkins undergraduate. Awarded to *Ryan Lake Jin Lu*

WILLIAM KELSO MORRILL AWARD

For a graduate student in the Department of Mathematics who exemplifies the qualities set forth by William Kelso Morrill, for excellence in teaching mathematics. Awarded to Jakun Xi

LINDA TRINH MEMORIAL AWARD

This award is dedicated to the memory of Linda Trinh, Class of 2005, who worked tirelessly through her research and volunteer efforts to improve the human condition. It is awarded to a design team that embodies her spirit, qualities, and accomplishments. Awarded to Saranga Arora (2014) Alexandra Berges (2017) Rajiv Deshpande (2014) Paola Donis (2014) Nikhil Jois (2016) Richard Shi (2017) Bailey Surtees (2016) *Erik Tan (2014)*

THE SEVERN TEACKLE WALLIS MEMORIAL PRIZE

For an essay or other original work on Spanish or Latin American literature, literary history, culture, or art. Awarded to *Christina Kiriakos*

THE JOHN BOSWELL WHITEHEAD AWARD

John Boswell Whitehead was named professor of Electrical Engineering at JHU in 1910 and began a program in applied electricity that led to the formation of the Electrical Engineering Department. Professor Whitehead also was the first dean of the School of Engineering. This award is presented annually to an undergraduate student for outstanding achievements in electrical and computer engineering. Awarded to Bo Liu

ARDUINO DESIGN COMPETITION AWARD

The Arduino Design Competition challenges teams to design the most creative, innovative or unique device. Arduino is an open-source electronics platform based on easy-to-use hardware and software. It is intended for anyone making interactive projects. Arduino senses the environment by receiving inputs from many sensors and affects its surroundings by controlling lights, motors, and other actuators. Users can tell an Arduino what to do by writing code in its programming language and by using the Arduino development environment. This award honors the top team/

developers in the annual Johns Hopkins Arduino Design Competition. Awarded to *Nicholas Duncan*

THE WOLMAN AWARD

Given annually to a graduating senior who exhibits both promise and spirit in regards to interdisciplinary work. The award was established in memory of M. Gordon "Reds" Wolman, a faculty member in the department of Environmental Engineering who contributed to the academic growth of the university through service as a department chair and interim provost and through strong advocacy of interdisciplinary studies. He was a beloved member of the Johns Hopkins University for more than half a century. Awarded to Nicole Cohen Ziwei He

APPLIED MATHEMATICS AND STATISTICS AWARD FOR OUTSTANDING MASTER'S RESEARCH

This award recognizes one or more students enrolled in one of the AMS Master's programs who have been engaged in research in applied mathematics and whose accomplishments and creativity have exceeded expectations. Awarded to

Xilei Zhao

APPLIED MATHEMATICS AND STATISTICS ACHIEVEMENT AWARD Awarded to Julian Gould Anthony Karahalios Sijia Li

APPLIED MATHEMATICS AND STATISTICS MATHEMATICAL MODELING PRIZE

Each year, the Department of Applied Mathematics and Statistics recognizes high levels of performance by undergraduates or research teams engaged in mathematical modeling, either in applying mathematics to a real-world problem or by participating in the Consortium for Mathematics and its Applications International Mathematical Modeling Competition. Awarded to Neil Gahart Anthony Karahalios James Stroud

THE NADDOR PRIZE

The Naddor Prize is awarded to a non-senior undergraduate for significant achievement in departmentally related academic and extracurricular activities. It is named in honor of the late Professor Eliezer Naddor, the first recipient of a PhD in operations research in the United States and a longtime faculty member in the department of Applied Mathematics and Statistics. Awarded to Athena Chen Neil Gahart Dongyue Li Rong Liu Avi Mahajan Thomas Marge Pranay Orugunta

THE CREEL FAMILY

TEACHING ASSISTANT AWARD Recognizes the best teaching assistant(s) in Mechanical Engineering. Awarded to Nathan Greene Susanna Kellogg Ratan S. Othayoth

Advanced Academic Programs Awards

ALUMNI AWARD Awarded to Kenny Ames, Government

BEST CAPSTONE IN GOVERNMENT ANALYTICS Awarded to Christopher Sidebottom, Government Analytics

BEST GLOBAL SECURITY STUDIES THESIS USING QUANTITATIVE ANALYSIS Awarded to Sara Shirvan, Global Security Studies

BEST MASTER'S THESIS IN THE AREA OF DEMOCRACY STUDIES Awarded to *Timothy Myers, Government*

BEST MASTER'S THESIS IN THE AREA OF STRATEGIC STUDIES Awarded to Hana Rudolph, Global Security Studies

BEST THESIS IN SECURITY POLICY Awarded to Anthony Lang, Global Security Studies

BEST THESIS IN THE AREA OF DOMESTIC POLICY Awarded to David R. Skallman, Government

CAPSTONE PROJECT AWARD Awarded to

Tom Morris, MLA

OUTSTANDING GRADUATE

Robert Cwiklik, Writing Adam Gattuso, Writing Minhaj Hasan, Writing Phillip Hearn, Writing Nur Nasreen Ibrahim, Writing Frances Rudner, Writing Julia Tagliere, Writing

THE HAROLD SEIDMAN AWARD

Awarded to Aryenish Birdie, Public Management Katharine Hannon, Public Management

The Carey Business School

DEAN'S AWARD FOR EXCELLENCE The Dean's Award is presented to an undergraduate for the highest grade point average in the Bachelor of Business Administration program. Awarded to *Yi Rui Tiffany Gwee*

THE EDWARD J. STEGMAN, CPA, MEMORIAL AWARD

The Edward J. Stegman, CPA, Memorial Award for Excellence in Business Scholarship is named in memory of Edward J. Stegman, founder of Stegman & Company, who taught Business Economics and Accounting at Johns Hopkins University from 1928 until 1945. Since 1975, over 430 high-achieving graduating students have earned this prestigious award. The award is currently presented to graduating students with the

highest GPA in the full-time MBA program, the full-time MS programs, and the parttime graduate programs. Awarded to Alexander Joseph Fratti, Master of Science, Full-time Jonathan David Hartman, Master of Business Administration, Part-time Ji-Hui G. Ooi, Master of Business Administration, Full-time

The School of Education

ALAN THORMEYER AWARD

Awarded to a Master of Arts in Teaching student who exemplifies the spirit and dedication of its namesake. Awarded to *Megan O'Leary*

DIANE TOBIN MEMORIAL AWARD

School of Education faculty created this award in her honor to recognize those who have demonstrated excellence in teaching. Awarded to *Kimberly Sterin*

EDWARD F. PAJAK AWARD

Awarded to an alum of the School of Education Doctor of Education program. The recipient is a K-12 school leader who has distinguished him- or herself by being a visionary leader through the application of progressive educational theory to the practice of serving communities, families, and youth. Awarded to *Jimmie Lynn Walker*

The School of Medicine

THE PAUL EHRLICH RESEARCH AWARDS

The Paul Ehrlich Research Awards were established to honor Dr. Paul Ehrlich with funding originally granted by Dr. Emanuel Libman. The awards, which recognize student research contributions, are presented each year at Young Investigators' Day. Awarded to *Kirsten Joy Meyer (2014–2015) Yun Qing (2015–2016) Tim Xu (2014–2015)*

THE STUDENT RESEARCH AWARD

The Student Research Award is sponsored by the Association for Academic Surgery and recognizes outstanding research efforts by a senior medical student interested in a surgical career. Awarded to *Albert Thein Lwin*

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. Awarded to Stephanie Wang Zuo

THE EXCELLENCE IN MEDICAL STUDENT RESEARCH AWARD

This award is given annually to students whose efforts in basic biomedical, clinical, or public health research is noteworthy and found deserving of special recognition. Awarded to Joshua Roland Lupton (2014–2015) Manoj Venkat Maddali (2014–2015) Amy Quan Quan (2016–2017) Allen Young (2014–2015)

THE HANS JOAQUIM PROCHASKA RESEARCH AWARD

The Hans Joaquim Prochaska Research Award was established in 1998 to honor outstanding discovery by a student in the School of Medicine. Awarded to *Siew Cheng Phua (2015–2016)*

THE BAE GYO JUNG AWARD The Bae Gyo Jung Research Award was established in 2006 by friends and family in memory of Bae Gyo Jung, who was a predoctoral student in the Department of Biological Chemistry. Awarded to *Xindong Song (2015–2016)*

THE W. BARRY WOOD STUDENT RESEARCH AWARD The W. Barry Wood Student Research Award recognizes present commitment and future promise in research. Awarded to Andrea Victoria Yonge

THE HAROLD LAMPORT BIOMEDICAL RESEARCH PRIZE

The memory of Dr. Harold Lamport, a distinguished investigator, is honored by this prize established by the Lamport Foundation. The prize recognizes research contributions. Awarded to *Maria Ann Phillis (2014–2015)*

THE 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 MD and PhD degrees from the Johns Hopkins University. Awarded to Katherine Michelle Bruner (2016-2017) Alissa Mo (2015–2016) Susan Edith Stanley (2014-2015)

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 PhD 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 PhD candidate in the School of Medicine. Awarded to Shuohao Sun (2016–2017)

THE DAVID ISRAEL MACHT RESEARCH AWARD

The David Israel Macht Research Award 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 the 20th century and was a pioneer investigator in the field of opiate alkaloids. The award is intended to recognize excellence in investigation by a student in the School of Medicine.

Awarded to

Jungwoo Wren Kim (2016–2017) Jieun Lee (2015–2016)

THE MARTIN AND CAROL MACHT RESEARCH AWARD

The Martin and Carol Macht Research Award is given to a doctoral candidate whose research evidences elegance in science, originality in thought, and creativity in approach. The award was made possible by a donation from the Macht family of Cincinnati, Ohio. Awarded to David James Herzfeld (2015–2016)

THE METTE STRAND RESEARCH AWARD

The Mette Strand Research Award 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 unyielding devotion to science, and her role in the training of a generation of graduate students of this institution.

Awarded to David James Herzfeld (2014–2015) Jonathan P. Ling (2016–2017) Kai Liu (2016–2017)

THE DAVID TUCKCHOW YUE AWARD

David Tuckchow Yue, a Johns Hopkins MD, PhD graduate, was an inspirational mentor to over 70 students, fellows and members of his Calcium Signals Lab, co-directed the **Biomedical Engineering** Ph.D. Program, and played an important role in the MD-PhD program. In his memory, his wife, Nancy, and sons, Michael, Daniel, and Jonathan, along with his Calcium Signals Lab members, have sponsored the David T. Yue Award to honor innovative research by outstanding graduate students at the Johns Hopkins School of Medicine

Awarded to David J. Herzfeld

THE HARVEY CUSHING MEDICAL STUDENT HUNTERIAN RESEARCH AWARD

This award is presented by the Department of Neurosurgery to a medical student who has demonstrated aptitude, dedication, and achievement in neurosurgical research and who shows promise for a career in neurosurgery. Awarded to

Nancy Amma Abu-Bonsrah (2015–2016)

SYLVAN SHANE PRIZE IN ANESTHESIOLOGY AND CRITICAL CARE MEDICINE

This prize, established by Dr. Sylvan Shane, a former member of the faculty in Anesthesiology and Critical Care Medicine, recognizes an outstanding medical student making a career choice in Anesthesiology. Awarded to Andrew Vincent Scott

WILLIAM H. WELCH AWARD

The William H. Welch Award recognizes outstanding achievement in Pathology by a medical student. Awarded to *Andrew Joseph Layman*

THE FRANK H. NETTER, MD MEMORIAL SCHOLARSHIP IN MEDICAL ART

The medical illustrator, Frank H. Netter MD, is known worldwide for his ability to distill complex medical subject matter into clear, effective teaching images. Dr. Netter was not only a skilled draftsman but was knowledgeable in anatomy, physiology, and pathology through his medical training. Family and friends established this scholarship to recognize a student in Art as Applied to Medicine who displays a similar balance of medical and scientific knowledge with the artistic skills that Dr. Netter exhibited throughout his career. Winners of this award have excelled in their academic courses; displayed exceptional art expression; and most importantly utilized resources to create both welldesigned and effective didactic illustrations. Awarded to Sarah Alicia Chen Li Yao

WARFIELD T. LONGCOPE PRIZE IN CLINICAL MEDICINE

The award established in honor of Dr. Longcope, director of the Department of Medicine from 1922 to 1946, recognizes that graduating student entering the field of medicine whose performance in clinical medicine exemplifies in outstanding fashion the academic excellence and the human qualities that mark the true physician. Awarded to *Sarah Jeane Skuli*

HELEN AND HAROLD HARRISON AWARD

The Harrison Award recognizes the remarkable achievements of Doctors Helen and Harold Harrison. The award was established by Dr. Harrison's house officers and colleagues during his many years as chief of Pediatrics at the Baltimore City Hospitals. This award recognizes outstanding proficiency in pediatrics. Awarded to *Carolina Maria Montano*

WILLIAM STEWART HALSTED AWARD IN SURGERY

This award established in honor of Dr. Halsted, the first professor and director of the Department of Surgery, recognizes that graduating student entering the field of surgery whose proficiency in the discipline is deemed outstanding by the faculty of the Sections of Surgical Sciences. Awarded to

Alexis Lynna Graham

EMILY SIMMS HALLER PRIZE IN OBSTETRICS

The Emily Simms Haller Prize in Obstetrics was established in 1993 to honor outstanding medical students for their work in obstetrics. Dr. Haller used the Hopkins Hospital Clinics and Labor and Delivery Suite as a site for regular medical student education. Dr. Haller is beloved by decades of students for her teaching and is recognized for her clinical excellence. She is a wife and mother of Hopkins' physicians. The prize was created by colleagues, friends, and family. Awarded to

Ayresleigh Brandina Rowland

SOCIETY FOR ACADEMIC EMERGENCY MEDICINE AWARD

This award recognizes a senior medical student who has demonstrated excellence in the specialty of emergency medicine. Awarded to

Sandra Marcela Lopez

AMERICAN ACADEMY OF NEUROLOGY PRIZE FOR EXCELLENCE IN NEUROLOGY

This prize is awarded by the American Academy of Neurology annually to a graduating medical student who exemplifies outstanding scientific achievement and clinical acumen in neurology or neuroscience and outstanding personal qualities of integrity, compassion, and leadership. Awarded to *Kathryn Brown Holroyd*

THE NOVEY PRIZE IN PSYCHOLOGICAL MEDICINE

This prize recognizes that graduating student with an outstanding academic record in Psychiatry who has written the best paper on the connection between medical illnesses and mental life. Awarded to

Alexander Bennett Stone

THE STEPHEN J. RYAN, M.D. PRIZE IN OPHTHALMOLOGY

Stephen J. Ryan, a graduate of the Johns Hopkins University School of Medicine, Class of 1965, established this prize in honor of his dedication to medical excellence and his affiliation with the Johns Hopkins School of Medicine and the Wilmer Eye Institute. This prize is awarded to a graduating Johns Hopkins medical student with an outstanding academic record who is entering the field of ophthalmology. Awarded to Karun Singh Arora

The School of Nursing

ACADEMIC EXCELLENCE AWARD To an Entry into Practice student whose academic performance has been judged outstanding. Awarded to *Kimberly K. Katada Sarah Anne Parker* THE JOHNS HOPKINS NURSES' ALUMNI ASSOCIATION AWARD To an Advanced Practice student demonstrating expertise in professional nursing practice and patient centered health care delivery. Awarded to *Brittany Francine Drazich Ashley Lauren Fenton Jessica Jean Thurn*

THE JOHNS HOPKINS NURSES' ALUMNI AWARD Recognizes an Entry into Practice student whose leadership ability is combined with clinical competence and an inquiring mind. Awarded to *Maia Kirsten Bradley Amanda Illene Mein*

EMMA JONES BECKWITH CULLEN AWARD

To an Entry into Practice student in recognition of the highest standards of nursing practice and executive ability. Awarded to Brandon Michael Campbell Joseph Carlton Young Taek Crowley

CARDIOVASCULAR DISEASE PREVENTION AWARD To the Advanced Practice student who has demonstrated a strong commitment to the prevention of cardiovascular disease through excellence in nursing practice or research, sponsored by the Preventive Cardiovascular Nurses' Association. Awarded to *Molly Ambler*

THE CHURCH HOME AND HOSPITAL NURSING ALUMNAE AWARD

Recognizes an Entry into Practice student who best exemplifies a humanistic approach to nursing while integrating the art, science, and the spirit of nursing. Awarded to Madeline Jane Breer Alexander Richardson Foullon

ELEANOR WADE CUSTER AWARD

To an Entry into Practice student who most successfully demonstrates initiative and creativity in improving the health of a community with sensitivity to one's fellowman. Awarded to *Kaytlyn Suzanne Burke Lauren Marie Greco Benjamin Sussman Roberts*

BETTY CUTHBERT AWARD

To an Entry into Practice student who demonstrates outstanding commitment and service to nursing and the university. Awarded to *Christopher Evan Mangels Katie Elizabeth Nelson*

SUE K. DONALDSON

DISSERTATION AWARD For the outstanding PhD dissertation in the School of Nursing. Awarded to Jocelyn Christine Anderson

LEADERSHIP AWARD

To an Advanced Practice student demonstrating outstanding leadership in the field of nursing. Awarded to *Evi Angela Dallman Keitra L. Thompson*

MARY AND GRAINGER MARBURG AWARD

In recognition of an Entry into Practice student who consistently exhibits outstanding clinical nursing expertise. Awarded to *Nicholas J. Levasseur David Allan Reif*

ROBERT G. MERRICK AWARD

To an Entry into Practice student demonstrating outstanding leadership in the field of nursing. Awarded to *Omonike Olushola Akinleye Kelsie Elizabeth Galusha*

RUTH DALE OGILBY AWARD

In recognition of exceptional academic performance in the Master's Advanced Practice program. Awarded to Bethany Heather Allen Amberle Grace Brown Amy Elizabeth Cutino Lisa Michelle DiAndreth Julia Hathaway Greenwood Michaela Courtney Guild Caroline Eva Schildbach Jessica Erin Stafford Caressa Franchesca Valdueza Amanda Jeanne Woodwell

RESEARCH AWARD

To an Entry into Practice student demonstrating intellectual curiosity and creativity in nursing research. Awarded to *Kendall J. McCoy Caroline Alima Sacko*

EDNA SCHOEN MEMORIAL AWARD

To an Entry into Practice student demonstrating excellence in clinical practice. Awarded to Ann Alexander Holm Meaghan Anita Murphy

SIGMA THETA TAU NU BETA CHAPTER AWARD

To an Advanced Practice student in recognition of superior academic achievement, creative scholarship, and research. Awarded to *Michaela Courtney Guild Robin Lin Hall Amy Claire Pennington*

THE SINAI NURSES' ALUMNAE ASSOCIATION OF SINAI HOSPITAL INC.

Recognizes an Entry into Practice student who exhibits enthusiasm, compassion, and a positive approach to problem solving in nursing. Awarded to *Alyssa Paige Diggs Yaffa Michelle Elefant*

JOAN SUTTON AWARD

To an Entry into Practice student demonstrating a strong dedication to professional nursing, clinical excellence and interdisciplinary practice. Awarded to *Claudia Garcia Diaz Sarah Anne Parker*

The Peabody Conservatory

CLINTON LEE ARROWOOD MEMORIAL PRIZE IN FLUTE Awarded to David Le

CLARA ASCHERFELD AWARD

Awarded to Anne Flood Ae Jin Kim Dong Yeon Kim Min Young Park Hanna Shin Pin-Ching Tsai Hongni Wu Min Joo Yi Yin Zhu

B & O WOMEN'S CLUB AWARD IN PERFORMANCE Awarded to *Julia Perry*

MARTHA AND WILLIAM BILL MEMORIAL PRIZE IN CLARINET Awarded to *Juan Esteban Martinez*

P. BRUCE BLAIR AWARD IN COMPOSITION Awarded to Daniel Sabzghabaei

GEORGE CASTELLE MEMORIAL AWARD IN VOICE Awarded to Simone Brown Christopher Edwards Megan Heavner Hanni Li Jessica Moss Elizabeth Sarian

ISRAEL DORMAN MEMORIAL AWARD IN STRINGS Awarded to *Najette Abouelhadi*

Zhe Zhang

BRUCE R. EICHER PRIZE IN ORGAN Awarded to *Phoon Yu Mi Zhou* PAULINE FAVIN MEMORIAL AWARD IN PIANO Awarded to *Ye Jin Lee Chia-Yu Tsai*

MOLLIE G AND JOSEPH L. FORSCHER AWARD IN MUSIC COGNITION Awarded to Samuel Stuart Garrett

SIDNEY FRIEDBERG PRIZE IN CHAMBER MUSIC Awarded to *Xiaohui Yang*

RICHARD FRANKO GOLDMAN PRIZE IN PERFORMANCE

Awarded to Teresa Ching Lin Zachary Travis

LILLIAN GUTMAN MEMORIAL

PRIZE IN PIANO Awarded to Sejoon Park

LYNN TAYLOR HEBDEN PRIZE IN PERFORMANCE Awarded to

Samuel Bessen Samuel Kelsay Jones

BRITTON JOHNSON MEMORIAL PRIZE IN FLUTE

Awarded to Lily Josefsberg Seungmin Oh

GUSTAV KLEMM AWARD IN COMPOSITION Awarded to *Connor Elias Way*

JAMES WINSHIP LEWIS MEMORIAL PRIZE IN ORGAN AND CHURCH MUSIC

Awarded to Dalaie Choi Kyongmin Kim Uhjin Kim IRVING LOWENS ENDOWED MEMORIAL PRIZE IN MUSICOLOGY Awarded to

John Ehrenburg Cynthia Sutton

ADA ARENS MORAWETZ MEMORIAL AWARD IN COMPOSITION

Awarded to Matthew Triplett

OTTO ORTMANN AWARD IN COMPOSITION Awarded to *Carlos Bandera*

MAY AND MARTIN RAILA AWARD IN MUSIC EDUCATION Awarded to

Matthew Ordille

OLGA VON HARTZ OWENS MEMORIAL PRIZE IN STRINGS

Awarded to Elizabeth Keckeisen Samuel Shreves

EXCELLENCE IN EARLY MUSIC AWARD Awarded to Sarah Lynn

PEABODY BASSOON PRIZE Awarded to *Alex Carlson*

HAROLD RANDOLPH PRIZE IN PERFORMANCE Awarded to *Olivia Kim*

Awards —

GRACE CLAGETT RANNEY PRIZE IN CHAMBER MUSIC

Awarded to Najette Abouelhadi Kaleigh Acord Nicholas Bentz Louna Dekker-Vargas Phillip Hagopian Sahun Hong Elizabeth Keckeisen Daisy Rho Sarah Thomas Ryo Usami

RICHARD ROSS MEMORIAL AWARD IN ORGAN

Awarded to *Sonja Kahler*

RANDOLPH S. ROTHSCHILD AWARD IN COMPOSITION

Awarded to Gabriel Bouche Caro

ALICE AND LEARY TAYLOR AWARD IN PERFORMANCE

Awarded to *Taryn Lee*

MELISSA TILLER MEMORIAL PRIZE IN STRINGS: VIOLIN Awarded to Andrew Dae Yun Kwon

FRANCES M. WENTZ TURNER PRIZE IN PIANO Awarded to Phillip Hagopian

J.C. VAN HULSTEYN AWARD IN STRINGS: VIOLIN

Awarded to Kaleigh Acord Nikita Borisevich Gabriel Ge Biao Lee Arianna Schickel Naomi Schrank Ryo Usami Hangchen Xiao

ANNIE WENTZ PRIZE IN VOICE Awarded to

Katherine Christenbury

GEORGE WOODHEAD PRIZE IN VOICE Awarded to *Rob McGinness* John Scherch Brad Testerman Louisa Tringali

SARAH STULMAN ZIERLER PRIZE IN ACCOMPANYING Awarded to Hyun Jung Kim Yesse Kim

The Bloomberg School of Public Health

P.D. AGARWAL SCHOLARSHIP To MPH students from India, Pakistan, Afghanistan, Bangladesh, Nepal, Maldives, Bhutan, or Sri Lanka. Awarded to Subhas Chandra Lal Das Ashish Goel

AOYAMA-KITA SCHOLARSHIP

To public health physicians from Japan, Korea, and Malaysia. Awarded to *Shogo Kubota Seuhee Yoo*

J. HOWARD BEARD FELLOWSHIP

To an outstanding student pursuing a career in local or state public health work. Awarded to *Anaeze Chidiebele Offodile II*

THE DAVID AND PATRICIA BERNSTEIN SCHOLARSHIP

To an outstanding MPH student. Awarded to *Samyra Roder Cox*

THE DAVID AND ELINOR BODIAN SCHOLARSHIP FUND

To a doctoral student in any department at the school whose dissertation research is at a critical juncture. Awarded to *Mariana Peixoto Socal*

CELE AND PETE BORCUK SCHOLARSHIP

To nurses or nursing students studying public health. Awarded to *Paul A. Banach*

THE CARR FAMILY HUMANITARIAN SCHOLARSHIP FUND

To support full-time MPH students at the School of Public Health. Awarded to *Poonam Daryani*

CENTER FOR A LIVABLE FUTURE-LERNER FELLOWSHIP

To doctoral students who are committed to the discovery and/or application of knowledge about public health challenges associated with current food systems and/or about the creation of a healthier, more equitable and more resilient food system. Awarded to Usama Bilal Karina Maren Hammershaimb Christiansen Lisa J. Krain Michelle S. Wong

DR. CHUN HUI YEN AND WANG PEI YEN SCHOLARSHIP FUND

To a student from Taiwan or China with demonstrated academic excellence and financial need. Awarded to *Jiajia Zhang*

ENDOWED SCHOLARSHIP IN THE HEALTH OF MOTHERS AND CHILDREN

To a student whose interests, research and career plans are focused on improving the health and saving the lives of mothers and children. Awarded to Jessica Karen Lee Amit Suneja Madhuli Yatin Thakkar

THE ESKRIDGE FAMILY STUDENT SUPPORT FUND FOR INTERNATIONAL STUDENTS To an outstanding international student. Awarded to *Linh Phuong Bui Jessica Magenwirth*

GLOBAL HEALTH SCHOLARS Supports students in the MPH program. Awarded to *Poonam Daryani*

HOWARD C. AND JANE R. GOODMAN FUND

To an outstandng MPH student. Awarded to *Tung Thanh Pham* THE SIBLEY AND CATHERINE HOOBLER AWARD FOR EXCELLENCE IN PUBLIC HEALTH AND MEDICINE

To encourage study at the Bloomberg School of Public Health and the School of Medicine. Awarded to *Mary Rochelle Smith*

LEE M. AND MAXWELL C. HOWARD SCHOLARSHIP FUND FOR INTERNATIONAL STUDENTS

To an outstanding international student. Awarded to *Tung Thanh Pham*

JOHN C. HUME MASTER OF PUBLIC HEALTH AWARD

To a graduate for academic excellence and professional promise. Awarded to *Phuong Tan Tran*

THE DR. CYNTHIA MAUNG ENDOWED SCHOLARSHIP FUND

To outstanding medical students pursuing an MPH degree. Awarded to *Ridwan I. Alam Sophia Ying-Yee Chan Rabia Yunus Karani Ambar Mehta*

JANICE EDDY MICKEY SCHOLARSHIP

Students who plan to devote their lives to improving health and human rights worldwide. Awarded to *Jiun-Ruey Hu*

MINORITY HEALTH AWARD

Students with a demonstrated commitment to minority health issues. Awarded to *Amit Suneja*

LOWELL J. REED AND WADE HAMPTON FROST SCHOLARSHIP To outstanding MPH students.

Awarded to Maria Luciana Armijos Radhika Vishwanath Gharpure Irena Gorski Victoria Jannell Hicks Zyleen Kassamali Shakirat Omolara Oyetunji Sarah Merie Paksima Jasmine Saleh

THE RUTH RICE PUFFER FUND FOR INTERNATIONAL STUDENT SUPPORT

To an outstanding master's degree student who is not a U.S. citizen. Awarded to *Anne Marie Desormeaux*

EDYTH SCHOENRICH SCHOLARSHIP

To support deserving MPH students. Awarded to Maya Thet Oaks Natasha Fatima Sabur

SOMMER SCHOLARS

Recognizing MPH and doctoral students with outstanding academic ability and public health leadership potential. Awarded to *Tanner James Bommersbach Danielle Catherine Boyda Hector Carrasco Sarah Rebecca Cohen Nicolae Done Timothée Fabrice Frühauf Kent David Garber Hannah Jane Green* Jocelyn Thalassa Deverall Kelly Juliette Mullin Jean Christophe Rusatira Shazeen Suleman Eric Mbugua Thuo Jonathan David Kawulok Updike

THE WATT/HANSELL ENDOWMENT

To an outstanding student pursuing training at the School of Public Health and the School of Medicine. Awarded to *Carolyn Mary Arnold*

The Paul H. Nitze School of Advanced International Studies (SAIS)

MAX M. FISHER PRIZE FOR EXCELLENCE IN TEACHING

This prize honors the late Max M. Fisher who was an advisor to U.S. presidential administrations for decades on Middle East policy. The prize is awarded each year at Commencement to one SAIS professor selected by the student body. Awarded to David A. Steinberg

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. Awarded to Dongheon Kim Christian Maximilian Stadler

CHRISTIAN A. HERTER AWARD

To a member of the secondyear class with the most outstanding academic record during the first three semesters. Awarded to *Gautam Vishram Mehta*

Phi Beta Kappa

Phi Beta Kappa, founded at the College of William and Mary in 1776, 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. The Johns Hopkins University chapter was founded in 1895.

FROM THE SENIOR CLASS IN THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES ELECTED IN 2016

Rebecca Black Kirsten Burke Sara Chadwick Preston Ge Atsumi Kimura Nicole Michelson Anna Soifer Will Xiao

FROM THE SENIOR CLASS IN THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES ELECTED IN 2017

Melaku Arega Tamuz Avivi William Bellamy Nathan Bick Charles Bushnell Charlotte Butash David Chan Tiffany Chan Athena Chen Chelsea Chen Lindsay Cheu Lani Chung Won-Ju Chung Allison Comotto Mollie Cueva-Dabkoski Felipe d'Andrea

Cristina DelPrete Tejas Dharmaraj Alexandra Diehl Alana DiSabatino Isabel Evans Hannah Farkas Flora Fei Jeremy Fraenkel Danielle Franco David Gerry Madeline Goodman Matthew Griffin Cihang Gu George Han Maria Hazbon Carli Heiman Audrey Holt Ruthe Huang Alexia Huggins Rikki Jarvis Daniel Kim Evan Kim Isabelle Kim SangMin Kim Reona Kimura **Timothy Kistner** Kit Shaun Tommy Koh John Korleski Nadine Kronis Kevin Kwok Jody Law Eleanor Layfield Sunna Lee Wai Ching Crystal Lee Yve Lepkowski Philip Lin Samantha Lindgren Katherine Link Sizhe Liu Charltien Long Gina Ma Miloni Madan Jeremy McGale Nicita Mehta Martha Melsom Madeleine Mitchell Gabriela Mizrahi-Arnaud Elana Movshovich Matthew Nicola Ashley Park SungJae Park

Sungwoo Park Julia Phoon Myrna Reinhardt Ashleigh Samlut Ji Mary Seo Arjav Shah Prakhar Singal Melissa Staley Derek Teng Angela Wang Annette Wang Maggie Weese Brandon Wong Shohei Yamakawa Yu-Hsin Yen Yuqing Zhu Zachary Zilber

FROM THE SENIOR CLASS IN THE G.W.C. WHITING SCHOOL OF ENGINEERING, APPLIED MATHEMATICS AND STATISTICS, ELECTED IN 2017 Julian Gould Alexander Peterson

FROM THE PHD CANDIDATES IN THE BLOOMBERG SCHOOL OF PUBLIC HEALTH

Qing Cai Liming Dong Bing He Anna Elsa Marianne Kaagesten Amanda Joan Nguyen Tianchen Qian Eric Matthew Wier Goro Yamada

FROM THE PAUL H. NITZE SCHOOL OF ADVANCED INTERNATIONAL STUDIES

Marco Maximilian Eylert Ceriel Arend Gerrits Qifan Huang Anna-Christina Schmidl Giulia Spaggiari Christian Maximilian Stadler Itt Thirarath Yuan Zhang Xuefei Zhao

FROM THE PHD CANDIDATES IN THE SCHOOL OF MEDICINE

Soon Weng Cho Marion Andrea Schmidt Shuohao Sun

FROM THE MD CANDIDATES IN THE SCHOOL OF MEDICINE

Carolina Maria Montano

Upsilon Phi Delta

National academic honor society for students in health care administration programs.

The following members of the graduating class are: Erica Lynn Barnum Patrick Chang Mario Felipe Dest Rebecca K. Duffin Gabriel Santiago Gomez Jordan Ashley Hughes Ryan Duy Le Andrew James Metzler Christian Wendland

Upsilon Pi Epsilon

International honor society for the computing and information science disciplines. *Graduating students elected to UPE in 2016:* Trevor Aron Tiffany Chung Nishikant Deshmukh Kathleen Kusworo Noah Presler Corbin Rosset Akshay Srivatsan

Graduating students elected to UPE in 2017: Samuel Beckley Joon Hyuck Choi Kathryn Hochberg Matthew Ige Meghan Judge Rachel Kinney Sing Chun Lee Benjamin Leibowitz Xuchen Ma Adam Poliak Alianna Sanzi Gillian Wolff Maxwell Yeo

Delta Phi Alpha

This National German Honor Society seeks to recognize excellence in the study of German. The Johns Hopkins University The Delta Epsilon chapter was established in 1954.

The following members of the graduating class are: Kirsten Burke Harry Burke John Schwarcz Melissa M. Staley

Alpha Kappa Delta

Alpha Kappa Delta seeks to acknowledge and promote excellence in scholarship in the study of sociology, the research of social problems, and such other social and intellectual activities as will lead to improvement in the human condition.

FROM THE SENIOR CLASS IN THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES ELECTED IN 2017 Tiffany Chen Mollie Cueva-Dabkoski Katya Forbes Amanda Hernandez Yitong Jia Wai Ching (Crystal) Lee Dikshant Malla Elissa Mardiney Elyse Oliver Corey Payne Saakshi Suri Saraniya Tharmarajah

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: Peter Angeli Abigail Annear Kirsten Burke Lucinda Chiu Aaron Chum Zoe Demko Camilla Dohlman Daniel Esquivel Isabel Evans Tess Fields Lalita Ganti Madeline Goodman Sarah Hill Audrey Holt Dennis Hong Muhammad Hudhud Mallika Iyer Neha Kulkarni Charltien Long Corey Payne India Reiss Alex Sadler Olivia Shumaker Saakshi Suri

Saraniya Tharmarajah Tiffaney Tran Eli Wallach Connor Welsh Kit Shaun Tommy Koh

Tau Beta Pi National Engineering Honor Society

The following members of the graduating class are: Lingga Adidharma Ju Young Ahn Clayton Edward Andrews Clara Lindley Aranguren Alexandra Jeanne Berges Steven Xiang Chen Xinyi Chen Kyoung-A Cho Caitlin Elena Clancy Daniel Sydney Dembner Rajiv Sai Deshpande Cora A. Dimmig Jourdan Karen Ewoldt Joseph Vincent Federico Shohini Ghosh Andrew Ran Gu Kush Gupta Joe Bahij Hakim Ziwei He Kathryn Elsa Hochberg Jon David Hochstein Yu Yuan Huang Zhengyun Ji Nikhil Krishna Jois Noemie Muriel Keller Susanna Elaine Kellogg Do Hun Kim Youngeun Kim Jin Mo Koo Erez Krimsky Shuoyang Li Bo Liu Andrew Luu **Emily Christine Mancuso** Gabriel Alesandro Mantegna Andrew W. Mao Laura Frances Marlowe Madeline An Mei Mueller Jinwoo Oh Seung Mi Oh

Michael K. Porter Sanjana Prasad Akash Premkumar Samy Ramadane Qiuyin Ren Caitlin Marie Romanczyk Brian Kang Ryu Walter Lee Saine Daniel Edward Shade Yu Jung Shin William Shyr Miguel C. Sobral Jee Yeon Sohn Sydney Leigh Solomon Erik Xiaochao Tan Juechun Tang Elli Y. Tian Kevin T. Trigani Andrew S. Tsai Songnan Wang Nastasia Elizabeth Winey Yuan Jing Vincent Yan Junghoon Yeo Thomas Y. Yi Yevi Yun Yu Zhang

Eta Kappa Nu Engineering Society

The following members of the graduating class are: Sebastian Phillip Chen Kyoung-A Cho Nicholas Jacob Duncan Siham Elmali Zhengyun Jerry Ji Bo Liu Michael N. Miller Yixiao Qu Jeffrey Thomas Yuen Sham Hoaran Xu Yuan Jing Vincent Yan Yeyi Yun

Omicron Delta Kappa

The national honorary society of Omicron Delta Kappa is celebrating 100 years at Johns Hopkins University. Today we commemorate that milestone, the service and accomplishments of past students, and the inductees who will shape the future of this organization.

The following inducted members of the graduating class are: Christopher Beckmann Gauri Bhatnagar Jake Bieber Harry Burke Julia Chavarry Zoe Demko Madison Dutson Baxter Eldridge Fan Fei Danielle Franco Lalita Ganti Mira Haqqani Amanda Hernández Pankhuri Jha Susanna Kellogg Billy Kim Christina Kiriakos Sunna Lee Olivia Leung Shirley Li Alec Maki NIna Modanlo Elizabeth Norford Chanjun Park Bryan Pon Samy Ramadane Dillon Sciamanna Galen Shi Arun Sridharan Saakshi Suri Gurshawn Tuteja Matthew Williams Nastasia Winey Amber Zhang Clay Zou

Alpha Omega Alpha Honor Medical Society

The Alpha Chapter of Maryland was established at the Johns Hopkins University School of Medicine in 1906. 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: Anirudh Arun Kristin Crossin Darwin Caleb James Fan Megan Elise Gornet Kathryn Brown Holroyd Mark Samuel Iscoe Jacob George Light Joshua Roland Lupton Manoj Venkat Maddali Powell Perng Anita Rao Ayresleigh Brandina Rowland Sarah Jeane Skuli Cole Harris Sterling Susan Edith Stanley Sbaa Kauser Syeda Linda X. Yin Andrea Victoria Yonge Daniel James Zabransky

Delta Omega National Public Health Honor Society

Delta Omega was founded in 1924 at the Johns Hopkins University School of Hygiene and Public Health (now the Johns Hopkins Bloomberg School of Public Health) to promote excellence and to recognize accomplishments in scholarship and research.

The following members of the graduating class have been elected to Delta Omega: Devika Agrawal Ghada Fouad Al Yousif Ridwan I. Alam

Bethany Heather Allen Carolyn Mary Arnold Victoria Aysola Paul A. Banach Anna Michele Bellantoni Usama Bilal Tanner James Bommersbach Christopher Brady Amberle Grace Brown Aimee Elisabeth Bruederle Virginia Margaret Burke Haley Anne Bush Qing Cai Emily Dare Carter Debora Chan Kevin Chen Matthew Richard Collinson Erin Eileen Coonev Samyra Roder Cox Jacob Dachman Poonam Daryani Sumudu Sandamali Dehipawala Lisa Michelle DiAndreth Allysa Ann Dittmar Rebecca K. Duffin Isabel Evans Farnoosh Faezi-Marian Danielle Franco Collrane Juliana Frivold Timothée Fabrice Frühauf Radhika Vishwanath Gharpure Attia Anjum Goheer Dina Goodman Hannah Jane Green Elizabeth Marilyn Harvey Sarah Paige Haughwout Meagan Marie Hawes Shirley Hsueh Ying Ho Elisabetta Hobbins Lauren Miller Hosterman Jiun-Ruey Hu Ruthe Huang Amritanshu Bharatkumar Joshi Keya Durga Joshi Anna Elsa Marianne Kaagesten Anjani Kapadia Rebecca Marie Kerns

Isabelle Kim Kathryn Kline Brittany Lynn Kmush Lisa J. Krain Angela Louise La Macchia Hussain S. Lalani Ryan Duy Le Shirley Li Berkeley Nguyen Limketkai Elizabeth Liu Kimberly Diane Lovell Jessica Magenwirth Nina Modanlo Sophie Marie Morse George Mwinnyaa Saachi Nangia Divya Narayanan Amanda Joan Nguyen Kojo Twum Nimako Katherine Marie Ogden Cameron Ndubisi Okeke Olusola Ayodeji Orimoloye Ashley Park Steven William Parkes Marisa Ann Patti **Emily Rose Payne** Scott Jordan Pilla Tichelle Carol-Denise Porch Tianchen Qian Angel Christine Robinson Melinda Dale Sawyer Rose Sabrina Schrott Cara E. Schulte Tara Kirk Sell Joseph Yuhung Shen Tess A. Shiras Dana R. Stretchberry Stephen Paul Sutch Alana Teman Niyati Thakker Winter Maxwell Thayer Sara Elizabeth Thiam Gurshawn Tuteja Akachimere Cosmas Uzosike Madeleine Waldram Cherise Wong Michelle S. Wong Stacy Elizabeth Woods Minzhi Xing Merissa Ann Yellman Lisa Nicole Zingman

Sigma Theta Tau Nu Beta International Honor Society of Nursing

The Nu Beta chapter was established at Johns Hopkins School of Nursing in 1992. The purposes of Sigma Theta Tau are to recognize superior achievement and the development of leadership capabilities, foster high professional standards, encourage creative work, and strengthen commitment to the ideals and purposes of the profession of nursing.

The following doctoral students have been elected to Sigma Theta Tau Nu Beta: Charnita Bryant Mara Evans Michelle Henry Quanlei Li Marianne Schallmo Erin Spaulding

The following master's Advanced Practice students have been elected to Sigma Theta Tau Nu Beta: Leandra Armstead Buki Babagbemi Patricia Buzelli Julia Camargo Lourdes Careaga Andrew Corley Anna Curren Jewel Edmonds Laura Fisher Stacy Hoenes YouRi Hwang Rachel Jamora S. Rachel Kennedy Tae Youn Kim Kyung-Jin Lee Xin Li Jennifer Martin Melinda Mayorga Margaret Mills Irene Nakinishi Cynthia Oliver Kayla Percy Andrew Perry Lisa Puett

Nataly Rodriguez Laura Ross Schuyler Salmeron Hannah Salter Aura Santaella Maria Theresa Santiago Ware Michael Shelley Alexandra Sheridan Laura Strehle Nkechinyere Uwandu Alyssa Weinstein

The following master's Entry into Nursing Practice students have been elected to Sigma Theta Tau Nu Beta: Joycelyne Absolu Olavinka Ajomagberin Naureen Ali Nina Allen Jung-hee Amaral Alex Amato Megan Anderson Elizabeth Andres Tanvi Avasthi Ryan Anthony Bailon Roopsy Bajaj Michael Ballinger Megan Baron Christina Bell Katharine Boehner Sarah Boisen Duncan Bowling Maia Bradley Madeline Breer Valerie Brewer Catherine Brice Kelsi Brooks Amanda Brown Kaytlyn Burke Brandon Campbell Victoria Camporini Annelies Carl Emily Casselle Alessandra Catizone Zinying Chao Elizabeth Chapman Peg Cheong Brian Chung Aja Collins Sofia Colvin McKenzie Connors Thomas Cornish Joseph Crowley Kelly Cunningham Charles Dalrymple

Alexandra deMoncada Emily Dlugi Rebecca Dove Brian Downing Emily Dubin Marissa Duprey Kaiden Dyke Yaffa Elefant Elizabeth Falletta Rachell Farnham Kasey Faulkner Aymee Fenwick Jordan Fridenmaker Brianna Futia Marie-Sophie Gagne-Tawe Kelsie Galusha Claudia Garcia Diaz Courtney Garry Monica Ghali Melissa Gilbert Leah Goldberg Paula Gomez Alexander Gottsch Lauren Greco Charlotte Groch Annie Guan Christina Gunderson Leigh Harbison Elizabeth Harkins Michelle Herrerias Summer Hiett Anna Horn Tarring Huang Nikolay Ivanov Talia Jackowitz Sima Jaffari Brianna Jedlicka Kiera Johnson Mikaila Kalinowski Christina Kang Stephanie Karavlan Kimberly Katada Colleen Keany Kaitlyn Keller Elizabeth Kelman Sarah Kendall Katie Kennedy Karolina Kielbania Kendall King Nicole Kingsland Victoria Klingensmith Paige Kopp Andrew Kowalczyk Allegra Kwong Lindsey Lachner

Iennifer Lam Elizabeth Lawrence Hannah Lecesne Vivian Lee Sharon Lehil John Lenz Zoe Lim Kathleen Littleton Anne Lovering Annemarie Mak Gregory Malone Christopher Mangels Shoshana Markovitz Colleen Martin Jasmine Matos Caitlin Mayhew Casey McCormick Katherine McGinnis Siobhan McKenna Marit Medefind Amanda Mein Stephanie Miller Meera Mohan Alexandra Morani Melissa Moreno Sarah Murphy Fatou Ndiave Jace Nebeker Jennifer Ng Onyekachukwu Nnanyelugoh Kelly Norsworthy Elizabeth Novinski Katriana Nugent Meghan Nunez Rachel O'Boyle Margaret O'Hara Jenna Oien Hannah Pahutski Katherine Panich Kaye Park Kelsey Parr Reshma Patidar Kaylyn Patitucci Morgan Patullo Noelle Pavlovic Christine Peck Kelsey Porter Angela Prouty Alessandra Quaroni Colleen Quinn Harinder Raipuria Allison Rauh David Reif **Emily Rivas** Sarah Rives

Kathleen Robinson Olivia Roche Nicole Rodriguez Brenna Romano Erin Ross Iulia Russell Steven Rutkowski Jezelle Ryan Yevangelina Rybak Norman Samuels-Washington Anne Schultz Caitlyn Schumaker Mariah Serda Kendall Sharkey Rebecca Sheinfeld Ana Cecilia Siller Caroline Silver Michelle Simonet Kendra Skiff Leah Small Kaitlyn Smith Heather Soucy Sara Stupi Rachel Talentowski Jovalee Thompson Sandra Toledo Marielle Tomlin Katelyn Tracy Lisa Tran Sarah Trejo Kristen Trimble Natalie Van Sant Mary Vess Daniel Vice Catherine Warren Kate Weck Xinzhu Wen Jay Werne Timothy Whelden Helaine Wilkowsky Kelly Williams **Eppie Williamson** Kadidra Wimberly Sharita Womack Rhonda Wright Sarah York Mia Zagaja

Honor Society for the School of Education Chi Sigma Iota

Chi Sigma Iota (CSI) is the international honor society of professional counseling. The honor society was established in 1985 through the efforts of leaders in the profession of counseling whose desire was to provide recognition for outstanding achievement, as well as outstanding service within the profession.

The mission of Chi Sigma Iota is to promote scholarship, research, professionalism, leadership, and excellence in counseling, and to recognize high attainment in the pursuit of academic and clinical excellence in the profession of counseling.

The following members of the graduating class are members of Chi Sigma Iota: Tiffany Maria Araujo Lacey LaRae Bengtson Amie Welfeld Bereson Tiffany L. Cook Courtney E. Cox Valerie Ann Dorsey Amber Ellis Lauren A. Farago Kaylin Merrissa Ford Brianna Elizabeth Fowler Ariana H. Frangou Christina Freundel Iman Maryam Graham Schntae Imani Graham Sarah Elrayah Gubara Mary M. Guirguis Hanna Idelmi Y. Guity Sheri S. Hawes Jennifer Hua Dustin J. Jindra Danielle S. Jordan Sherri Monique Joynes Pamela Christine Kakalec Nicole Marie Kav Yasmin Kermanchi Young Kwon Kim

Imani Jazz Ladson Racquel Andrea Lambert Warrick Sarah Lauture Vanessa Kiesha Lewis Kimberly Anne Lewnes Stacy L. Markowitz Mach Meas Christopher J. Metz Erin E. Meyer Gabrielle M. Milano Megan L. Mornini Chelsea Lynn Naylor Megan Christine O'Shea Jenevra L. Owen Dionna L. Polite Jasmine Michelle Quander Samuel N. Ramatowski Erica Elizabeth Ramos Emily R. Rosen Maryam S. Siddiqui Robert Israel Simmons Jennifer D. Smith Ashley L. Swift Nina Vaughn Rebecca S. Washington Mary Catherine Weaver Aliya Rachel Wilk Ellen S. Winter Zhaopu Xu

Honor Society for the Peabody Conservatory Pi Kappa Lambda, Epsilon Omicron Chapter

The Pi Kappa Lambda Society was established in 1918 by the Alumni Association of the School of Music at Northwestern University in order to accord particular recognition to students of outstanding musical achievement and academic scholarship. The first member was Peter Christian Lutkin. dean of the School of Music at Northwestern University. His initials in their Greek equivalents were selected for the name of the Society. Dean Lutkin was issued key

number one. The course of the organization has been one of continuing expansion.

Election to membership in Pi Kappa Lambda has been indicative of superior achievement in music, together with the personal qualifications pertaining to an outstanding exponent of the art. The society is continually dedicated to the furtherance of music in education and education in music in colleges, universities, and other institutions and is convinced that recognizing and honoring persons who have enhanced their talents by serious, diligent, and intelligent study will stimulate others to do the same.

The following members of the graduating class are: Nicholas Allen Bentz, Violin/ Composition Sean Campbell, Saxophone Natalie Draper, Composition Christopher Edwards, Voice Wei Gu, Composition Benjamin Kapilow, Composition Matthew Nicholas Ordille, Tuba Melody Quah, Piano Michael Rickelton, Composition Daniel Sabzghabaei, Composition Eric Zuber, Piano

General University Honors

General University Honors were determined in April 2017, for students who had achieved a cumulative Johns Hopkins University Grade Point Average of 3.5 or higher. Students earning this honor at the end of spring 2017 semester will have that notation placed on their final transcripts.

The Zanvyl Krieger School of Arts and Sciences

Baccalaureate Candidates Graduating with General Honors

Rawnag Abdelaziz Nadine Amjad Abdullat Gregory Meyer Adoff Nehal Aggarwal Devika Agrawal Omair Mumtaz Akmal Akshay V. Alaghatta Lauren Sarah Altus Benito J. Alvarez Garrett Sean Anderson Rebecca J. Anderson Elena A. Andreou Peter Adam Angeli Abigail Christina Annear Madison Marie Archard Melaku Addisu Arega Helena Marie Arose Amanda Marie Auble Matthew Owen Auran Amanda Estelle Austi Tamuz Lea Avivi Victoria Vijaya Aysola Hee Joon Bae Soye Bae Maxwell Henry Balka Nadeem Bandealy Michaela Brittany Barthelmass Alexander Thomas Bartzokis Jessica Irene Bauer Rachel Hannah Mandel Becker Christopher William Beckmann Matthew John Bee

William Cahill Bellamy Melissa Allison Benerofe Olivia Paige Berci Robert Paul Besch Gauri Ganga Bhatnagar Nathan K. Bick Jessica Lauren Billeter Julia G. Bindman Rebecca Mae Black Brandon Alex Blank Danielle Sarah Blustein Simon Ephraim Bohn Kylie Rebecca Bongaardt Thomas Peter Boucher Sarah Helen Braver Harry M. Burke Kirsten Julia Burke **Charles Angus Bushnell** Charlotte Suha Butash Michael David Buxbaum Jack Alexander Campbell Alexandra Donchak Capellini Mia Danielle Capobianco Ryan James Carroll Gabriel B. Casella Christian A. Cayon Sara Jordan Chadwick David Matthew Chan Tiffany Chan Katie Chang Alejandro O. Chara Harrison Louis Charwat Julia Marie Chavarry Athena Chen Chelsea Allison Chen Kallie Jing Chen Kevin Tao Chen Tiffany Chen Yi Chen Lindsay Anne Cheu Sooean Chin Lucinda Tzu-Ching Chiu Samuel Cho MinJoo Choi Mary Chong Natalie Simone Christie Aaron Philip Chum Helena Haerim Chung Lani K. Chung Sunho Jerome Chung Won-Ju Chung

Lorenzo Cico Anna Christina Clements Allison Haines Comotto Elizabeth Anne Couch Katherine Maryann Couch Pauline Isabella Cronin Giannina Marie Crosby Mollie Anne Cueva-Dabkoski David Cui John Casper Curtin Jacob Caine Dachman Vikas Daggubati Felipe Badke d'Andrea Jenina Ezra Habla David Austin Winslow Davis Sethly Martin Davis John Michael DeBella Louna Dekker-Vargas Lucy Inmaculada Delgado Cristina Rose Delprete Zoe O. Demko Rachel Louise Demma Daniel Anthony DeSimone Tejas Dharmaraj Maria Francesca Di Carlo Samiya Fatimah Diawara Alexandra Jade Diehl Noah H. Dion Camilla S. Dohlman Jeremy Alexander Dubin Aviana Nicole Duca Carolyn Marie Duman Tiffany Alyssa Eatz Leandre Daniel Eberhard Amanda Edwards Isabelle Amber Engelberg Katrina Noel Estep Dylan R. Etzel Isabel Louise Evans Zhou Fang Hannah Amy Farkas Elisabeth Fassas Annette Lynn Favetta Flora Fei Ryan Matthew Feit Tess Eileen Fields Tarah Ann Fitzgerald Alan Flores Patrick Joseph Flynn Katya Monet Forbes

Jared Meyer Forman Jeremy Michel Joseph Fraenkel Danielle Taylor Franco Dylan Richard Frankenfield Jennifer Ann Frederick Rebecca Rose Friedman Nicholas Anthony Frisco Megan Paige Fuerst Lalita Surya Ganti Christian Garcia Hernandez Madison Joan Gaudreau Keri Nicole Gawlik Preston Ge David Edward Gerry Maggie Caroline Gill Ezekiel Henry Goodman Madeline Faith Goodman Madeline Elizabeth Goodwin Alexandra Lowry Gordon Abigail Joan Grant Rosellen Louise Cuneo Grant Nathaniel Abraham Green Melissa Kim Greenberger Andrew John Greenhalgh Matthew Lyons Griffin Gideon Ethan Gross Cihang Gu Ivan Guan Michael Thomas Guo Monica Monica Guo Guo Ian Michael Gustafson David Allen Halsell Magnus Kjepso Halvorsen George J. Han Hee Won Han Seunghyun Han Mira Hussain Haqqani Girija Hariprasad Phillip Taylor Harris Avi Hass Liam Maury Haviv Elizabeth Mei Rees Hawkes Maria Paula Hazbon Carli Marisa Heiman Amanda Marie Hernandez Sarah Elizabeth Hill Christopher L. Hinds Alexandra Katharine Hirsch Molly Rose Hirshik Elisabetta Menalli Hobbins Rachel L. Hollander

Audrey Stratton Holt Brendan Jae Uk Hong Joshua Hong Beverly Hu Colin Timothy Huang Ruthe Baihui Huang Guilherme P. Hubner Alexia Seileen Irene Huggins Joshua William Hughes Andrew L. Hwang Andrew Valadez Ingersoll **Emily Scott Inglis** Amanda Kaylyn Jan Jane Baruch Jeffery Danny Jeon Pankhuri Jha Daniel Gabriel Jimenez Winston Wen Tao Jin Margaret Diane Johnsen Adrienne Marie Johnson Andrew Robert Johnson Sara Maria Jones Dan Ju Felicia A. Juarez Jessica Brooke Kahan Benjamin Thomas Kale Yasmine Zahra Kaminsky Eric Jun-Yung Kang Koeun Kang Sara Katherine Kang Maura Nadine Kanter Anjani Darshan Kapadia Emily Rose Karcher Justin Drew Karp Rachel Lotz Kassler Christopher Dean Katchis Joshua Bradley Katz Richard Luke Kelson Remi Aria Kessler Alyssa Safiya Khan Andy Ji Yong Kim Billy InSup Kim Daniel Myung Kim Dong hyun Kim Isabelle Aerhyn Kim Jiyoung Kim JoonSu Kim Minjung Minny Kim Nancy Kim SangMin Kim Se Hee "Sherry" Kim

Sunny Kim Veronica Kim Ye Eun Kim Atsumi Kimura Reona Kimura Elizabeth Anne King Zachary Allen King Christina Georgia Kiriakos Timothy Mathias William Kistner Trevor John Koelsch Kit Shaun Tommy Koh Spencer D. Kolek Tarini Konchady John Michael Korleski Samuel Kanter Kornblau Adrienne Ilana Kramer William G. Krause Nadine Kronis Neha A. Kulkarni Nilay Kumar Vinitha Emese Kumar Theodore Van Kupfer Kevin Matthew Kwok Kit Sen Lam Vita Rose Lampietti Ruth Marie Nairne Landry Alexander Rajee Lau Isis Lau Pui Sun Jody Marilyn Law Eleanor Margaret Layfield William John Baird Laylin Akram Kenedi Laytimi Margaret Joan Lederer Ashley Jeeyeun Lee Christine Y. Lee Diana Yunji Lee Dongmin Lee Irene Jeong-Ah Lee Joy Hyunsun Lee Justin Gabriel Lee Kyu Hee Lee Maxwell Y. Lee McHenry Houghton Lee So Youn Lee Sunna Lee Tyler Sheppard Lee Wai Ching Crystal Lee Yve Nicole Lepkowski Robert Paul Lesko Olivia Janice Leung

Diana Gloria Li Shirley Li Samuel Aron Liebman Gyu Min Lim Brian Jonathan Lin Hannah S. Lin Philip Hao Yu Lin Yu-Sheng Lin Olivia Nicole Lindenberg Samantha Anne Marie Lindgren Elizabeth Yang Liu Hallie Liu Sizhe Liu Jonathan Alexander Loewenberg Julia Rose Logan Emily Elizabeth Lubin April D. Lugo Melanie Davis Luikart Diego Dereck Luy Gina Ma Miloni Madan Alec William Maki Ilana R. Malkin Dikshant Dikshant Malla Malla Sophie Mancini Nicholas R. Mangano Sarah Christine Manning Elissa Eugenia Mardiney Chaconne Ariane Martin-Berkowicz Ionathan Carlos Martinez Lynell Adrianna Martinez Samantha Victoira Martinez Warner Preston Mason Ir. Adam M. McCann Allison Nicole McCoskey Caroline Hart McCown Jeremy P. McGale Alexander Stefan McLaughlin John Christopher McLaughlin Laura Kruger Mears Sibyl Dominica Medabalimi Thomas Cavanaugh Mee Nicita Mehta Nikita S. Mehta Martha Melsom Hannah Paige Melton Matthew Vincent Merola Barbara Ann Merryman Nicole A. Michelson

Madeleine Laura Mitchell Gabriela Raquel Mizrahi-Arnaud Nina Giselle Modanlo Mia L. Monkovic Yaniv M. Moore Elizabeth Agnes Moriarty Jane Frances Morris Elana Alexandra Movshovich William Leonard Murphy George K. Mwinnyaa Danielle Anne Naassana Isabel Lancaster Nair Rikuo Nakamoto Saachi Nangia Serban Negoita Kathleen Deirdre Nicholas Matthew Anthony Nicola Elizabeth Andersen Norford Andrzej Novak Cole Samuel Novatt Cindy P. Nunez Michelle C. Oguine Rocio Oliva Elvse Lenore Oliver Kareem Ahmed Osman **Rinas** Osman Genevieve Margaret Rose Ott Debbie Ou Ashley Park Benjamin Hyunrock Park Chaniun Steve Park Daniel Park SungJae Park Corey Robert Payne Daniel Andres Perez Julia Madeline Phoon Bret Lee Pinsker Victoria Marie Piscopo Caroline Paige Polito Caroline Grace Preziosi Philip G. Prokos Tran H. Quach Michael Anthony Quintero Harrine Ramesh Alexa M. Rangecroft Stephanie Samm Raps Alvaro Andres Reategui Lina Elizabeth Rebeiz Myrna Eliann Reinhardt India Hope Reiss

Jefferson A. Riera Jennifer Rios Hunter Lee Risher Erika Rivera Olivia Eleanor Rodriguez Phoebe Kathryn Hart Roque Rienna Grace Russo Alex Sadler Sidharth Sah Ashleigh J. Samlut Allison Claire Schingel John Aaron Schwarcz Dillon Francis Raphael Simon Sciamanna Grace Catherine Scott Perri Beth Searles Connor Simmons Sebastian Adriana Madeleine Sensenbrenner Ji Mary Seo Arjav Shah Hammaad Raffit Shah Nisha Shah Jacqueline Grace Piper Sheren Galen Jia-lei Shi Ayesha Ahmad Shibli Olivia Meyer Shumaker Jessica Nicole Silva Prakhar Singal Lawanya Singh Zachary William Smith Anna E. Soifer Susana Soto Marcus Darryl Spearman Kristin Mary Spiegel Arun Sridharan Robert Kent Stafford III Asa Gediah Stahl Melissa Marie Staley Lynn Katherine Stanwyck Monique Sohria Sterling John Costa Stoller Hayley Janice Strasburger Ivana Su Saakshi Vishal Suri John Brendan Sweeney Michael Christian Swett Jonathan Tai Matthew J. Tam Apricot Sun Tang Derek Sher-Zheng Teng

Saraniya Tharmarajah Sean Laxamana Thompson John Patrick Toner David Stanley Tracz Sang Ngoc Tran Tiffaney Tran Annmarie Brynda Christabell Tsai Joby J. Tsai Sophie Pearl Tulkoff Mary C. Turner Gurshawn Singh Tuteja Matthew Francis Ullman Andrea Kimberly Ong Uy Margaret S. Van de Loo Rebecca Susan Van Voorhees Irene Victoria Vargas Tina Lily Vaziri Taylor Nicole Veralli Madeleine Maureen Waldram Kristen Marie Wallach Angela Q. Wang Annette An-Chi Wang Judy Wang Maria Lynn Wang Caleb Nathaniel Warren Maggie May Weese Amy An Wei Alexander Patricelli Weisman Connor Michael Welsh Haley Morgan Wendt Elisabeth Rose Wenneker Ioshua Aaron Wetzler Daniel White Madison Philip Wilcox Matthew Kirkpatrick Williams Nicola R. Willoughby Brandon J. Wong Chiara Wright Ting Yu Wu Wu Xiao Ashley J. Xie Michelle Xu Carolyn Xue Shohei Sean Yamakawa Alex Lingyun Yang Mengyun Yang Ioan Yea Danait Weldeselase Yemane Yu-Hsin Yen Heather Catherine Youngman Oscar Andres Zapata Wanda Wu Zhan Amber Cheng Zhang Borui Zhang Hanzhe Zhang Yu Zhao Scott S. Zheng Yuqing Zhu Danielle Grace Ziegelstein Zachary Alexander Zilber Chelsea Zou Clay X. Zou

The G.W.C. Whiting School of Engineering Baccalaureate Candidates Graduating with General Honors

Lingga Adidharma Ju Young Ahn Alexander Alm-Pandeya Sadie Z. Alperson Clayton Edward Andrews IV Clara Lindley Aranguren Trevor Scott Aron Michelle Bahri Michael St. John Bain Aditya Banerjee David Sanford Barbehenn Lisa F. Bauer Samuel Owen Beckley Alexandra Jeanne Berges Jake Matthew Bieber Ron Shmuel Boger Emily Catherine Borst Zachary Michael Bredl Eric W. Bridgeford Jacqueline Alexis Burke Eric Zhang Calder Amanda Rose Canezin Ashley Rose Canezin Caroline Marie Cevallos Megumi Kristi Chen Richard J. Chen Sebastian Phillip Chen Steven Xiang Chen Xinyi Chen Christina Y. Cho Hyun Woo Cho Kyoung-A Cho

Joon Hyuck Choi David Wusuk Chung Caitlin Elena Clancy Aimee Dai Ali Haydar Delen Daniel Sydney Dembner Rajiv Sai Deshpande Miguel Sousa Dias Cora Anne Dimmig Steven Michael Doria Edmund Cameron Duhaime Nicholas Jacob Duncan Baxter Rhodes Eldridge Siham Elmali Jourdan Karen Ewoldt Joseph Vincent Federico Hannah Sophia Folz Lauren Elizabeth Francati Candice Noel Gard Shohini Ghosh Rebecca Michelle Glowinski David Gong Michael James Good Anna Chiara Goodridge Julian Joseph Gould Andrew Ran Gu Kush Gupta Joe Bahij Hakim Jaehyun Han Ziwei He Andrea Ashley Henry Kate Elizabeth Hobble Kathryn Elsa Hochberg Jon David Hochstein Kendrick Lin Hougen Yixin Hu Kevin Huang Matthew Y. Ige Zhengyun Ji Nikhil Krishna Jois Meghan Schaal Judge Kristen Nicole Kaiser Anthony Michael Karahalios Eric Michael Kaufman Daniel Patrick Keith Noemie Muriel Keller Susanna Elaine Kellogg David Yeong-jin Kim Do Hun Kim Youngeun Kim Channing Noelle Kimble-Brown

STUDENT HONORS -

Rachel M. Kinney Jin Mo Koo Erez Krimsky Kathleen Kusworo Ryan Kneeland Lake Alexandre Jean-Rene Laloum Christopher Tuan Nam Le Thanh Nguyen Le Shin-Jae Lee Taein D. Lee Sijia Li Yi Qiao Li Thomas Chaoyue Lin Rong Liu Bo Liu Andrew Luu Xuchen Ma Adarsha Prakash Malla **Emily Christine Mancuso** Gabriel Alesandro Mantegna Kristen Marie Manto Andrew Wang Mao Laura Frances Marlowe Emily A. Marshall Alex John Mathews Sasmira Matta Miles Samuel McKey Milonee D. Mehta Sean Alika Anthony Melucci Arnaldo Mercado-Perez Ari Isaac Messenger Blaine Steven Miller Michael Neil Miller Rebecca Elyse Miller Madeline An Mei Mueller Shirley Ng Diana L. Ning Paola Donis Noriega Michael Francis O'Connor Jinwoo Oh Seung Mi Oh Nikhil Panu Siavash Sam Parkhideh Anjani Prakash Patel Thomas Wade Pavarini Meghan Sarah Perez Alexander Anthony Peterson Kevin Patrick Pfau Alexander Victor Pisera Matthew Walter Cedric Pittman Bryan Edward Pon

Michael K. Porter Sanjana Prasad Vishnu Prasath Akash Premkumar Noah Solomon Presler Joshua George Punnoose Yixiao Qu Arun Manakal Raghavan Samy Ramadane Vignesh Ramchandran Qiuyin Ren Gianmarco Renzi Gabriela Marie Rodal Caitlin Marie Romanczyk Corbin L. Rosset Brian Kang Ryu Walter Lee Saine Alianna Renee Sanzi Erica Leigh Schwarz Lukas Karl Seebacher Daniel Edward Shade Iulie Kristin Shade Micah Charles Shaffer Jeffrey Thomas Yuen Sham Brendan Joseph Shannon Thomas D. Sherman Andrew Shiau Yu Jung Shin William Shyr Miguel Canteiro Reis Sobral Iee Yeon Sohn Sydney Leigh Solomon Alyssa Susanna Sooklal James H. Stroud Devin Dawen Sun Jennifer Sun Juechun Tang Elli Yang Tian Evelyn Carolina Torres-Alfaro Michelle Ann Trempel Kevin Timothy Trigani Andrew Sean Tsai Jeremy L. Tsao Thomas H. Tsoung Pranay Tyle Sterling G. Vitcov Emerson Joseph Summe Walsh Jason Haimu Wang Songnan Wang Nastasia Elizabeth Winey Gillian Lauren Wolff

Grady Xiao Haoran "Howard" Xu Yuan Jing Vincent Yan Jeonghee Yang Jeana L. Yee Junghoon Yeo Phoebe Ming-En Yeo Thomas Yuan Yi Sean Edward Young Yeyi Yun Dylan Christopher Zerjav YiFan Zhang Yu Zhang Yuanwei Zhao Andrew Zhu Fanwen Zhu Jessica Bailey Zionts

The Carey Business School

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Bachelor of Business Administration Candidates Graduating with General Honors

Yi Rui Tiffany Gwee Muwen Liu

The Zanvyl Krieger School of Arts and Sciences

Graduating with Departmental Honors

Nehal Aggarwal, Writing Seminars Akshay V. Alaghatta, Neuroscience Lauren Nicole Aldoroty, Physics Chase C. Alston, Public Health Studies Lauren Sarah Altus, Writing Seminars Elyse Anderson, History of Art Peter A. Angeli, Neuroscience Madison Marie Archard, Writing Seminars Helena Arose, Archaeology Amanda Marie Auble, *English;* Writing Seminars Victoria Vijaya Aysola, Cognitive Science Hee Joon Bae, *Chemistry* Matthew John Bee, Global Environmental Change and Sustainability William Cahill Bellamy, Public Health Studies Olivia Paige Berci, Public Health Studies Brandon Alex Blank, Neuroscience Sarah Braver, History of Art Emily Brown, Writing Seminars Victoria Felecia Adoley Buckman, Public Health Studies Lainey Grey Bukowiec, Behavioral Biology Harry M. Burke, Cognitive Science Kirsten J. Burke, History of Art Mia Danielle Capobianco, Writing Seminars Ryan James Carroll, *History* Gabriel Bonamichi Casella, Neuroscience Keenan Richard Caswell, Neuroscience; French Ann Dunham Cavers, History of Art Christian A. Cayon, Global Environmental Change and Sustainability Sara Jordan Chadwick, Chemistry; Spanish

Isis Lau Pui Sun, Writing

David M. Chan, Physics Julia Marie Chavarry, Earth and Planetary Sciences; Behavioral Biology Athena Chen, Biophysics Kallie Jing Chen, Neuroscience Lindsay A. Cheu, Neuroscience Sooean Chin, Writing Seminars Lucinda T. Chiu, Neuroscience Aaron Philip Chum, History of Medicine and Technology Helena H. Chung, Writing Seminars Sunho Jerome Chung, Chemistry Dane Clark, Archaeology Allison Haines Comotto, Writing Seminars Giannina Marie Crosby, History Mollie Anne Cueva-Dabkoski, Sociology Yuan Cui, *History* John Casper Curtin, Behavioral Biology Felipe Badke d'Andrea, Chemistry Jenina Ezra Habla David, Public Health Studies Justin Michael Decker, Global Environmental Change and Sustainability Louna V. Dekker-Vargas, French Virgil Kevin DeMario, Cognitive Science Rachel Louise Demma, Political Science Daniel A. DeSimone, Writing Seminars Tejas Dharmaraj, Molecular and Cellular Biology Alexandra J. Diehl, International Studies Alana Jade DiSabatino, **Cognitive Science** Tiffany Alyssa Eatz, Writing Seminars Isabelle Amber Engelberg, Chemistry Ashley Uzoamaka Ezema, Public Health Studies Hannah Amy Farkas, Global Environmental Change and

Sustainability

Neil Maclean Fendley, Physics Alexander Benjamin Fine, Writing Seminars Katya Monet Forbes, Writing Seminars Elizabeth Ann Ford, French Jennifer A. Frederick, Writing Seminars Rebecca Rose Friedman, History Nicholas Anthony Frisco, Molecular and Cellular Biology Megan P. Fuerst, Writing Seminars; English Amy Michelle Garcia, Writing Seminars Madison Joan Gaudreau, History Preston Ge, Neuroscience Maggie Caroline Gill, Writing Seminars Elizabeth Ashford Glass, History ofArt Maxwell Leonard Gontarek, Writing Seminars Ezekiel Henry Goodman, Writing Seminars; Anthropology Madeline Faith Goodman, History Andrew John Greenhalgh, History of Medicine and Technology Matthew Lyons Griffin, Physics Ioana Grosu, *Cognitive Science* Bengucan Gunen, Public Health Studies Ian Michael Gustafson, International Studies Magnus Kjepso Halvorsen, International Studies George J. Han, Chemistry Girija Hariprasad, Neuroscience Liam Maury Haviv, Political Science Maria Paula Hazbon, Neuroscience Carli Marisa Heiman, Cognitive Science Elisabetta Menalli Hobbins, Public Health Studies Audrey Stratton Holt, Writing

Seminars; English

Flora Fei, International Studies

Ruthe B. Huang, Public Health Studies Amanda Kaylyn Jan, Neuroscience; English Rikki Lynn Jarvis, History of Art Jane Baruch Jeffery, Public Health Studies Pankhuri Jha, Neuroscience Margaret Diane Johnsen, English Alexandra Wilson Jordan, International Studies Dan Ju, Behavioral Biology Felicia A. Juarez, Neuroscience Yasmine Zahra Kaminsky, English Maura Nadine Kanter, History Joshua Bradley Katz, Molecular and Cellular Biology Richard Luke Kelson, *Physics;* Earth and Planetary Sciences Remi A. Kessler, French Alyssa Safiya Khan, Neuroscience; Molecular and Cellular Biology Daniel Myung Kim, Molecular and Cellular Biology Dong Hyun Kim, Neuroscience Evan Hyun-Suk Kim, Humanistic Studies; History of Art Minjung Kim, Behavioral Biology Nancy Kim, Molecular and Cellular Biology SangMin Kim, Public Health Studies Atsumi Kimura, Public Health Studies Reona Kimura, Public Health Studies Christina G. Kiriakos, History; History of Art Kit Shaun Tommy Koh, Political Science Tarini Konchady, Physics Adrienne Ilana Kramer, Archaeology William G. Krause, History Vita Rose Lampietti, Cognitive Science Ruth Marie Nairne Landry, Writing Seminars

Seminars Jody Marilyn Law, Behavioral Biology Christine Y. Lee, English Justin G. Lee, Neuroscience Maxwell Y. Lee, Physics Wai Ching Crystal Lee, International Studies; Sociology Yun Ji Lee, Neuroscience Nina Seibel Lerner, Writing Seminars Robert Paul Lesko, Chemistry Olivia Janice Leung, Molecular and Cellular Biology Diana Gloria Li, Writing Seminars Belle Liang, Neuroscience Hannah S. Lin, Writing Seminars Philip Hao Yu Lin, Cognitive Science Samantha Anne Marie Lindgren, Near Eastern Studies Hallie Liu, International Studies; History Sizhe Liu, Molecular and Cellular Biology Julia Rose Logan, Public Health Studies Charltien Long, Neuroscience; Humanistic Studies Emily Elizabeth Lubin, Neuroscience Diego Dereck Luy, Neuroscience Ilana R. Malkin, Writing Seminars Sophie Yun Mancini, Writing Seminars Sarah Christine Manning, Global Environmental Change and Sustainability Megan Collins Margraff, Writing Seminars Chaconne Ariane Martin-Berkowicz, Writing Seminars Jonathan C. Martinez, Public Health Studies Adam M. McCann, Writing Seminars Jeremy P. McGale, Chemistry

STUDENT HONORS -

Thomas Cavanaugh Mee, Public Health Studies Hannah Paige Melton, Global Environmental Change and Sustainability Nicole A. Michelson. Neuroscience Madeleine Laura Mitchell, English Nina Giselle Modanlo, Public Health Studies Yaniv M. Moore, Writing Seminars Anastasia Marie Moszkowski, Writing Seminars William Leonard Murphy, International Studies George Mwinnyaa, Public Health Studies Danielle Anne Naassana, Writing Seminars Saachi Nangia, Public Health Studies Serban Negoita, Neuroscience Elizabeth Andersen Norford, English Andrzej Novak, Physics Cindy P. Nunez, Neuroscience Treva Hannah Obbard, Writing Seminars Rocio Oliva, History of Art Elyse Lenore Oliver, International Studies; Sociology Kareem Ahmed Osman, Neuroscience Debbie Ou, Writing Seminars Ashley Park, Public Health Studies Benjamin Hyunrock Park, Chemistry Sungjae Park, International Studies; Sociology Corey Payne, International Studies; Sociology Julia Madeline Phoon, Writing Seminars Bret Lee Pinsker, Behavioral Biology Caroline Paige Polito, Molecular and Cellular Biology Caroline Grace Preziosi, Writing Seminars

Michael A. Quintero, Chemistry Alexa M. Rangecroft, French Stephanie Samm Raps, Neuroscience Mary V. Reardon, English Alvaro Andres Reategui, Romance Languages Jon-Paul Edward Reed, Writing Seminars India Hope Reiss, *Neuroscience*; History of Art Jefferson A. Riera, Global Environmental Change and Sustainability Jennifer Rios, *Neuroscience* Olivia Eleanor Rodriguez, International Studies; History ofArt Shannon K. Romig, Writing Seminars Phoebe Kathryn Hart Roque, English Andrew James Rosenblum, Public Health Studies Michael Louis Rosin, Writing Seminars Rienna Grace Russo, Public Health Studies; Cognitive Science Ashleigh J. Samlut, Political Science; History Allison Claire Schingel, Writing Seminars; History Ji Mary Seo, History of Art Raquel Serruya, French Nisha Shah, Behavioral Biology Jacqueline Grace Piper Sheren, International Studies: Political Science Ayesha Ahmad Shibli, Writing Seminars Olivia Meyer Shumaker, Writing Seminars Jesse B. Shuman, Writing Seminars Prakhar Singal, Chemistry Lawanya Singh, Public Health Studies Patrick Thomas Skeba, Cognitive Science Anna Soifer, Archaeology Susana Soto, Molecular and Cellular Biology

Arun Sridharan, Chemistry Robert Kent Stafford, Global Environmental Change and Sustainability Asa Gediah Stahl, Physics Melissa Marie Staley, Neuroscience; History of Art Lynn Katherine Stanwyck, **Physics** Hayley Janice Strasburger, Neuroscience Saakshi Vishal Suri. International Studies; Sociology John Brendan Sweeney, Writing Seminars Sean Laxamana Thompson, Neuroscience Tiffaney Tran, Molecular and Cellular Biology Gulnar S. Tuli, Writing Seminars Mary C. Turner, Writing Seminars Gurshawn S. Tuteja, Public Health Studies Bilyana M. Tzolova, Physics Tina Lily Vaziri, Neuroscience Nana Afua Frempongma Wadee, Cognitive Science Kineta Perschino Wahl, Writing Seminars Annette An-Chi Wang, Molecular and Cellular Biology Haley M. Wendt, Neuroscience Joshua Aaron Wetzler, Biology Matthew Kirkpatrick Williams, Biology Nicolas R. Willoughby, Writing Seminars Ting Yu Wu, Neuroscience Will Xiao, Biophysics Yu-Hsin Yen, Neuroscience Ashley Hin-tung Yuen, English Amber Cheng Zhang, Molecular and Cellular Biology Scott S. Zheng, Public Health Studies Yuqing Zhu, *Neuroscience*; Cognitive Science Zachary Alexander Zilber, Chemistry

The G.W.C. Whiting School of Engineering Baccalaureate Candidates Graduating with Departmental Honors

Lingga Adidharma, Biomedical Engineering Ju Young Ahn, Biomedical Engineering Sadie Z. Alperson, Chemical and Biomolecular Engineering Clavton Edward Andrews. Biomedical Engineering Clara Lindley Aranguren, Mechanical Engineering Trevor Scott Aron, Computer Science Michael S. Bain, Civil Engineering Aditya Banerjee, Biomedical Engineering David Barbehenn, Computer Engineering Lisa F. Bauer, *Cognitive Science* Samuel O. Beckley, Computer Science Alexandra Jeanne Berges, Biomedical Engineering Jake Matthew Bieber, Chemical and Biomolecular Engineering Ron S. Boger, Biomedical Engineering Emily Catherine Borst, Biomedical Engineering Zachary Michael Bredl, Mechanical Engineering Eric W. Bridgeford, Biomedical Engineering; Computer Science Jacqueline Alexis Burke, Biomedical Engineering Eric Zhang Calder, Computer Science Amanda Rose Canezin. Mechanical Engineering Ashley Rose Canezin, Mechanical Engineering Caroline Marie Cevallos, *Computer Science* Megumi Kristi Chen, Applied Mathematics and Statistics Richard J. Chen, Biomedical Engineering

Chelsea Zou, English

Emily A. Marshall, Computer

Steven Xiang Chen, Biomedical Engineering Xinyi Chen, Chemical and Biomolecular Engineering Sebastian Phillip Chen, Electrical Engineering; Physics Hyun Woo Cho, Chemical and *Biomolecular Engineering* Kyoung-A Cho, Biomedical Engineering; Electrical Engineering Christina Y. Cho, Environmental Engineering Joon Hyuck Choi, Computer Science David Wusuk Chung, Chemical and Biomolecular Engineering Caitlin Elena Clancy, Mechanical Engineering Brendan P. Dang, Chemical and Biomolecular Engineering; Neuroscience Daniel Sydney Dembner, Mechanical Engineering Rajiv Sai Deshpande, Biomedical Engineering Miguel Sousa Dias, Biomedical Engineering Cora A. Dimmig, Mechanical Engineering; Applied Mathematics and Statistics Steven Michael Doria, Chemical and Biomolecular Engineering Edmund Cameron Duhaime, **Computer Science** Nicholas Jacob Duncan, Electrical Engineering Baxter Rhodes Eldridge, Mechanical Engineering Siham Elmali, Electrical Engineering Jourdan Karen Ewoldt, Biomedical Engineering Joseph Vincent Federico, Chemical and Biomolecular Engineering Hannah Sophia Folz, Applied Mathematics and Statistics; English Candice Noel Gard, Biomedical Engineering Shohini Ghosh, Biomedical Engineering; Computer Science

Rebecca Michelle Glowinski, **Biomedical Engineering** David Gong, Computer Science Michael James Good, Biomedical Engineering Anna Christine Goodridge, Mechanical Engineering Julian Joseph Gould, Applied Mathematics and Statistics; **Mathematics** Andrew Ran Gu, Chemical and Biomolecular Engineering Kush Gupta, Biomedical Engineering Joe Bahij Hakim, Biomedical Engineering Ziwei He, Environmental Engineering Kate Elizabeth Hobble, Chemical and Biomolecular Engineering Kathryn Elsa Hochberg, Biomedical Engineering; **Computer Science** Jon David Hochstein, Biomedical Engineering Kendrick Lin Hougen, Biomedical Engineering Yixin Hu, Biomedical Engineering Kevin Huang, Biomedical Engineering; Applied Mathematics and Statistics Matthew Y. Ige, Computer Science Zhengyun Ji, Electrical Engineering; Computer Engineering Nikhil Krishna Jois, Biomedical Engineering; Applied Mathematics and Statistics Meghan Schaal Judge, **Computer** Science Kristen Nicole Kaiser, Chemical and Biomolecular Engineering Anthony Michael Karahalios, Applied Mathematics and Statistics Eric Michael Kaufman, Electrical Engineering Daniel Patrick Keith, Chemical and Biomolecular Engineering Noemie Muriel Keller, Biomedical Engineering

Susanna Elaine Kellogg, Mechanical Engineering Youngeun Kim, Chemical and Biomolecular Engineering David Yeong-jin Kim, Biomedical Engineering Do Hun Kim, Biomedical Engineering Channing Noelle Kimble-Brown, Cognitive Science Rachel M. Kinney, Computer Science Jin Mo Koo, Chemical and *Biomolecular Engineering* Erez Krimsky, Mechanical Engineering Kathleen Kusworo, Computer Science; Applied Mathematics and Statistics Ryan Kneeland Lake, Applied Mathematics and Statistics Alexandre Jean-Rene Laloum, Mechanical Engineering Thanh Nguyen Le, Applied Mathematics and Statistics; **Physics** Christopher Tuan Nam Le, Chemical and Biomolecular Engineering Shin-Jae Lee, Materials Science and Engineering Shuoyang Li, Chemical and Biomolecular Engineering Sijia Li, Materials Science and Engineering; Applied Mathematics and Statistics Rong Liu, Applied Mathematics and Statistics Bo Liu, Computer Engineering Andrew Luu, Biomedical Engineering Xuchen Ma, Computer Science Adarsha Malla, Biomedical Engineering Emily Christine Mancuso, Mechanical Engineering Gabriel Alesandro Mantegna, Environmental Engineering Kristen Marie Manto, Chemical and Biomolecular Engineering Andrew W. Mao, Biomedical Engineering Laura Frances Marlowe, Environmental Engineering

Science Alex John Mathews, Biomedical Engineering Miles Samuel McKey, Mechanical Engineering Milonee D. Mehta, Chemical and Biomolecular Engineering Arnaldo Mercado-Perez, Chemical and Biomolecular Engineering Ari Isaac Messenger, Mechanical Engineering Rebecca E. Miller, Biomedical Engineering Michael N. Miller, Electrical Engineering Blaine Steven Miller, Mechanical Engineering Madeline An Mei Mueller, Chemical and Biomolecular Engineering Shirley Ng, Materials Science and Engineering Diana L. Ning, Computer Science Paola Donis Noriega, Biomedical Engineering Michael O'Connor, Applied Mathematics and Statistics Seung Mi Oh, Biomedical Engineering Jinwoo Oh, Biomedical Engineering; Applied Mathematics and Statistics Siavash Sam Parkhideh, Biomedical Engineering Thomas Wade Pavarini, **Computer** Science Meghan Sarah Perez, Environmental Engineering Alexander Anthony Peterson, Applied Mathematics and **Statistics** Kevin Patrick Pfau. Chemical and Biomolecular Engineering Michael K. Porter, Chemical and Biomolecular Engineering Sanjana Prasad, Chemical and *Biomolecular Engineering* Vishnu Prasath, Biomedical Engineering Akash Premkumar, Biomedical Engineering

STUDENT HONORS -

Noah Solomon Presler, **Computer Science** Joshua George Punnoose, Biomedical Engineering Yixiao Qu, Electrical Engineering Arun Manakal Raghavan, Biomedical Engineering Samy Ramadane, Biomedical Engineering Vignesh Ramchandran, Biomedical Engineering Qiuyin Ren, Biomedical Engineering Matthew Shea Richard, **Computer Science** Gabriela Marie Rodal, Biomedical Engineering Caitlin Marie Romanczyk, Biomedical Engineering Corbin L. Rosset, Computer Science Brian Kang Ryu, Chemical and Biomolecular Engineering Walter Lee Saine, Mechanical Engineering Alianna Renee Sanzi, Biomedical Engineering, Computer Science Erica L. Schwarz, Biomedical Engineering; Computer Science Ryan Brett Selig, Mechanical Engineering Julie Kristin Shade, Biomedical Engineering Daniel Edward Shade, Chemical and Biomolecular Engineering Micah Charles Shaffer. Biomedical Engineering Jeffrey Sham, Computer Engineering Brendan Joseph Shannon, Materials Science and Engineering Thomas Daniel Sherman, Applied Mathematics and Statistics Andrew Shiau, Computer Science Yu Jung Shin, *Biomedical* Engineering William Shyr, Biomedical Engineering

Miguel C. Sobral, *Biomedical Engineering* Jee Yeon Sohn, *Chemical and*

Biomolecular Engineering Sydney Leigh Solomon, Chemical and Biomolecular Engineering

Alyssa Susanna Sooklal, Environmental Engineering; Spanish

Akshay Srivatsan, Computer Science; Applied Mathematics and Statistics

Scott Charles Sterrett, Biomedical Engineering James H. Stroud, Applied Mathematics and Statistics Erik Xiaochao Tan, Biomedical Engineering Juechun Tang, Chemical and Biomolecular Engineering Elli Y. Tian, Biomedical Engineering Evelyn Carolina Torres-Alfaro, Spanish Michelle Ann Trempel, Biomedical Engineering Kevin T. Trigani, Chemical and Biomolecular Engineering Andrew S. Tsai, Biomedical Engineering; Applied

Mathematics and Statistics Jeremy L. Tsao, Mechanical Engineering Thomas H. Tsoung, Chemical and Biomolecular Engineering Sterling G. Vitcov, Computer

Science Emerson Joseph Summe Walsh, Mechanical Engineering Jason Haimu Wang, Biomedical

Engineering Songnan Wang, Chemical and Biomolecular Engineering Nastasia Elizabeth Winey,

Mechanical Engineering Gillian Lauren Wolff, Computer Science Grady Xiao, Computer Science Haoran Xu, Electrical Engineering

Yuan Jing Vincent Yan, Computer Engineering Jeana L. Yee, Computer Science Junghoon Yeo, Chemical and Biomolecular Engineering Phoebe Ming-En Yeo, Spanish Thomas Y. Yi, Biomedical Engineering; Computer Science Sean Edward Young, Biomedical Engineering Yeyi Yun, Electrical Engineering; **Economics** Yu Zhang, Biomedical Engineering; Applied Mathematics and Statistics YiFan Zhang, Biomedical Engineering Yuanwei Zhao, Computer Engineering Andrew Zhu, Computer Science Jessica Bailey Zionts, Environmental Engineering Carissa Mary Zukowski, History ofArt

Graduate Candidates Graduating with Departmental Honors

Scott Bradley Aaron, Systems Engineering Nile Abdel-Salam, Computer Science Ahmed Abdurrezak, *Cybersecurity* Michael Aden, Systems Engineering Rufino Adorno-Avila, Technical Management Brittany Paige Albin, Environmental Engineering Biniyam Zenebe Alemayehu, Electrical and Computer Engineering Patrick Joseph Amato, Technical Management Sugandha Arora, Computer Science Matthew Ayre, Technical Management Stephanie Beard, Electrical and Computer Engineering Ruth Berben, Electrical and *Computer Engineering* Charles Henry Berlin IV, **Computer Science**

Brian David Biada, Systems Engineering Michael Joseph Bible, Systems Engineering John Scrivener Blackman, *Computer Science* Mikus Bormanis, Space Systems Engineering Santiago Luis Bortman, Electrical and Computer Engineering Natalie G. Bos. Electrical and *Computer Engineering* Jennifer Boyle, Systems Engineering Christian Bravo, Systems Engineering Steven Reginald Buckler, **Engineering Management** Mark Rockwell Burr, Computer Science Jarick Joseph Cammarato, Electrical and Computer Engineering Noel Lawrence Campbell, Electrical and Computer Engineering Bradley Cardwell, Systems Engineering Jorge Chacon, Systems Engineering Narayan Chakrapani, Technical Management Sio Man Chan, Systems Engineering Camille Megan Chang, Cybersecurity David James Chapp, Systems Engineering Ronak Chawla, Applied Biomedical Engineering Ronak Chawla, Computer Science Lindsay Heather Christie, Systems Engineering Dustin Dean Cocklereece, Mechanical Engineering Daniel P. Cook, Mechanical Engineering Jeremy Amiel Courtade, Systems Engineering Danette Marie Degner, Electrical and Computer Engineering

Franklin E. Dehart, Computer Science Mark Doyle, *Electrical and* Computer Engineering Joseph Quinton Dwyer, Systems Engineering Ann Jullette Einsmann, Cybersecurity Erick David Esping, Systems Engineering Taylor J. Evans, Computer Science Cody Gregory Feltch, Electrical and Computer Engineering Michael C. Fenn, Applied and **Computational Mathematics** Joseph Francis Ferment III, Electrical and Computer Engineering Sarah A. Fries, *Cybersecurity* Bryan M. Friia, Computer Science Shiyuan Fu, Computer Science Davis J. Gigogne, Computer Science Marie Louise Gill, Applied Biomedical Engineering Johnny Giv, Systems Engineering William Alexander Goodman, **Computer Science** Heidi L. Gray, Cybersecurity Steven Bradley Griffin, **Computer Science** Ian Andrew Grissom, Electrical and Computer Engineering Justin M. Groenewold, Systems Engineering Kenneth Robert Grossman, Systems Engineering Justin Samuel Heitman, Systems Engineering Cara Lynne Held, Systems Engineering Christopher Jon Hillis, Civil Engineering Justin Mark Holmes, Electrical and Computer Engineering Melissa Huntley, Systems Engineering Jill L. Iracki, Applied and **Computational Mathematics** Matthew Lawrence Janicki, Systems Engineering

Robert Davis Jannarone, Environmental Engineering Planning and Management Callie Johnston, Computer Science Mark Jordan, Computer Science Elliotte Kim, Computer Science Santosh Kimble, Systems Engineering George H. Kinchen IV, Electrical and Computer Engineering Jonathan M. King, Technical Management Maura McCoy Klink, Systems Engineering John Anton Kollar, Systems Engineering Parth J. Kothari, Applied Biomedical Engineering Marcus Brian Kwok, Applied and Computational Mathematics Andrew Walter Largey, Systems Engineering Jessica Claire Lauenstein, Civil Engineering Michelle Klassen Lee, Computer Science Matthew P. Little, Systems Engineering Bradley J. Longo, Electrical and *Computer Engineering* Nicholas Loomis, Computer Science Neel R. Mainthia, Systems Engineering Kyle Matthew Malone, **Computer Science** Jef Mangelschots, Systems Engineering Kathryn Mary Marcotte, Electrical and Computer Engineering Elizabeth Anne Martin, Electrical and Computer Engineering Kevin Martin, Information Systems Engineering Benjamin Scott Martin, Systems Engineering Aaron Joseph Maschinot, **Computer Science** Chris Mata, Electrical and Computer Engineering

Robert Allen Mauss, Systems Engineering Timothy A. May, Mechanical Engineering James Robert Mayberry, Applied Physics Kristy Hope McCullough, Environmental Engineering and Science Courtney C. McManus, Space Systems Engineering Eliezer E. Medina. Computer Science Darrell Jacquez Mesa, Electrical and Computer Engineering Sasha Knowles Meshel, Systems Engineering Jack Miller, Systems Engineering David H. Minch, Computer Science Matthew Lloyd Modic, Cybersecurity Steven Randall Lott, Mechanical Engineering Joshua Daniel Montana, Computer Science Shaddy S. Morgan, Systems Engineering Aiysha Mubarik, Electrical and Computer Engineering Christina Mullen, Electrical and Computer Engineering Eric Jason Muller, *Electrical* and Computer Engineering Eric Steven Mundahl, Information Systems Engineering Kellie Sumi Murakami, Systems Engineering Phyllis Jennifer Naiman, Computer Science Thai Quoc Nguyen, Systems Engineering Kevin M. Oberle, Environmental Engineering Michael Gregory Obringer, Systems Engineering Cory E. Ochs, Electrical and Computer Engineering Lloyd B. Osafo, Systems Engineering Rita Pal, Electrical and Computer Engineering

Kamen Pavlov, Computer Science Timothy Michael Peifer, Systems Engineering Johnathan A. Pino, Applied and Computational Mathematics Clayton Titus Powers, *Electrical* and Computer Engineering Ian A. Purnell, Electrical and Computer Engineering Christopher William Putre, Systems Engineering Bo Qin, *Computer Science* Daniel Irving Raimi-Zlatic, Electrical and Computer Engineering Jennifer Rao, Environmental Engineering and Science Jedidiah Reutter, Electrical and Computer Engineering James J. Rhodes, Mechanical Engineering Jason Wesley Rice, Computer Science Paul William Rieck, Systems Engineering Jason Eric Rinckey, Systems Engineering Michael Douglas Roberts, Electrical and Computer Engineering Jessica Nicole Robertson, **Computer** Science Chelsea Mariah Rodrigues, Electrical and Computer Engineering Eugenia Fedorovna Romantseva, Materials Science and Engineering Robert J. Sagmiller, Computer Science Rupinderjeet Kaur Samagh, Electrical and Computer Engineering Joshua Tyler Schindehette, Electrical and Computer Engineering Eric Schuler, Computer Science Daniel Jared Schwartz, Information Systems Engineering Evan Andrew Scott, Systems Engineering

STUDENT HONORS

Robert M. Seng, Computer Science Thomas Karrol Senke, Information Systems Engineering Leo Smith, Computer Science Gregory Phillip Smith, Information Assurance Sandra C. Snyder, Electrical and Computer Engineering Nicole Janette Snyder, Systems Engineering Christopher J. Springer, Electrical and Computer Engineering Christopher Carlson Sublett, Systems Engineering Danielle Stephanie Sullivan, Computer Science Jane Elizabeth Sussman, Electrical and Computer Engineering Sajjad Hussain Syed, Computer Science Farid Tawasha, Systems Engineering Jonathan Kenneth Thompson, Computer Science Emily Tolentino, Applied and Computational Mathematics William W. Toner II, Electrical and Computer Engineering Ashlee Marie Tyce, Environmental Engineering and Science John Brock Ullrich, Systems Engineering Lindsay Christine Underwood, Systems Engineering Donald Wayne Underwood, Systems Engineering Stella Ndidi Uwaechie, Environmental Engineering Ryan Alan Vance, Systems Engineering Jason Vena, Information Systems Engineering Christopher Via, Electrical and Computer Engineering David Joe Vignolesi, Systems Engineering Orlando Humberto Villalonga Jr., Electrical and Computer Engineering

Jack Michael Visoky, Cybersecurity Timothy James Wall, Systems Engineering Tim Brandon Walsh, Cybersecurity Maureen E. Ward, Systems Engineering Paul Michael Watt, Cybersecurity Mark Jason Weindling, *Computer Science* Patrick John Wellein, Civil Engineering Austin Frederick Wheeler, *Computer Science* James A. Whitt, Computer Science Dana Kirk Willia, Systems Engineering James Evan Witt, Systems Engineering John Wojtowicz III, Mechanical Engineering Carl Judd Wright III, Electrical and Computer Engineering Joel L. Young, Computer Science Jaime E. Zabala, Electrical and Computer Engineering Alan Giam, Computer Science

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

Candidates for Degrees in Order of Presentation

THE SCHOOL OF EDUCATION

Doctors of Education

- Renae Azziz, *Education.* The Nature of Bias and Its Impact on Disparate Disciplinary Outcomes.
- Martha Elaine Barwick, *Education*. An Online Community of Inquiry to Promote Professional Learning in a Digital Conversion Initiative.*
- Carey Borkoski, *Education*. A Community of Practice to Increase Faculty Participation in Service-Learning.*
- Andrew N. Cockley, *Education*. Increasing Student Motivation to Achieve College and Career Readiness Standards Through Online Mentoring.**
- Kafui Yaa Doe, *Education*. Inter-Organizational Collaborations and Public-Private Partnerships in School-Based Health and Physical Education Programs and Services.
- Natalie RW Duvall, *Education*. Relate to Motivate: An Investigation of an Online Intervention Geared Toward Increasing Motivation and College and Career Readiness in Students from Backgrounds of Poverty.*
- Adam Clark Essex, *Education*. College Access: Findings on the FAFSA Completion Initiative.*
- Katrina Maurica Foster, *Education.* Building a 21st Century Personalized Professional Development School Community.
- Rebecca Sarit Friedman, *Education.* Teaching Kids to Care: A Needs-Based Intervention to Increase Ethical Sensitivity in Schools.*

Mary Elizabeth Furst, *Education*. Addressing Persistence of Community College Students to Increase Transfer and Graduation Rates.* Sarah Whitman Geldart, *Education*. A Process Evaluation of the Statewide Implementation of the Pyramid Model for Supporting Social Emotional Competencies in Infants and Young Children in Massachusetts.

- Lisa Buchy Herbst, *Education*. Early Childhood Education Quality and Family Engagement.**
- Kimberle Jackson-Butler, *Education.* Supporting Low Socio-Economic Minority Students in Independent Schools Through a Professional Development Learning Community on the Brain-Targeted Teaching.
- Mary Elizabeth Kobett, *Education*. A University-Led Beginning Teacher Mathematics Community.*
- Catherine R. Kruchten, *General.* Engineering Conceptions Among Urban Elementary Students.
- Yolanda Luisa Langhorne, *Education.* Improving Foundational Math Skills in Students with Autism Using Virtual Instruction.
- Katherine McGrady, *Education*. Educating for Diversity: How to Ensure Teacher Success in Reaching Culturally and Linguistically Diverse Populations.
- Alexandra Lynn Murtaugh, *Education*. Myth to Reality? The Pedagogical Connection between Neuromyths and Classroom Instruction.* Erin Noele Paradis, *Education*.
- Working Toward Inclusion: Professionalization of Non-Teaching Staff in K-12 Charter Schools.

David R. Pinder, *Education*. Closing the Principal Efficacy GAP.*

- Punita Chhabra Rice, *Education*. South Asian Americans' Perceptions of Experiences in School in Context of Teacher Cultural Competence.
- Richard D. Rosen, *Education*. A Model Describing Business and Education Partnerships Using Critical Event Narrative Analysis.*
- Julia Sadowsky, *Education*. Improving the Attitudes of Typically Developing Peers Toward Disability in Inclusion Settings.
- Thomas J. Shaughnessy, *Education*. Advancing Student Moral Development: Using Human-Centered Design and Teacher-Led Action Research to Support Design-and-Development Research in K-12 Public Schools.*
- Heather Lynne Brennan Smith, *Education.* Professional Development Effects on Teachers' Self-Regulated Learning.*
- Nicholas David Sproull, *Education*. A Mixed Methods Study Examining the Effects of a Growth Mindset Intervention Targeting High School Football Players.*
- Kendra Meegan Thornton, *Education.* The Impact of Professional Development on Teacher Efficacy Specific to Strategies for Success with ADHD Students in Inclusive Private School Classrooms.*
- Daniel Velasco, *Education*. Supporting Talent Development Secondary School Transformation Facilitators Through Competency-Based Strategies and Professional Learning Communities.*
- Jimmie Lynn Walker, *Education*. Brain-Targeted

Early Child-hood Beginnings: A Case Study in India.*

THE PEABODY CONSERVATORY OF MUSIC

Doctors of Musical Arts

Joelle Arnhold, *Viola* Theodore Stubbs Davis, *Organ* Natalie Draper, *Composition* John Matthew Ehrenburg, *Trumpet* Daniel Alexander Gil-Marca, *Composition* Melody Quah, *Piano* Michael Rickelton, *Composition* Chi Xu, *Piano* Eunkyung Yoon, *Piano*

THE SCHOOL OF NURSING

Doctors of Nursing Practice

- Betelehem Abate. Methods to Reduce Avoidable Emergency Department Transfers in an Assisted Living Facility.
- Chizoba Ifeoma Anako. Psychosocial Co-morbidity among Pregnant Women Living with HIV.
- Martha Sissay Awoke. Does Standardized Nurse-led Heart Failure Education Improve Knowledge and Self-Care and Reduce 30-day All Cause Readmission?
- Kristen Michelle Brown. Preventing Cardiac Arrest in the Postoperative Congenital Heart Disease Patient: A High-Fidelity Simulation Boot Camp for Pediatric Cardiac Critical Care Nurse Practitioners.
- Amita Desai. Ineffective Pain Assessment of the Neonate.
- Susan Renee Giscombe. Implementation of an Evidence-Based Practice Tool to Reduce 30-day Readmissions for Patients Diagnosed with Heart Failure.
- Michelle Song Henry. Translating Evidence-Based Prevention of Hospital

Acquired Pressure Injury (HAPI) into Practice by Developing and Implementing a Standardized Education Program in a Critical Care Setting.

- Emily Noell Herbert. Standardization of Pain Documentation.
- Melissa Diane Hunter. Perioperative Screening of Patients for Risk Factors Associated with Obstructive Sleep Apnea.
- Nicole Marie Kelly. Promoting the Safe Management of the Anticoagulant Warfarin among the Geriatric Population in the Primary Care Setting.
- Claire Allison Piccirillo. Evaluation of a Standardized, Interdisciplinary Preoperative Medication Administration Tool for Adult Inpatients in an Acute Care Setting.
- Amber Price. An Evidence-Based Strategy to Expand External Monitoring Options in the Obese Intrapartum Patient Population.*
- Leslie Maryann Horan Rowan. Decreasing Falls in Acute Care Medical Patients.
- Kyoko Sato. Development of a Collaborative Surveillance Care Delivery System for Early Stage Colon Cancer Patients.
- Sue Carol Verrillo. Continuous Vital Sign Monitoring in Determining Early Deterioration of Adult Postoperative Inpatients to Prevent Failure to Rescue.
- Binnara Yoo. Improving Emergency Department Provider Adherence to Current STD Screening Guidelines.

Doctors of Philosophy

Martha A. Abshire.

Physiological and Psychological and Psychological Stress among Left Ventricular Assist Device Patients.

- Jocelyn Christine Anderson. Effects of Intimate Partner Violence and Mental Health on HIV Disease Progression in Women.*
- Maan Isabella A. Cajita. mHealth Use in Older People with Heart Failure.
- Katherine E. Heinze. Parent and Family Responses to a Child Undergoing BMT During Transitions in Care.** Tokunbor A. Lawal. Disclosing Genetic Variants of Uncertain Significance in an Exome Cohort.
- Paula Virginia Nersesian. Loneliness in Middle Age: Biomarkers of Cardiometabolic Health and the Influence of Perceived Neighborhood Quality.

BLOOMBERG SCHOOL OF PUBLIC HEALTH

Doctors of Public Health

- Fatima Al Sayed Al Dhaheri, *Health Policy and Management.* A 10-Year Retrospective Study of the National Rehabilitation Centre Abu Dhabi: Trends, Population Characteristics, Associations and Predictors of Treatment Outcomes.
- Nuha Sulaiman Alhumaid, *Health, Behavior and Society.* The Positive Families Program: Exploring the Impact of a Family Oriented Media-based Program in the Arab World.
- Jala Assad Assad Taher, *Health Policy and Management.* Knowledge and Attitudes of the Emirati General Public Towards Biobanking for Genomic Research: Policy Implications.
- Veena Goud Billioux, *Epidemiology.* The Successes of and Barriers to Reaching Ambitious HIV Treatment Targets in Rakai, Uganda.

- Kristian J. Henderson, *Health Policy and Management.* Relationship Between Cultural Competency and Quality Indicators in Hospitals.*
- Eileen Marie Kasda, *Health Policy and Management*. The Influence of Patient Safety Culture in Event Reporting.
- Chin-Liang Liu, *Health Policy* and Management. An Evaluation of the Effectiveness of Integrating an SBAR Communication Tool in a Teaching Hospital to Improve Patient Safety in Taiwan.
- Shunsuke Mabuchi, International Health. Understanding Health Center Management and Performance under Performance-based Financing in Nigeria.
- Remington Lee Nevin, *Mental Health.* Pharmacovigilance of Neuropsychiatric Adverse Reactions to Mefloquine.**
- Lori Ann Paine, *Health Policy* and Management. Assessment of Latent Organizational Risk: An Application of High Reliability Principles and Organizational Accident Theory.
- Melinda Dale Sawyer, *Health Policy and Management.* Evaluating the Team and Implementation Factors Associated with Hospitalbased Comprehensive Unitbased Safety Program (CUSP) Team Effectiveness.
- Meike Jill Schleiff, International Health. The Interface between Communities and the Primary Care System in Rural and Low-income West Virginia: Historical and County-level Experience to Inform the Future of Community Health Workers (CHWs)

- Rusty Schlessman, *Health Policy and Management.* Consumer Financial Liabilities in the Health Care Setting: Three Comparative Case Studies.
- Vivien Shen, *Health Policy and Management.* The Effects of Hospital Competition Mergers and Hospital Factors on Quality of Care and Hospital Costs.*
- Stephen Bradley Stake, International Health. Intimate Partner Violence and Depressive Symptoms Among Married Women of Reproductive Age in Rural Bangladesh.
- Stephen Paul Sutch, *Health Policy and Management.* Patient Involvement in Care Management Programs for Chronic Conditions.
- Crystal Rose Watson, *Health Policy and Management.* Riskbased Decision Making During Public Health Emergencies Involving Environmental Contamination.

Doctors of Philosophy

- Francis Mayela Abreu, *Biostatistics.* Definition and Estimation of Intervention Effects in Complex Systems: Gender Equity in Academia.*
- Atif Adam, International Health. Determining the Clinical and Economic Impact of Intensive Weight-loss Management in Adults with Severe Obesity using a Markov Microsimulation Model.
- Jonathan Kweku Akuoku, International Health. Social Ties, Healthcare Access, and Hypertension Risk and Management Behaviors Among Ghanaian Older Adults.*
- Ramya Ambikapathi, International Health. Effects of El Nino Southern Oscillation on Food Prices,

Dietary and Nutrient Intake among Children: Case Study in Iquitos, Peru.

- Alicia Inés Arbaje, *Clinical Investigation.* Information Management During Care Transitions of Older Adults Receiving Skilled Home Healthcare Services after Hospital Discharge.
- Nicole Armstrong, *Epidemiology.* Role of Depressive Symptoms in Cardiovascular Disease, Cognitive Decline, and Mortality.
- Jiawei Bai, *Biostatistics*. Statistical Methods for Wearable Devices with Applications to Epidemiological Studies.
- Jeromie Manfred Ballreich, *Health Policy and Management.* Price Discrimination in the US Cancer Drug Market.
- Afsan Bhadelia, *International Health.* Development of a Multidimensional Measure of Health Justice for Prioritysetting in Health Systems Strengthening.
- Usama Bilal, *Epidemiology.* Neighborhood Social and Economic Change, Food Environment Change and Diabetes Incidence in Madrid (Spain).
- Eoghan Seamus Brady, *Population, Family and Reproductive Health.* Geospatial Health Equity in the U.S. and India.
- Katelyn Ann Bruno, *Environmental Health Sciences.* Effect of Environmentally-derived Sex Steroids on Coxsackievirus B3 Myocarditis: Focus on Vitamin D and Bisphenol A.*

Qing Cai, *Biostatistics*. Joint Modeling and Estimation for Recurrent Events, Longitudinal Measurements and Survival Data.

- Emily Dare Carter, *International Health*. Measuring Child Health Coverage: Validation of Maternal-reported Careseeking and New Methods for Estimating Coverage of Appropriate Management of Childhood Illnesses.
- Bess Loraine Lewis Caswell, International Health. Child Diet Over Three Seasons in Rural Zambia: Assessments of Usual Nutrient Intake Adequacy, Components of Intake Variation and Dietary Diversity Score Performance.**
- Jiho Cha, *International Health.* Measuring Human Rights Violations in the North Korean Health Crisis: A Retrospective Study.
- Vivek Charu, *Biostatistics*. Statistical Methods and Applications in Medicine and Public Health.
- Megan Lehn Cherewick, International Health. Trauma, Coping and Resilience Among Conflictaffected Youth in Eastern Democratic Republic of Congo.*
- Zaynah Tahmina Chowdhury, International Health. Caregiver Feeding Behaviors and Their Relation to Growth and Dietary Diversity in Rural Bangladesh: An Ancillary Study of Women and Children Participating in the JiVitA-4 Complementary Food Supplementation Trial.
- Karina Maren Hammershaimb Christiansen, *Health Policy and Management*. Reframing "Food Deserts": The History of Urban Supermarket Access and Its Public Policy Discourse.**
- Leonardo Collado Torres, *Biostatistics.* Annotationagnostic Differential Expression and Binding Analyses.*

- Nicola Laura Diny, *Molecular Microbiology and Immunology.* The Pathogenic Role of Eosinophils in Autoimmune Myocarditis and Inflammatory Dilated Cardiomyopathy.
- Nicolae Done, *Health Policy and Management.* The Effects of Global Budget Payments on Hospital Utilization and Quality in Rural Maryland.
- Liming Dong, *Mental Health.* Prolonging Healthy Working Lives: The Association of Job Characteristics and Workforce Exit with Mental and Cognitive Health in Mid- and Late Life.**
- Lindsey M. Eldridge, Environmental Health Sciences. Bronchial Artery Angiogenesis Drives Lung Tumor Growth.*
- Jillian Ann Emerson, International Health. Maternal Mental Health and Maternal and Child Nutrition in Eastern Democratic Republic of Congo: A Mixed Methods Study.
- Natalie Giannelli Exum, *Environmental Health Sciences.* Beyond Diarrhea: Fecal–Oral Pathogen Transmission and Environmental Enteropathy in Iquitos, Peru.*
- Nicholas St. John Sydney Fancourt, *International Health.* Chest Radiography for the Diagnosis of Pneumonia in Epidemiolog-ical Studies.*
- Julie Cathleen Fields, *Health, Behavior and Society.* Exploring the Social Context of Sex and HIV-STI Risk among Recently Released Black Men in Baltimore City.
- José Miguel Flores, *Epidemiology.* Gendered Sexual Health Among Men *in India.*
- Anna B. Flynn, *Mental Health.* Substance Use and Adverse Childhood Events Among

Sexual Minority Young Adults in the U.S.**

- Mariam Olivia Fofana, *Epidemiology.* Epidemiologic Impact of Treatment Interventions for Tuberculosis Control.
- Sarah Nicole Forrester, *Mental Health.* Cognitive Function Across Self-identified Ethnoracial Groups: The Role of Discrimination, Allostatic Load, and Health Behaviors.
- Gerson Dario Galdos Cardenas, International Health. Endothelial, Immunological and Structural Assessment of Placental Specimens from T. cruzi Vertical Transmission Cases in Santa Cruz De La Sierra–Bolivia.
- Attia Anjum Goheer, International Health. Fighting Fires and Fat: An Educational and Environmental Nutrition Intervention to Address Obesity and Cardiovascular Risk Factors in the Fire Service.
- James Tristan Gordy, *Molecular Microbiology and Immunology*. Efficacy in a Mouse Melanoma Model of a Dendritic Cell-targeting Therapeutic DNA Vaccine and Enhancement of its Activity by Co-treatment with Antibodies to Neutralize Interleukin-10.**
- Olivia Joyce Hall, *Molecular Microbiology and Immunology.* The Effects of Progesterone on Influenza Pathogenesis in Female C57BL/6 Mice.
- Elizabeth Marilyn Harvey, Population, Family and Reproductive Health. Maternal Hypertensive Disorders in Pregnancy and Maternal Morbidity at Delivery and Postpartum.
- Bing He, *Biostatistics*. FCAT: A Flexible Classification

Toolbox for Signal Detection in High-throughput Sequencing Data. Ilene Lindsay Hollin, *Health Policy and Management.* Patient-centered Drug Development in Rare Diseases: The Case of Duchenne Muscular Dystrophy.*

Emily Anne Hurley, International Health. Identifying Opportunities to Improve Patient-provider Communication in Antiretroviral Therapy Programs in Bamako, Mali.

Leila Jamal, *Health Policy and Management.* Exploring Parental Involvement in Rare Disease Research and Advocacy.

Ellen Margreet Janssen, *Health Policy and Management.* Measuring Treatment Preferences of People with Type 2 Diabetes, An Application of Stated-Preference Methods.

Youngji Jo, *International Health.* Cost Effectiveness and Scalability of an mHealth Intervention to Improve Pregnancy Surveillance and Care Seeking in Rural Bangladesh.

Anna Elsa Marianne Kaagesten, *Population, Family and Reproductive Health.* "A Window of Opportunity": Gender Attitudes and Patterns of Romantic and Sexual Experience in Early Adolescence.

Jocelyn Thalassa Deverall Kelly, *Population, Family and Reproductive Health.* Violence: From the Political to the Personal Examining Links between Conflict and Interpersonal Violence in Liberia.

Jeongyong Kim, *Biostatistics*. Statistical Methods for Multivariate Failure-time Data under Competing Risks.

Elizabeth A. King, *Clinical Investigation*. Early Hospital Readmission following Kidney Transplantation and Simultaneous Pancreas-Kidney Transplantation.*

Brittany Lynn Kmush, International Health. Risk Factors for Antibody Loss after Hepatitis E Virus Natural Infection and Vaccination.*

Erica Louise Koegler, International Health. The Relationship Between Mental Health and HIV in Conflict-affected Settings: A Focus on the Democratic Republic of Congo.**

Lisa J. Krain, *Epidemiology.* Hepatitis E Virus in the Terai of Nepal: Communitybased Cohort Study of Pregnant Women in Sarlahi District and Investigation of the 2014 Outbreak in Biratnagar, Morang District.*

Katherine Jane Kuhns, Environmental Health Sciences. Novel Involvement of Ten-Eleven-Translocation Methylcytosine Dioxgenase 1 (TET1) in Glial Cancers.**

Kaitlin M. Laws, *Biochemistry and Molecular Biology.* Physiological Control of Drosophila Ovarian Stem Cell Lineages.*

Katherine Lee, *Health, Behavior and Society.* Capitalizing on Pregnancy as a Teachable Moment for Healthy Eating and Diabetes Prevention Among Central American Immigrants in Washington, D.C.*

Doris Gay Yee Leung, *Clinical Investigation*. Magnetic Resonance Imaging and Spectroscopy Biomarkers in Hereditary Muscle Diseases.**

- Mengying Li, *Population, Family and Reproductive Health.* Neighborhood Conditions and Children/ Adolescents' Mental Health and Educational Outcomes: Trajectories and Mechanisms.
- Sahnah Lim, *Population, Family and Reproductive Health.* The Role of Perceived Powerlessness in Sexual Risk Taking Among Urban Youth.**

Berkeley Nguyen Limketkai, *Clinical Investigation.* The Role of Vitamin D in Inflammatory Bowel Disease Pathogenesis and Severity.

Pei-hsin Lin, *Health Policy and Management.* The Role of Comorbidity in Predicting Functional Status in Patients after Major Trauma.

Stacey Williams Lloyd, *Mental Health.* Neighborhood Variation in the Rate of Child Welfare Contact.

- Yi Lu, *Biostatistics*. Influence Function Based Statistical Inference Under Various Sampling Designs.*
- Andrea Rosa Mantsios, *Health, Behavior and Society.* The Role of Community Savings Groups in Addressing HIV Among Female Sex Workers in Iringa, Tanzania.
- Lauren Ashley McGinnis, Biochemistry and Molecular Biology. Proteins that Mediate Coordination of the Cell Cortex and the Meiotic Spindle in Mammalian Oocytes: Insights into Cellular Factors Affecting Successful Reproduction.*

Kyle Jarrod McLean, *Molecular Microbiology and Immunology.* The Dormancylike Response of *Plasmodium falciparum* to Amino Acid Starvation.*

Mohd Nasir Mohd Ismail, *Health, Behavior and Society.* Burning Out During the Rite of Passage: Factors that Influence Burnout and Solutions from Resident Physicians.**

Katherine Amelia Moon, *Epidemiology.* Clinical and Subclinical Effects of Arsenic Exposure: Evidence for Risk Assessment.**

Amanda Joan Nguyen, *Mental Health.* A Latent Class Approach to Understanding Experiences of Bullying Victimization Among Youth in Four Low-resource Settings.*

Vanessa Marie Oddo, International Health. The Weight of Work: The Relationship Between Maternal Employment and Maternal and Child Overweight in Low- and Middle-income Countries.

Jenita Parekh, *Population*, *Family and Reproductive Health.* Implementation and Replication of Evidence Based Sexual Reproductive Health Programs.**

Nicole Antoinette Parker, Biochemistry and Molecular Biology. The Role of GDNF Signaling in Maintenance of Spermatogonia Stem Cells and Progenitor Spermatogonia in the Mature Mouse Testis.

Tianchen Qian, *Biostatistics.* Semiparametric Estimation in Observational Studies and Randomized Trials.

Daesha Valli Ramachandran, Population, Family and Reproductive Health. Intersectional Disparities in HIV Testing Among Male Youth in the U.S.**

Sara G. Rasmussen, *Environmental Health Sciences.* Associations of Unconventional Natural Gas Development with Asthma Exacerbations and Depressive Symptoms in Pennsylvania.

- Leslie Claire Redmond, International Health. Obesity Prevention Among American Indian Adults: Impact Evaluation of a Multi-level, Multi-component Intervention.
- Amber Brook Robinson, International Health. Intimate Partner Violence Experiences, Prevalence, and Risk Factors in Rural South-Central Nepal.*
- Cristina Margot Rodriguez-Hart, *Health, Behavior and Society.* Sexual Stigma and Explanatory Mechanisms Linking Sexual Stigma to HIV, STIS, and HIV Testing Among Nigerian Men Who Have Sex with Men.
- Evan Andrew Rusoja, International Health. Investigating "Interconsultas": A Mixed-methods Study of Pediatric Patient Attendance in Santiago, Chile.*
- Saul Javier Santivanez, International Health. Lung and Liver Cystic Echinococcosis: Surgical Treatment and its Long-term Impact on the Health of Infected Subjects.
- Katherine Chunmin Lin Schaughency, *International Health.* Risk Profiling of Malaria Epidemiology in Rural Bangladesh.**

Holly Brianne Schuh, *International Health.* Measuring a Subsystemsystem Relationship and Tradeoffs in Afghanistan: A Country Case Study Examining the Role of Immunization in Health System Performance.

Kelly Morgan Searle, *Epidemiology.* The Epidemiology of Malaria and Challenges to Elimination in a Low Transmission Setting in Southern Zambia.*

- Tara Kirk Sell, *Health Policy and Management.* Health Policy Responses and News Media Coverage of an Emerging Outbreak: The Case of Ebola.*
- Myra J. Shapiro, *International Health.* Access to Healthy Food in Rural Maryland: The Potential of Small Stores.
- Brooke Katherine Sheppard, *Epidemiology.* Examining Co-morbidity, Prenatal Risk Factors, and the Genetic Determinants of Cognitive Developmental Trajectories into Autism Spectrum Disorder.**
- Darla R. Shores, *Clinical Investigation*. Optimizing Nutrition in Infants at Risk of Intestinal Failureassociated Liver Disease.
- Dolly Singh, *Biochemistry and Molecular Biology.* Understanding the Role of Glial Cell Line-derived Neurotrophic Factor (GDNF) in Regulating Stem and Progenitor Spermatogonia in Adult Mice and Men.*
- Mariana Peixoto Socal, International Health. Polypharmacy in Older Adults: A Multi-level Analysis of Trends and Determinants in Sao Paulo, Brazil.
- Alicia Carroll Sparks, *Health, Behavior and Society.* Risky Business: An Exploration of Alcohol Risk Environments Surrounding Military Installations in the United States.*
- Veena Meenakshi Sriram, International Health. The Evolution of Emergency Medicine as a Medical Specialty in India: A Policy Analysis.
- Xin Sun, *Biochemistry and Molecular Biology*. Role of

Sam68 in DNA Damage Responses and Tumorigenesis.

- Jingwen Tan, *Epidemiology*. Utilization and Outcomes of Warfarin Among Patients with End-stage Renal Disease and Atrial Fibrillation.**
- César Augusto Ugarte Gil, International Health. Tuberculosis and Diabetes: Another Perfect Storm?
- Priyanka Uprety, *Molecular Microbiology and Immunology.* Understanding the Immunopathogenesis of Perinatal HIV-1 Infection: Toward Longterm Remission.*
- Therri Alexandria Usher, *Biostatistics.* Likelihood-based Methods of Mediation Analysis in the Context of Health Disparities.*
- Andres Ignacio Vecino Ortiz, International Health. Three Essays on the Links Between Chronic Stress, Social Programs and Preventive Health Behaviors Among Seniors in England.*
- Eric Matthew Wier, *Biochemistry and Molecular Biology.* The Role of Ribosomal Protein S3-p65 Interaction in NF-kB Transcriptional Specificity and Tumorigenesis.**
- Cherise Wong, *Epidemiology.* The Epidemiology of Ageassociated Conditions Among Individuals Living with HIV in North America.**
- Michelle S. Wong, *Health Policy and Management.* A Multilevel Exploration of Obesity and Disparities: The Neighborhood, Family, and Healthcare System.
- Stacy Elizabeth Woods, *Environmental Health Sciences.* Investigating the Space-time Variation in Fine Particulate Matter Pollution in the Northeastern United States, 2000–2014.*
- Yang Wu, *Health, Behavior and Society.* How Does Urbaniza-

tion Contribute to Western Fast Food Consumption and Child-hood Obesity in China—The Mediating Role of Food Environment.**

- Xiao Xiao, *Environmental Health Sciences.* Metabolic Altera-tions in Airway Epithelium in Allergic Asthma.*
- Yuting Xu, *Biostatistics.* Dynamic Functional Connectivity in Functional Magnetic Resonance Imaging Data.
- Hong Xue, International Health. A Comparative Study of the Etiology and Intervention Options of Childhood Obesity in China and the United States Using Systems Science Approaches.**
- Goro Yamada, *International Health.* Assessment and Prediction of Body Mass Index (BMI) Distributions among Adult Populations in Mexico, Colombia, and Peru, 1988–2014.**
- Mo Zhou, *Health Policy and Management.* Exploring Heterogeneity of Stated Preferences through Latent Class Analysis.
- Rachael Beth Zuckerman, *Health Policy and Management.* The Role of Public Transportation in Access to Care for Older Adults in the United States.*

THE PAUL H. NITZE SCHOOL OF ADVANCED INTERNATIONAL STUDIES

Doctors of Philosophy

- Sabina Judith Henneberg, *African Studies.* Governing Uncertainty: Governance in North Africa Following Authoritarian Breakdown in 2011–2012.
- Constantino Cristovam Hermanns Xavier, *South Asia Studies.* From Inaction

to Intervention: India's Strategic Culture of Regional Involvement (Nepal, Sri Lanka and Myanmar).** Theodore Andrew Kahn, *Latin*

American Studies. Elusive Alliances: Local Government, Transnational Capital, and Regional Development in Post-Reform Mexico.

- Khalid H. Nadiri, *South Asia Studies.* Brokers, Bureaucrats, and the Quality of Government: Understanding Development and Decay in Afghanistan and Beyond.
- Andrew Alexander Whitworth, *European Studies.* Banks Unchained: An Analysis of How the State Lost Control of Banking and Financial Instability Increased.

THE SCHOOL OF MEDICINE

Doctors of Medicine

Nancy Amma Abu-Bonsrah Somya Abubucker Ishrat Ahmed Karun Singh Arora Anirudh Arun Phoebe Lagemann Bacon Sminu Bose Jarred Alexander Bressner Nicholas A. Calotta Marcelo Cerullo Meera Reddy Chappidi Vivek Charu Lisa Nawei Chen Nymisha Chilukuri Jeffrey Mark Cloutier Jesse Scott Cohen Christopher C. Cottrell Kristin Crossin Darwin Breanne Britton Das Pujan Dave Judy Chen Doong Ankur Ajay Doshi Ruchi Srivastava Doshi Malgorzata Dymerska Ramy El-Diwany Zachary Obinna Enumah Caleb James Fan

Julie Cathleen Fields Alexander Herbert Fischer Mariam Lomaico Olivia Fofana Brian Chun Kim Goh Megan Elise Gornet Alexis Lynna Graham Alice He Kathryn Brown Holroyd Kate Wang Hsih Benjamin W. Iliff Mark Samuel Iscoe Dvone Courtez Jackson Nicole Tin-Lok Jiam Sarah Joo Ilona Catalina Juan Genevieve Jung Kaunitz David Alexander Kidd KiBem Kim David Kirby Antony Gatebe Kironji Lyonell Benn-Izak Kone Lauren Marie Kucirka Diane Marie Kuhn Anne Michiko Kuwabara Ishaq Lachin Andrew Joseph Layman David Joohun Lee David Xiao Li Jacob George Light Sandra Marcela Lopez Jana Paige Lovell Joshua Roland Lupton Albert Thein Lwin Manoj Venkat Maddali Sally Mahmoud Melanie Ruth Major Nivati Mamtora Madeleine Grace Manka Annemarie McMillan **McCartney** Eric William Mills Alisa Mo Carolina Maria Montano Dane Samuel Moran Bipasha Mukherjee-Clavin Tina Munjal Emily Marion Murphy Matthew Eric Naumann Steven James Pennybaker Powell Perng Maria Ann Phillis

Rosa Miller Polan Harry Joshua Posen Amy Quan Quan Sydur Rahman Anita Rao Ayresleigh Brandina Rowland Sarah Tayeba Saleemi John G. Schimek John Schulz Andrew Vincent Scott Anthony Ventu Serritella Kerry Lee Shannon Daren Joshua Simkin Sarah Jeane Skuli Susan Edith Stanley Cole Harris Sterling Daniel Stevens Alexander Bennett Stone Sbaa Kauser Syeda Liyang Tang Trinh Phuong Trang Amy Ruth Vandiver Crystal Hui Wang Frances Wang Andrew Lawrence White Luke Allister Wylie Yanjun Xie Tim Xu Georgia Crystal Yalanis Andrew Rong Song Tzeng Yang Ian Randolph Yarett Linda X. Yin Andrea Victoria Yonge Allen Young Daniel James Zabransky Stephanie Wang Zuo

Doctors of Philosophy

Vasudha Aggarwal, *Biophysics and Biophysical Chemistry.* Probing Native Macromolecular Complexes Using Single-Molecule Pull-Down. Ishrat Ahmed, *Neuroscience.* The Role of Inositol Polyphosphate Multikinase in Huntington's Disease. Rebecca Ellen Ambrose,

Neuroscience. Hippocampal Replay and Learning from Reward.**

Alexandra Marie Amen. Neuroscience. Characterization of a Regulatory Mechanism for Posttranscriptional Lin28A Induction Through microRNA Processing Machinery in Neuronal Growth.** Foram Naresh Ashar, Human Genetics and Molecular *Biology*. Investigating the Role of Nuclear and Mitochondrial Variation in Cardiovascular Disease.** Claudia Regina Avalos, Cellular and Molecular Medicine. Macrophages: An Overlooked Latent Viral Reservoir in SIV Infection.** Bracha Erlanger Avigdor, Human Genetics and Molecular Biology. Inferring Tumor Evolution from Somatic Variant Landscapes. Michael Ayars, Pathobiology. **RNA Expression Patterns in** Pancreatic Intraepithelial Neoplasia.** Ling Bai, Neuroscience. Defining Touch Receptors and Their Central Pathways Controlling Touch and Pain. Desiré Elaine Barrett, Molecular Biology and Genetics-Program in Immunology. The Role of TCR gamma/delta T-Cells in the Gut Epithelial Compartment. Violeta Jivkova Beleva Guthrie, Biomedical Engineering. Coevolution Network Models Predict the Impact of Multiple Mutations on Protein Function.** Nathan Alexander Bihlmeyer, Human Genetics and Molecular Biology. **Elucidating Genetic** Determinants of Heart Disease and Longevity Through Genome-Wide Association Analyses. Murat Bilgel, Biomedical Engineering. A Multivariate

Nonlinear Mixed Effects Model for Studying Preclinical Alzheimer's Disease Markers of Neuropathology, Neurodegeneration, and Cognition.**

- Joshua Kyle Bruner, *Cellular and Molecular Medicine.* FLT3-Mutant Leukemia: Signaling Adaptation and Novel Mouse Models.
- Katherine Michelle Bruner, *Cellular and Molecular Medicine.* Characterization and Measurement of the HIV-1 Latent Reservoir Using Single Genome Analysis and Droplet Digital PCR.
- Patrick O'Neill Byrne, *Program in Molecular Biophysics*. How EGF and IGF1 Activate Their Receptors: Mechanisms of Autoinhibition and Activation.**
- Nicholas Enrico Calcaterra, *Pharmacology and Molecular Sciences*. Establishment and Utilization of a Drug Discovery Platform for Kv11.1-3.1, a Novel Target for the Treatment of Schizophrenia.**
- Clinton Lamont Cave, *Neuroscience.* Investigating the Postnatal Functions of GDE2 in the Mammalian Nervous System.**
- Kelly Chiryurn Chang, Biomedical Engineering. Alternans and Atrial Fibrillation: From Cellular Mechanisms to Arrhythmogenesis.**
- Sonia Grace Chin, *Neuroscience.* Olfactory Processing in Oviposition Behavior of *Drosophila melanogaster.***
- Soon Weng Cho, *Cellular and Molecular Medicine.* Sparsity and Scarcity: Multiomic Studies in a Low Resource Setting (A Study in Archival FFPE Cancer Tissue).
- David Chu, *Cellular and Molecular Medicine. ESR1* Mutations and Endocrine

Resistance in Human Breast Cancer.

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Verneisha Anderson. Education** Estefany Angeles, Education* Mariko Kristy Antonacci, Education Shanley Ku'uipopumehana'okalani Apele, Education** John Aquila, Education** Denisse Melina Aquino, Education Tiffany Maria Araujo, Counseling Gabriela M. Arizola, Counseling* Yaw A. Asante-Bio, Education Samantha Lidia Yvonne Elizabeth Ashby, Education* Steven D. Atkin, Education Jenna Ann Aubert, Organizational Leadership** Kalahikiola J. Aukai, Education Jesse Numa Auld, Intelligence Analysis** Benjaman L. Ault, Education* Elizabeth Anne Autrey, Education David Bacharach, Education Natasha A. Backman. Education Micaela Josephine Baker, Education Blake J. Barber, Education Christopher I. Baron, Education** Frances Anne Elizabeth Barron, Special Education Katie Baskin, Education Edwin Alexander Snell Batson, Education* Katherine M. Bauer, Education Chelsea N. Beck, Education Meva Beganovic, Education Tannya J. Benavides, Education Lacey LaRae Bengtson, Counseling Shah Jourdan Hoshida Bento, Education** Amie Welfeld Bereson, Counseling Andrew Berkowitz, Education Rebecca Bernstein, Education**

Dide Cimen Berube, Counseling Christina Danielle Best, Education Carisma Bishop, Education Michael Blake Bishop, Education Jennifer Elizabeth Bitzer, Education** Sam Gabriel Blobaum, Education* Asia Louise Booth, Education* Lauren M. Booth, Special Education** Teresa Lynn Boragno, Education** Turquoise K. Bowen, Counseling Nicholas A. Boyer, Education Alison Brown, Education Geoff Brown, Education Janiel A. Brown, Education Myeshia Y. Bryant, Education Hannah Rene Bucholtz, Education** Sarah E. Bugay, Education** Robert Bujosa, Education Shelise A. Burris, Education Meghan Laschinger Busan, Education Kiara M. Byous, Education Azia Tanaka Calderhead, Education Kara Elaine Cannon. Education Lauren Patrice Cardenas, Education* Zachary W. Carey, Education** Danielle Emma Cassidy, Education** Carla Patricia Castro, Special Education Lauren E. Catalano, Education* Patrick T. Cero, Education* Ursula Cerro Reategui, Counseling Jeffrey Paul Chamblin, Organizational Leadership** Catherine C. Chao, Education Gregory Stephen Chapman, Counseling**

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*Degree conferred August 26, 2016 **Degree conferred December 30, 2016 Heidi Lee Davis, Education** Jessica Colleen Davis, Education Sheridel A. De Vera, Education Adriana Francesca DelGizzi, Education Christina L. Delicata. Education** Ayisha Deloatch, Education** Kara S. Dengler, Education** Shaun K. Devlin, Education Lindsey Shannon Devore, Education Courtney Erin Dill, Education Grace A. Dimond, Special Education** Robert W. Dishell, Education Melinda M. Dix, Education Quay A. Dorsey Jr., Education** Valerie Ann Dorsey, *Counseling* Jeremy Ryan Dow, Education Jane Doyle, Education Lanae Ramona Drachslin, Education Laura M. Drummey, Counseling** Kathia Dumelle, Education Shaquelle M. Duncan, Education Deanna L. Dunne, Education Madalyn L. Durgin, Education** William Francis Durling, Education** Bradley J. Earl, Education Jacob Samuel Einstein, Education Rebecca Lynn Elliott, Education Amber Ellis, Counseling Christie N. Ellis, Education Jessica Ann Enderlin, Education Rosa Noemy Esparza, Education Gerthy Eugene, Education Samantha Elizabeth Evers, Education Alisha Patrice Fairfax, Education** Deborah Opeyemi Fajuyigbe, **Education** Lauren A. Farago, Counseling

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Education

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Sean James Hamilton, Education Emma Hance, Education Cherrelle M. Harris, Intelligence Analysis** Zoya Hassan, Education** Lauren Elisabeth Hauck, Education Ashley V. Haug, Education* Sheri S. Hawes, Counseling Toriano A. Hayward, Education* Makeda D. Heard, Education Colleen A. Heberlein, Education Kathryn M. Henry, Special Education Chrystina Marie Herring, Education Amy E. Heuton, Education Benjamin D. Higgins, Education Leigh G. Hill, Education* Helen Hillis, Education Ebony Julia Hinton, Education* Sara Alison Hoegen, Education Gabriella P. Hoehn-Saric, Education* Kelly Kathleen Hoffman, Education Veronica Louise Hopkins, Education* Jessie Anne Horowitz, Education Jennifer Hua, Counseling* Lindsey Hudrlik, Education Madeline T. Hunt, Education Christopher James Huxley, Education Charnis A. Irvine, Education Alexandra Lynn Iula, Counseling Shea Cooper Jackson, Education* David B. Jaffee, Education Sarah James, Education Janki Ashutosh Jani, Education Alyssandra Jaquith, Education Stephanie L. Jarek, Education** Jenine M. Jeffreys, Education Nilsa M. Jenkins Luna, Education

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Robin Denise Kirk, Education Tatiana J. Klein, Education Anna Marie Koehnk, Education Meliha Korkutovic, Education Luke B. Kortepeter, Education Elena K. Kountoures, Education** Rebecca Allison Koza, Education** Stephanie L. Kozofsky, Education Jessica N. Krachman, Education** Peter Clarke Kuhns, Education* Brittany LaQuinta LaBelle, Education Imani Jazz Ladson, Counseling* **Racquel Andrea Lambert** Warrick, Counseling Gabriel Lamptey, Organizational Leadership* Daphney LisAnne-Sinclair Landry, Education Alexandra R. Larson, Education Chase Walker LaRue, Education Shannon K. Lasiter, Education Alexis Mary Lassus, Education Rebekah Bentle Laudermilch, Education Sarah Lauture, Counseling* Theresa M. Lawler, Education** Mary Louise Laycock, Education Linda P. Le, Education Mercedes Lee. Education Eric Warren LeMaster, Education** Marilyn Merkley Lepore, Education** Jason R. Lewis, Education Rhiannon Nadine Lewis, Education Vanessa Kiesha Lewis, Counseling* Kimberly Anne Lewnes, Counseling Jessica Wei-Yin Li, Education** Ann Yii Liew, Counseling

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Ross Ian Seidman, Education

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Ashley L. Swift, Counseling Seheri Sujari-Nika Swint, Education Jessica A. Swirtz, Education Rebekah R. Syler, Education Leah Grace Tacchi, Education Rachel L. Talasko, Education** Yuen Sin Larissa Tam, Counseling** Cheryl Tang, Education Maile Anne Tatsuno, Education Alexa Marie Tegtmeier, Education Darcie L. TeVault, Education Chardai Ra'Neguia Thomas, Education Kerena Rachel Thomas, Education Shahara T. Tiatia, Education Christopher Todd, Organizational Leadership** Angel Torres, Education Ishtiaque B. Toufique, Education** Joseph B. Trpkosh, Education Elizabeth Michelle Tseronis, Counseling Alyson Tsui, Education Trisha L. Turigliatto, Education Tayler E. Turner, Education** Crystal K. Tyson, Education Blessing Ukpong, Counseling* Ayman Teeham Ullah, Education Kara Faith Valliere, Education Donnaya Avrie-Ann Vassell, Education Nina Vaughn, Counseling** Jon Vaupel, Education Sofia Milagros Vega-Ormeño, Education Maryann E. Velasco, Education Kaitlin M. Vencus, Special Education** Adam Venick, Education Jennifer Bautista Ventura, Education Kathryne Mei Lin Villaruz, Education Dayanna Volitich, Education** Kathleen L. Wagner,

Fareeha Waheed, Education* Aubrey E. Walford, Education Collette Anecia St-Claire Walker, Education Molly A. Wallace, Education Julianna Marie Walsh, Education Muhammad Waqas, Counseling John Andrew Warchal, Organizational Leadership** Bailey Michaela Warrior, Education Rebecca S. Washington, Counseling Mary Catherine Weaver, Counseling** Jonathan Carnack Weber, Education Bennie Webster-Mann, Counseling* David J. Weiner, Education David J. Weinreb, Education Meir Hillel Wexler, Education** Brittany Nicole Whitby, Education** Kendall Raina Whiting, Education Samson A. Widerman, Education Aliya Rachel Wilk, Counseling** Karina Alisha Williams, Education Raven Simone Williams, Education* Daryl X. Williams Jr., Education** Sharonda R. Willingham, Education Kane K. Willis, Education Kelley D. Willis, Education Christen Mailia Yukiko Wilson, Education Lindsay Winter, Special Education** Melissa Nicole Wintz-Dykstra, Education** Bret Ashton Wolgamuth, Education Katherine E. Wondra.

Education

Kyle J. Wood, Education

Mark Ernest Worrell Jr., Education Zhaopu Xu, Counseling David Taesun Yeom, Counseling** Francine Tazetta Goldstein Yerkes, Education** Yilmaz S. Yoruk, Education* Montana Young, Education Elizabeth Ann Zachik, Counseling Kaivan Zahedi, Intelligence Analysis** Chelsea Alessandro Zahm, Education** Haiqi Zhang, Education*

Masters of Education in the Health Professions

Deema Al-Sheikhly Mary Carol Blazek* Gundula Bosch** Stephen Mark Carroll** Christen Klochan Dilly Marcie Feinman Susan L. Gearhart Elizabeth Topper Golub Nazik Hammad Marie N. Hanna Fawzia Huq Catherine E. Lewis* Robert Samuel Mayer* John William McEvoy** Nur-Ain Nadir** Eric C. Nemec II Sharon Kim Park Brian Lee Pitts* Shiva Sarraf-Yazdi* Vishal Kumar Sharma* Stephen Martin Sozio Jacqueline Elaine Stokes Shireen Omer Suliman** Steven Jay Warrington*

Masters of Arts in Teaching

Adenike Adekemi Ainabe Kristen Anderson Sarah McKenzie Biron Adina Colander Brazier Samuel Karl Cytroen Lisa R. Dziak** Mary M. Elwell* Alexander J. Hall Melany Noelle Justice Daniel Ko Sophia Christine Kurtze Jessica J. Lee Connie Lin Ryan Nelson Louie* Stephanie R. Malpass* Shannon L. McGarry Stephen Michael Mince Brittany P. Murphy Carlos Felipe Ohn Megan C. O'Leary Nicola Omatsola Jessica Lee Parent Joseph L. Press IV Diane B. Radov Kristin Taylor Randall Yvonne Rivera Julia Leigh Share Lara Blake Shegoski Thomas Alan Sheppard Katherine Grace Somerville Nicholas Cromwell Swisher Ashley Li-Ling Vink Hanna Kristine Walston Stephanie Ann Bertran Williams

Graduate Certificates

Anne Sexton Adams, School Administration and Supervision** Manirah Lea Agans, Mind, Brain and Teaching** Terrill Lynn Alleman, Mind, Brain and Teaching** Karen Yvonne Aluko, School Administration and Supervision Kelly Marie Anastasi, School Administration and Supervision**

Education**

MASTER'S DEGREES AND CERTIFICATES

Ellen M. Kim, Urban

Noraida Y. Ankobia, School Administration and Supervision**

Nicole Archambault Besson, Mind, Brain and Teaching**

Thomas Eric Arnott, School Administration and Supervision**

Amy Marie Aromatorio, School Administration and Supervision*

Randolph Scott Barnes Jr., School Administration and Supervision

Edwin Alexander Snell Batson, *Urban Education**

Joy D. Beatty, School Administration and Supervision**

Kristen Betts, Mind, Brain and Teaching

Lauren M. Booth, Education of Students with Autism and Other Pervasive Developmental Disorders**

Lauren M. Booth, Differentiated/ Inclusive Education: Advanced Methods for Instruction**

Maureen Kinlan Boucher, *Mind*, Brain and Teaching**

Jason R. Braverman, K-8 STEM Education Lead-Teacher

Traci M. Brown, School Administration and Supervision**

Marc S. Buckley, *Educational* Leadership for Independent Schools**

Adrian S. Burney, School Administration and Supervision

Laura E. Butterfoss, School Administration and Supervision**

Heather Calandruccio, School Administration and Supervision

Lauren Patrice Cardenas, Differentiated/Inclusive Education: Advanced Methods for Instruction*

Lauren Patrice Cardenas, Leadership for School, Family, and Community Collaboration* Summer J. Carter, School Administration and Supervision* Kelly Fitzgerald Clark, Mind, Brain and Teaching Angela M. Clemens, Mind, Brain and Teaching** Olivia Katie Cox, School Administration and Supervision* Gretchen Margaret Cruden, Mind, Brain and Teaching** Charlotte Baker Dean, Mind, Brain and Teaching** Adriana Francesca DelGizzi, Urban Education Kara S. Dengler, Emergent Literacy Education** Kara S. Dengler, English as a Second Language (ESL)** Grace A. Dimond, Education of Students with Autism and Other Pervasive Developmental Disorders** Ronald Allan Dyda, School Administration and Supervision** Aisha Elahi, Educational Leadership for Independent Schools Aisha Elahi, English as a Second Language (ESL) Angela H. Fang, School Administration and Supervision** David D. Ferguson, School Administration and Supervision** David D. Ferguson, Urban Education** Susanna L. Foote, *Leadership* in Technology Integration* Joseph M. Francaviglia, School Administration and Supervision Caitlin E. Frank, School Administration and Supervision** Virginia Fulton, School Administration and Supervision Melissa Ann Garcia, K-8 STEM Education Lead-Teacher

Mary Michele Geiser, Early Intervention/Preschool Special Education Specialist** Mary Michele Geiser, Education of Students with Autism and Other Pervasive Developmental Disorders** Kaitlyn Ann Gemeny, Urban Education Eunique V. Gray, School Administration and Supervision Johanna Carol Hagar, Mind, Brain and Teaching** Carrie Anne Hallensleben, Mind, Brain and Teaching** Timothy H. Hamilton, School Administration and *Supervision* Makeda D. Heard, Online Teaching and Learning for Adults Makeda D. Heard, Teaching the Adult Learner Gregory Thomas Heid, K-8 STEM Education Lead-Teacher* William J. Incollingo, Leadership in Technology Integration** Fredina M. James, School Administration and Supervision Jonathan M. Jenusaitis, Urban Education Jacqueline AviElle Johnson, Differentiated/Inclusive Education: Advanced Methods for Instruction* Jacqueline AviElle Johnson, School Administration and Supervision* Shaunta Denise Jones, School Administration and Supervision Monica F. Jordan, Mind, Brain and Teaching** Caitilin Elizabeth Kilty, School Administration and Supervision Ellen M. Kim, Differentiated/ Inclusive Education: Advanced Methods for Instruction*

Education* Jean Frances Kindelin, Mind, Brain and Teaching** Juan Pablo Koropecky, K-8 STEM Education Lead-Teacher Catherine R. Kruchten, Gifted Education** Theresa M. Lawler, Education of Students with Autism and Other Pervasive Developmental Disorders** Theresa M. Lawler, School Administration and Supervision** Anne Lee, Gifted Education Susan S. Lee. School Administration and Supervision Eryn Lessard Sherman, School Administration and *Supervision* Kenyatta Le'Shea Lewis-White, School Administration and Supervision Heather Schwartz Loeffler, Mind, Brain and Teaching** Kristin M. Long, K-8 Mathematics Lead-Teacher** Kristin M. Long, Gifted Education** David P. Lowe, Leadership in Technology Integration* David P. Lowe, Online Teaching and Learning for Adults* Sarah Rae Lymer, Gifted Education** Fangfang Ma, Mind, Brain and Teaching** Rebecca Sheridan Malone, School Administration and Supervision Jennifer Bray Mann, Mind, Brain and Teaching Dianna M. Marinaro, Education of Students with Autism and Other Pervasive Developmental Disorders Dianna M. Marinaro, Urban Education Andrew John Matschiner, School Administration and Supervision

*Degree conferred August 26, 2016 **Degree December 30, 2016 Jennifer N. Mawcinitt, School Administration and Supervision Francine M. McConville, Leadership in Technology Integration Janet Amy McDermott, Educational Leadership for Independent Schools** Diane McJury McKelvey, Education of Students with Autism and Other Pervasive Developmental Disorders Rachel Staman Mejibovsky, School Administration and Supervision Raymond Scott Murphey, Mind, Brain and Teaching** Kimberly S. Nelson, School Administration and Supervision** Lauren K. Nelson, Mind, Brain and Teaching Minh Elizabeth Nguyen, School Administration and Supervision Dinorah Olmos, Leadership for School, Family, and Community Collaboration** Kristin M. O'Neil, School Administration and Supervision Michael S. O'Neil, School Administration and Supervision Juliana Ospina Cano, Urban Education* Riddick T. Parker, School Administration and Supervision Michael Clay Powell, Leadership in Technology Integration* Lynn Marie Rechel, Mind, Brain and Teaching Cassandra Griffith Redding, *Early Intervention/Preschool* Special Education Specialist** Cassandra Griffith Redding, Leadership for School, Family, and Community Collaboration** Allison E. Reigel, Mind, Brain and Teaching

Allison E. Reigel, School Administration and Supervision Maskit Ronen, Mind, Brain and Teaching** Brooke Leigh Rubin, Mind, Brain and Teaching** Janine Crawford Ryan, School Administration and Supervision** Andrea Samlin, Education of Students with Autism and Other Pervasive Developmental Disorders Mary Katherine Seidl, School Administration and Supervision Rashid J. Shafer, Urban Education* Morgan A. Shepard, School Administration and Supervision Roseanna Overbey Silva, Leadership for School, Family, and Community Collaboration Sara J. Smith, Urban Education Zyrashae N. Smith, Urban Education** Maura B. Sutherland, Mind, Brain and Teaching Mia Kristen Svendson, Differentiated/Inclusive Education: Advanced Methods for Instruction* Seheri Sujari-Nika Swint, Urban Education Paige Lee Talhelm, Education of Students with Autism and Other Pervasive Developmental Disorders Darcie L. TeVault, Mind, Brain and Teaching** Jessica B. Thompson, School Administration and Supervision Ann-Marie Claudia Timothy, School Administration and **Supervision** Eliott Robert Tyler, School Administration and Supervision** Kaitlin M. Vencus, Education of Students with Autism and

Other Pervasive Developmental Disorders** Kaitlin M. Vencus, *Early* Intervention/Preschool Special Education Specialist** Dayanna Volitich, Educational Leadership for Independent Schools** Dayanna Volitich, Mind, Brain and Teaching** David J. Weiner, Educational Leadership for Independent Schools Cavena J. Williams, School Administration and Supervision** James Anderson York, Mind, Brain and Teaching Haiqi Zhang, Data-Based Decision Making and Organizational Improvement* Haiqi Zhang, Urban Education* THE PEABODY **CONSERVATORY OF MUSIC**

Artist Diplomas

Seungmin Oh, *Flute* Sejoon Park, *Piano*

Graduate Performance Diplomas

Kaleigh Acord, Violin Yu-An Chen, Piano Jing Dai, Oboe Thomas Fortner, Conducting Daniel Jacobs, Viola Eunhye Jung, Piano Jisu Jung, Percussion Aejin Kim, Ensemble Arts: Vocal Accompanying Melissa Johnson Lander, Clarinet Hanni Li, Voice Jeremy Lutty, Guitar Nonoka Mizukami, Percussion Ricson Poonin, Trombone Yuan Qi, Viola Eric Hardy Scholes, Double Bass Ko-En Shih, Jazz Violin Lori Ann Sundberg, Voice Alexandra Emi Takasugi, Viola

Julien Xuereb, *Guitar* Tzu-Jou Yeh, *Violoncello* Fang Yuan, *Guitar* Yin Zhu, *Ensemble Arts: Vocal Accompanying*

Masters of Arts

Teng Chen, Audio Sciences Christopher Cummins, Audio Sciences Nicolaus Dulworth, Audio Sciences Jincheng Han, Audio Sciences Edwin Huet, Audio Sciences Arun Ravendhran, Audio Sciences Alexander Henry Roehl, Audio Sciences Chunxiao Song, Audio Sciences Ian Striedter, Audio Sciences Matthew Alan Weiner, Audio Sciences Rebecca Wuu, Audio Sciences

Masters of Music

Jessica Lee Albrecht, Violoncello Kate Amrine, *Trumpet* Jesus Apodaca, Double Bass Carlos Bandera, Composition Samuel James Bessen, Horn Nikita Borisevich, Violin Gabriel Bouche Caro, Composition Sean Brennan, Guitar/ Pedagogy Simone Brown, Voice Alan Buxbaum, Conducting Sean Campbell, Saxophone Jiaojiao Chang, Music Education Theodore Michael Arthur Cheek, Early Music: Lute and Musicology Belinda Chen, Piano Tianyang Chen, Harp/Pedagogy Dayeon Choi, Piano Lichia Chuang, Violoncello Ya-Chun Chuang, Piano Cody Criswell, Composition Samuel Deason, Piano David Deshler, Trumpet

*Degree conferred August 26, 2016 **Degree conferred December 30, 2016 James Duncan, Clarinet Christopher Edwards, Voice John Matthew Ehrenburg, Musicology Aaron Feeney, Violoncello Anne Flood, *Ensemble Arts:* Vocal Accompanying Matthew Gabriel, Violoncello Weilu Ge, Computer Music Composition Elliott Grabill, Composition PengCheng He, Piano Megan Elizabeth Heavner, Voice Sahun Hong, Piano Christen M. Hooks, Viola Yoshiaki Horiguchi, Double Bass/Pedagogy Sijuan Hou, Voice Edwin Huet, Computer Music Composition Christian William Humcke, Composition Samuel Kelsay Jones, Horn Lily Josefsberg, Piccolo Benjamin Kapilow, Composition Aejin Kim, Ensemble Arts: Vocal Accompanying Hyun Jung Kim, Piano Ju Hee Kim, Piano Olivia Hyoyeon Kim, Harp Yesse Kim. Piano Yoon Ha Kim, Composition Youngjin Kim, Piano Anna Kong, Violin David Dang Le, Flute Gabriel Lee, Early Music: Baroque Violin and Violin Minjin Lee, Violin Taryn Taeryun Lee, Horn Ye Jin Lee, Piano Yoo Min Lina Lee, Piano/ Pedagogy Sarah Lewandowski, Trombone Ching Huei Li, Piano ChunFeng Li, Voice Hanni Li, Voice Mengjiao Li, Violin Mengyi Li, Guitar Christina Manceor, Percussion

Christopher McCormick, Composition Robert Edward McGinness, Voice Michael James Minor, Tuba Cassidy Moore, Violin Jessica E. Moss, Voice Steven Andrew Needham. Tuba Nicole Elisa Papadatos, Music Education Kyung-Jun Joseph Park, Piano Julia Perry, Oboe Kok Jun Phang, Composition Kelsey Ross, Horn Daniel Reza Sabzghabaei, Composition Elizabeth Sarian, Voice/ Pedagogy John Taylor Kinzel Scherch, Voice/Pedagogy Hanna Shin, Piano Arlo Shultis, Percussion Laura Snyderman, Voice Darren Stanger, Trumpet Matthew Stiens, Percussion Cynthia Anne Sutton, Musicology Ryan Tani, Conducting Brad Testerman, Saxophone Matthew James Triplett, Composition and Music Theory Pedagogy Allison Y. Tsai, Piano Chia-Yu Tsai, Piano Pin-Ching Tsai, Piano Ethan H. Wagner, Violoncello Junqi Wang, Music Education Tuo Wang, Computer Music Composition Connor Elias Way, Composition Gu Wei, Composition and Music Theory Pedagogy Jillian Wiley, *Voice/Pedagogy* Selene Hongni Wu, Piano Ying-Chen Wu, Violin Hangchen Xiao, Violin Han Xie, Early Music: Baroque Violin and Violin Jiaoyang Xu, Violoncello/

Pedagogy

Wanyue Ye, *Percussion* Phoon Yu, *Organ* Yijia Zeng, *Music Education* Zhe Zhang, *Voice*

Performer's Certificate Kirby Su, *Violin*

THE SCHOOL OF NURSING

Masters of Science in Nursing/Advanced Practice Margaret Smith Aeschliman Ellen Louise Alberts** Catherine Alison Aldinger** Jessica Paola Amaya** Molly Ambler** Edna Avah** Kirby Leigh Baker** Danielle Rose Balzano** Carrie Anne Baran Moira M. Baynes** Kathryn Samsen Beaudoin** Ashlee Taylor Belliveau Katharine Francis Billipp* Kirsten Alma Blomberg** Erin Alexandra Booth Adam M. Boyce** Amy Lynn Brumme** Carita Naomi Carrington** María Carríon Torre** Cecile Kormanik Carson Kelsey Cathcart* Ghislaine Ariel Cedeno** Iennifer Chen Eunice Choi Sarah Elizabeth Collins** Sarah Lieberman Cornblath** Anna Chay Curren** Amy Elizabeth Cutino Evi Angela Dallman** Julia David** Amy Lynn Degener Amit Dhir** Katrina L. Dijamco** Carlo Tan Domingo** Kaitlin Christine Donahue** Brittany Francine Drazich Katelyn Elizabeth Dufour** Melissa Lynn Fannon* Christiana Marie Femano**

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Masters of Science in Nursing/Entry into Nursing Practice

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Allison Marie Olazo*

BLOOMBERG SCHOOL OF PUBLIC HEALTH

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*Degree conferred August 26, 2016 **Degree December 30, 2016

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Yinka Nicole Bode-George, Environmental Health Sciences Christopher Brady, Epidemiology** Jacqueline Victoria Bran, Mental Health* Dannielle Adelle Brown. Mental Health Caitlin Rose Bryan, Biochemistry and Molecular Biology Tyler Scott Bryant, Epidemiology Tania Maria Caballero, Population, Family and Reproductive Health Brandon Maurice Carter. Mental Health Daniel Ricardo Chang, Biochemistry and Molecular Biology Chi Chiung Grace Chen, Epidemiology Hui-Han Chen, Health Policy and Management Jiaying Cheng, Environmental Health Sciences Seungyeon Cho, Health, Behavior and Society Ilinca Ioana Ciubotariu, Molecular Microbiology and Immunology Catherine Ann Clair, Mental Health Alex John Cole, Biochemistry and Molecular Biology Matthew Richard Collinson, Mental Health Cong Cong, Environmental Health Sciences Amelia Murphy Connell, Molecular Microbiology and Immunology Thomas Cronin, *Biochemistry* and Molecular Biology Mary Catherine Cunningham, Health, Behavior and Society Mona Q. Dai, Environmental Health Sciences Rebecca Hope Dezube, Clinical Investigation* Virkamal Kaur Dhaliwal, Molecular Microbiology and Immunology

Nuha Fethi Muktar, Mental

Allysa Ann Dittmar, Health, Behavior and Society Marisa L. Doll, Mental Health Kelly Michelle Drane, Mental Health Nikita Dionne Driscoll, Mental Health Carolyn Sandberg Drogt, Epidemiology Kexian Du, Environmental Health Sciences Jeffrey John Eyring, Biochemistry and Molecular Biology Anthony Todd Fojo, **Biostatistics** Azul Celestina Freedom, Health Policy and Management Colby Mackenzie Gabel, Mental Health Darci May Gallimore, Mental Health Francisco Emmanuel Garcia Gonzalez, Clinical Investigation* Carrie Margaret Goodson, Clinical Investigation* Paul Joseph Gorelick, Health Policy and Management Javaughn Corey Rufus Gray, Biochemistry and Molecular Biology Sarah Natasha Grebennikov, Molecular Microbiology and Immunology John Francis Guerino, Health Policy and Management Madison Claire Carpenter Gunn, Molecular Microbiology and Immunology Diamond Khadejah Hale, Mental Health Paige Taylor Hammond, Health, Behavior and Society Peijin Han, Epidemiology CeCelia Kristine Hanline, Mental Health Jennifer L. Hansen, Mental Health Morgan Blake Harrington, Mental Health

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Masters of Health Administration

Erica Lynn Barnum, Health Policy and Management Patrick Chang, *Health Policy* and Management Stephen Charles Clark, Health Policy and Management Caleb Lee Cobane, Health Policy and Management Mario Felipe Dest, Health Policy and Management Nathan Michael Detro, Health Policy and Management Rebecca K. Duffin, Health Policy and Management Jamie Wei Zhi Fan, Health Policy and Management Gabriel Santiago Gomez, Health Policy and Management Jordan Ashley Hughes, Health Policy and Management Madhu Karamsetty, Health Policy and Management Caroline M. Kaszycki, Health Policy and Management Bhoomi Piyush Lalani, Health Policy and Management Ryan Duy Le, *Health Policy* and Management Sebastian Weion Lim, Health Policy and Management Alexandra Susan Nordstrom Lopez, Health Policy and Management

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Masters of Public Health

Mohammed Mirghani Ahmed Abdelaziz Mohammed Abusamaan Sarah M. Aiosa** Hatem Ali Al Azman Ghada Fouad Al Yousif Omolabake Oluwadamilola Alabi Ridwan I. Alam Mousa Aodh Albalwi Abdulrahman Alboog Fadia S. AlBuhairan Anna Marvam Alikhani Iulia Marie Allen Omar Abdullah Almatrafi** Nedaa Mohammednour Alsamadani** Owiss Hasan Alzahrani Christina Lynn Andersen Ellen Marie Anderson** Rosemary Martekai Ansah Ghedak Nather Ansari Reena Josephine Anthonyraj Atul Aravindakshan Benedicta Arhinful Rawan Tariq Arif Maria Luciana Armijos Carolyn Mary Arnold Kanishtha Arora Aurelia Asieduwaa Asare Auras Ravi Atreya Riddhi Ashok Babel

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Anne Marie Desormeaux Aachal Vivek Devi Nisha S. Dhawlikar Herman Singh Dhotar Nermin Diab Karen Marie Dionesotes Rebecca Elvse Dittrich Karol L. Dixon Doris Donyina-Ameyaw Nicola M. D'Souza Rebecca Lynn Earnest Jemeh Marie Egwuagu** Kyla Mae Ellis Chika Amuche Ezigbo Marissa Robbins Falk Jenna Joyce Ferrara** Daniel Foster Tricia Irene Fredericks* Timothée F. Frühauf Spencer David Fuller Kory L. Funk Richard Gallardo III Bhakti Sanjay Gandhi Kent David Garber Mary Gaul** Sandeep Gautam** Travis Geier Radhika Vishwanath Gharpure Ashish Goel Nellie Grace Goetz Allyson Mundie Goodman* Adelaide Marie Gordon Irena Gorski Hannah Jane Green Jeffrey Emanuel Green Gary David Grossfeld** Stanley Gregory Guillaume Aliya Gulamhusein Rritu Gulati Shawn Gulati Kernika Gupta Raksha Gupta Georgina Gyarmati Afifah Putri Handayani Godefroy Hardy-St-Pierre Ahmed Hassib Grace Beatrice Eileen Hatt Sarah Paige Haughwout Wesley Alan Heeter Honora D. Hellman Marianne Valera Henry

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Masters of Public Policy

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Maria Elizabeth Vincent Spenser Walter Vines Lilv Vu** Sheena Xinnan Wang Peter Worthington Ward* Lanier Watkins Corey Robert Webeck* Matthew Garry Weinstein** Christopher Edward Whitman Sarah Elizabeth Wolf Sheri Zhichun Xu** Jing Yang Jieni Yao Sing Hin Wisley Yiu Jessica Ann Yozwiak** Sepideh Zahiri Allen Zhang* Mochao Zhao Michael Keith Alister Zimmerman

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Masters of Science in Geographic Information Systems

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Masters of Science in Regulatory Science

Nicole D. Antonicello** Adwoa Kesewa Appiah Kristen Genna Buono* Christopher Jarvis Burgess** Sheba Sara Chacko Lin-Chau Chang PhD Steven Chang** Angella Eun Cho Amanda Gail Cole** Richard Judson Davis* Sunchae Davis Benjamin Trung Do Marisa Renee Eschmann** Rosanna Fajar Alex Familia Naftali Zvi Frankel*

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Masters of Fine Arts

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Masters of Arts

Mattia Almansi, Earth and Planetary Sciences* Aaron Roman Apple, Cognitive Science* Cameron Michael Avelis, Biophysics** Swayam Bagaria, Anthropology* Sung Ah Bahk, Economics* Mariah MacQueen Baker, Earth and Planetary Sciences Mariam Banahi, Anthropology* Aaron Jared Begg, English* Kim Vanessa Berghaus, Physics and Astronomy Kenneth James Bergman, Political Science** Andrew Orvieto Brandel. Anthropology* Derek Alan Brehm, Physics and Astronomy* Kathryn E. Brophy, Philosophy* Kristen Marie Brown, Chemistry* Desta Doro Bume, Chemistry Elisabeth Campbell, Classics* Thitaporn Chaisilprungraung, Cognitive Science David M. Chan, Mathematics** Dipanjan Chaudhuri, Physics and Astronomy Yifan Chen, Physics and Astronomy Yihao Chen, Physics and Astronomy Ruu Harn Cheng, Cognitive Science* Joel Michael Childers, English Karen Kou Clothier, Cognitive Science* Benjamin Eli Cohen, History* Edmund Samuel Crawley, Economics Valentina Dallona, Sociology Felipe Badke d'Andrea, Chemistry Sayak Dasgupta, Physics and

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Masters of Arts in Applied Economics

Carlo Vincent DiPietro** Imraan G. Khakoo* Shams Noor K. Khandkar* Dana Linden Trier

Masters of Arts in Communication

Khalifa Khalid Al Khalifa* Jordan Elizabeth Allen Phillipa Kalyani Armes* Andrew Arpaia Stephanie Gabrielle Asbaty** Dara Fennell Baker** Allison Marie Barrow Justine Arielle Bates Laura M. Batts**

*Degree conferred August 26, 2016 **Degree conferred December 30, 2016

Astronomy

Michelle Bedolla Lynn Christine Begany Jessica Gayle Bergman** Taylor Lane Bicho* Sydney Lane Boom Kimberly K. Bowser** Brian Boyle** Paige Lawler Bridges Kimberly L. Bright* Erika Nicole Brown* Haylee Christine Brown Michelle Rose Bujold* Jessica Blake Shouse Burbridge Celine Cardona* Teresa Carrano** Samantha Ellen Carter Priyam Chakraborty Jane H. Chang* Edwin Mutemwa Chiumya Arianna Maria Christopher Anna Marie Clark Sarah Kathleen Cleeland Jennifer Marie Cook Jonathan Michael Corley* Mary Claire Couch* Peter J. Couste III Jesse Stewart Crew Shekethia Curry** Stacy Megan Dillier Zoe Donnell* Kali Michael Duggins Christine Wallace Elfmann* **Tiffany Victoria Epps** Allison Michelle Finder Arwen Consaul Fitzgerald Suzie Galler** Kristin Michelle Geer** Selam Geremew Debele Paul Joseph Gessler** Arin Kumar Ghosh Erin Mae Giles Benjamin T. Ginger* Cassandra Bixler Githinji Claire Suzanne Gould** Andrea L. Gutierrez** Alexis DeLisa Unique Harris** Stephanie Lyn Harrison* Lobna Hassairi** Kaneez Zehra Hassan** Miki Adrian Hayes

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Jennifer A. Swift PhD Julia Tagliere** Laurel Katerina M-O Weijer Shangrila Mary Josephine Willy

Masters of Liberal Arts

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THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES AND THE CAREY BUSINESS SCHOOL

Masters of Science in Biotechnology/Masters of Business Administration

Donald Mukete Betah Hyun Gloria Chung** Darya A. Litvinchuk

THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES

Certificate in Biotechnology Education

Kelly Kathleen Hoffman

Certificate in Biotechnology Enterprise

Elissa Marie Calloway*

Certificates in National Security Studies

Karam Atli Teresa Rachelle Breland** Divya Ramjee* Gregory Scott Sullivan**

Graduate Certificates in Geographic Information Systems

Krysten Rae Beard** Ilan Segal*

Post-Baccalaureate Certificates in Digital Curation

Jocelyn Parker Boigenzahn** Kenaya Necole Camacho Julie D. Goforth Meredith Rae Moore** Joseph E. Scanlin Jr.** Helen Louise Stevens-Martin Ivy Lynn West

Post-Baccalaureate Certificate in Government Analytics Elizabeth Bennett**

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Post-Baccalaureate Certificates in Intelligence

Patricia Chin Brennan* Richard Van Cott Busick V** George Adkins Crawford** Timothy Scott Dixon Eric Benjamin Everhart Charles Andrew Hollenbeck Heang Puy Ly Charles H. McMillan Jr.** Garrett Huntting Stagner**

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Post-Baccalaureate Certificates, Premedical Program

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Post-Baccalaureate Certificate in Science Writing

Jay Alan Martin

Post-Baccalaureate Certificate in Science, Technology and International Security

Kimberly Anne Huynh

THE CAREY BUSINESS SCHOOL

Bachelors of Science

Yoon-Jin Lim, *Business*** Chiquita L. Veney, *Business**

Bachelors of Business Administration

Ran Ran Cheng Erelkheg Chuluunbat Ruixuan Guo Yi Rui Tiffany Gwee Muwen Liu Nanda Keegan Nanan Jun Seo Tomas Solari Yrigoyen* Danzhang Yang Jieyu Yao Jingwen Zhou

THE SCHOOL OF EDUCATION

Bachelors of Science

Dennis James Delp, Organizational Leadership** Antonio Brooke DeVaul, Management** Christopher William Dew, Management** Kenneth M. Fox, Management** Henry Lockyer Marchesani, Organizational Leadership** Sean Timothy Nevin, Management** Ellise C. Saunders, Management** Janard Troy Smith, Management** Michael C. Upton, Organizational Leadership**

THE PEABODY CONSERVATORY OF MUSIC

Bachelors of Music

Najette Abouelhadi, Violoncello Catriona Barr, Euphonium Nicholas Allen Bentz, Composition and Violin Alex Bradley Carlson, Bassoon Michael L. Carter Jr., Trombone Niall Francis Moritz Casey, Oboe Teng Chen, Piano and **Recording Arts and Sciences** Katherine Elizabeth Christenbury, Voice Rebecca Chuang, Violoncello Shane Michael Coughlin, Trumpet Louna Dekker-Vargas, Flute Noah Dion, Jazz Piano Nicolaus Dulworth, Recording Arts and Sciences Nicholas Duncan, Trumpet Hannah Leigh Emigh-Doyle, Viola Katharine Ashley Estes, Voice Katherine Frances Ewles, Composition Sophie Mae Fortunato, Violin Melina Garibovic, Viola Phillip Hagopian, Piano Garrett J. Hale, Oboe Carly M. Henderson, Voice Naiyin Hou, Violin James Benjamin Hoyt, Violin Bailey Jo Hutton, Music Education and Voice Sean Kaesler, Computer Music *Composition* Elizabeth Keckeisen, Viola Dong Yeon Kim, Piano Erin Kim, Clarinet Esther Kim, Violin Hanna Kim, Flute Juhyeon Kim, Violoncello Kaeun Julia Kim, Violin Kelly Kim, Music Education Marcus Kramer, Guitar Andrew Dae Yun Kwon, Violin Buyong Lee, Violin Jisang Lee, Tuba

Hilda Li, Violin Yifei Li, Clarinet Teresa Ching Lin, Oboe Christopher Lock, Computer Music Composition and Viola Sarah Lynn, Early Music: Baroque Flute Claudia Johanna Malchow, Viola Natalia Merezhuk, Violin Ari Messenger, Jazz Violin Katie Nakamura, Violin Rebecca Orchard Horn Matthew N. Ordille, Music Education and Tuba Xiaoxiao Ouyang, Piano Garrett Michael Pelland, Guitar Clara Plestis, Voice Myrna Eliann Reinhardt, Violin Daisy Rho, Violin Alexander Henry Roehl, **Recording Arts and Sciences** Arianna Schickel, Violin Naomi Schrank, Violin Jonah Scott, Jazz Percussion and Recording Arts and Sciences Andrew Shiau, Violoncello Samuel Shreves, Double Bass Kevin Solomowitz, Bassoon and Music Education Laura Spence, Composition Gina Marie Stonikas, Viola Ian Striedter, Recording Arts and Sciences Matthew Sullivan, Computer Music Composition and Recording Arts and Sciences Marika Suzuki, Violin Brad Testerman, Saxophone and Voice Sarah Thomas, Violin Zachary Travis, Horn Louisa Rose Tringali, Voice Ryo Usami, Violin Ting-An Wei, Viola Rebecca Wuu, Piano and Recording Arts and Sciences Norika Zehnder, Voice Lan Zhang, Viola Rebecca Zuniga, Voice

THE G.W.C. WHITING SCHOOL OF ENGINEERING

Bachelors of Science in Applied Mathematics and Statistics

Ritika Achrekar Arvind Arikatla also Computer Science Won Ha Chang** Megumi Kristi Chen Edmond Daniel Costantini** Katelyn Caroline DeBakey** Ali Haydar Delen also International Studies Hannah Sophia Folz also English Lauren Elizabeth Francati** Alexandra Rose Gottlin Julian Joseph Gould also Mathematics Andrea Ashley Henry James G. Hoff Anthony Michael Karahalios Ryan Kneeland Lake Thanh Nguyen Le also Mathematics and Physics Yi Qiao Li also Public Health Studies Thomas Chaoyue Lin also Mathematics and Natural Sciences Area Rong Liu Sasmira Matta *also Public* Health Studies Nicholas Liu McCormack Bradley William Munday Paula Orbiageli Nwosu Michael Francis O'Connor also Physics Daivik Jarred Orth** Jiyoung Park Anjani Prakash Patel** Alexander Anthony Peterson also Mathematics Gianmarco Renzi also Economics Leon D. Santhakumar* Peter Vincent Schiavone Lukas Karl Seebacher also **Economics** Thomas D. Sherman** Natasha Kaur Sidhu also **Economics**

BACCALAUREATE DEGREES

Joseph Vincent Federico

James H. Stroud Alan Torroella** Shane Matthew Trauthwein Eric Z. Yang Jeonghee Yang

Bachelors of Science in Biomedical Engineering

Lingga Adidharma** Ju Young Ahn Clayton Edward Andrews IV David Alexander Angeles* Saranga Arora Priya Arunachalam Aditya Banerjee Alexandra Jeanne Berges Ron Shmuel Boger Emily Catherine Borst Eric W. Bridgeford also **Computer Science** Jacqueline Alexis Burke Karina Alessandra Castano Munoz Larissa Yuet Chan Richard J. Chen Steven Xiang Chen Kyoung-A Cho also Electrical Engineering Bugrahan M. Cigdemoglu also **Computer Science** Alicia N. Coronado Rajiv Sai Deshpande** Miguel Sousa Dias also Applied Mathematics and **Statistics** Parker Bissell Dubee Matthew Dysart Samuel Abbott Eberlein Sofia Elizabeth Espinosa Jourdan Karen Ewoldt Candice Noel Gard Shohini Ghosh also Computer Science Rebecca Michelle Glowinski Michael James Good Kush Gupta** Joe Bahij Hakim** Stephanie Marie Herrera Kathryn Elsa Hochberg also **Computer Science** Jon David Hochstein Syed Shadman Hossain

Annie Chen Hou Kendrick Lin Hougen Yixin Hu Kevin Huang also Applied Mathematics and Statistics Nikhil Krishna Jois also Applied Mathematics and **Statistics** Noemie Muriel Keller** David Yeong-jin Kim also Applied Mathematics and **Statistics** Do Hun Kim Nole Lin Richard Xiuri Liu Andrew Luu Adarsha Prakash Malla Andrew Wang Mao** Ionathan P. Masterson Alex John Mathews Christopher J. Micek Rebecca Elyse Miller Clara Ashley Molineros Akash B. Monpara Kimberly Ann Morawski* Alyssa Caitlyn Morgan Hallie Morgan-Rodriguez Matthew Thomas Munoz Dimitrios George Nikitopoulos Paola Donis Noriega Jinwoo Oh also Applied Mathematics and Statistics Seung Mi Oh** Siavash Sam Parkhideh Vishnu Prasath Akash Premkumar Joshua George Punnoose Arun Manakal Raghavan Samy Ramadane Vignesh Ramchandran also Applied Mathematics and Statistics** Qiuyin Ren** Gabriela Marie Rodal** Caitlin Marie Romanczyk** **Ouinn Nicole Salditch**** Alianna Renee Sanzi also **Computer Science** Ernest John Scalabrin Erica Leigh Schwarz also **Computer Science**

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Bachelors of Arts in Writing Seminars

Nehal Aggarwal Lauren Sarah Altus Madison Marie Archard Emily Kathryn Brown Sooean Chin also Film and Media Studies Helena Haerim Chung also Film and Media Studies Allison Haines Comotto Hannah Wilder Danziger also Classics Daniel Anthony DeSimone Megan Paige Fuerst also English Amy Michelle Garcia also **Cognitive Science** Maggie Caroline Gill also Psychology Maxwell Leonard Gontarek Jordyn Alexandra Greenblatt Audrey Stratton Holt also English

Lin Jia also Psychology Meghan Elizabeth Killea also Film and Media Studies Christina Yourim Ko also International Studies Sigal Rebecca Landau Ruth Marie Nairne Landry Isis Lau Pui Sun Nina Seibel Lerner Hannah S. Lin also Global Environmental Change and Sustainability Ilana R. Malkin Sophie Mancini Megan Collins Margraff Adam M. McCann also International Studies Jessica N. Moog Yaniv M. Moore Anastasia Marie Moszkowski Danielle Anne Naassana also Film and Media Studies Treva Hannah Obbard Debbie Ou Faith Maya Ada Ngozi Owhonda Ye Ji Park Julia Madeline Phoon also Psychology Benjamin Zachariah Pierce Caroline Grace Preziosi Utkarsh Singh Rajawat Jon-Paul Edward Reed Shannon Kane Romig also Spanish Allison Claire Schingel also History Alexis C. Sears Ayesha Ahmad Shibli also English Olivia Meyer Shumaker Jesse B. Shuman John Brendan Sweeney also Political Science Mary C. Turner also History of Art Kineta Perschino Wahl Olivia Marin Weese Kaye Rosaline Weinstein* Elaina Guin Whitesell Nicola R. Willoughby also Film and Media Studies

DIVISIONAL CEREMONIES INFORMATION

MONDAY, MAY 22

The G.W.C. Whiting School of Engineering Graduate Ceremony was held Monday morning at Royal Farms Arena. Patrick M. Antkowiak, corporate vice president and chief technology officer of Northrop Grumman, was the speaker.

The Zanvyl Krieger School of Arts and Sciences Master's Degree Ceremony was held Monday afternoon at Royal Farms Arena. Documentary filmmaker Tamara Rosenberg was the speaker.

TUESDAY, MAY 23

The School of Education Diploma Ceremony was held Tuesday morning at Royal Farms Arena. Mark Shriver, president of Save the Children Action Network, was the speaker.

The Carey Business School Graduation Ceremony was held Tuesday morning at the Joseph Meyerhoff Symphony Hall. John G. Rice, vice chairman of General Electric, was the speaker.

The Peabody Institute Graduation Ceremony was held Tuesday morning in the school's Friedberg Concert Hall. Violinist Hilary Hahn was the speaker.

The School of Medicine Convocation Ceremony was held Tuesday afternoon at the Joseph Meyerhoff Symphony Hall. Ronald R. Peterson, president of Johns Hopkins Health System and executive vice president of Johns Hopkins Medicine, was the speaker.

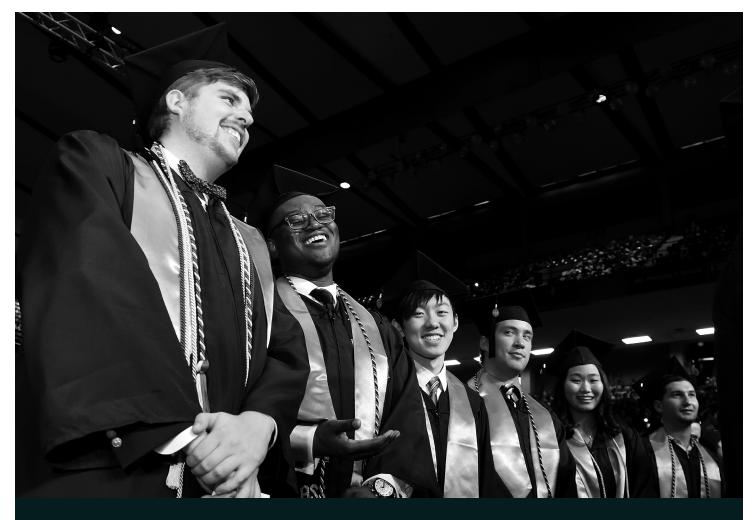
The Bloomberg School of Public Health Convocation Ceremony was held Tuesday afternoon at the Royal Farms Arena. Seth Berkley, CEO of Gavi, The Vaccine Alliance, was the speaker.

The G.W.C. Whiting School of Engineering and Zanvyl Krieger School of Arts and Sciences Doctoral Hooding Ceremony was held Tuesday afternoon in Shriver Hall on the Homewood campus. Kristina Giannotta, branch head of Histories, Naval History and Heritage Command, was the speaker.

THURSDAY, MAY 25

The Paul H. Nitze School of Advanced International Studies Diploma Ceremony is at 11 a.m. on Thursday in DAR Constitution Hall, 1776 D Street NW, Washington. Darren Walker, president of the Ford Foundation, will be the speaker.

The School of Nursing Graduation Ceremony is at 11 a.m. on Thursday in Shriver Hall on the Homewood campus. Martha Hill, former dean of the school, will be the speaker.



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