

Conferring of Degrees at the Close of the 132nd Academic Year

Johns Hopkins University

May 22, 2008 9:15 a.m.



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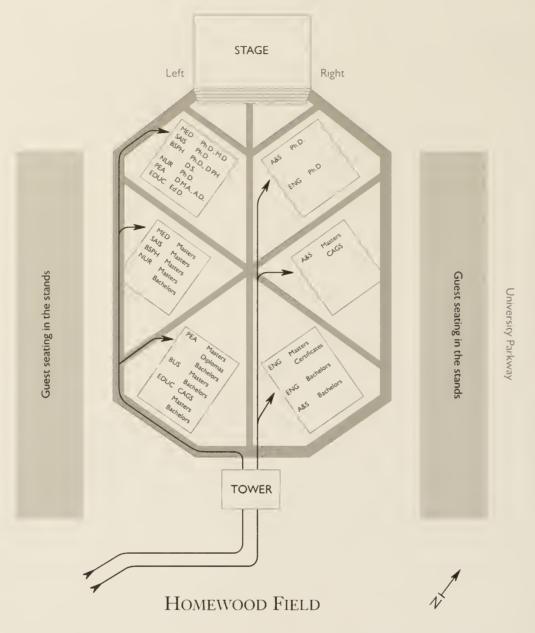
Candidates for Degrees35

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

Photos of graduates can be purchased from Homewood Imaging and Photographic Services (410-516-5332, homewoodphoto@jhu.edu). Videotapes and DVDs can be purchased from Northeast Photo Network (410-789-6001).

We appreciate your cooperation!

GRADUATES SEATING



Order of Seating Facing Stage (Left)

Doctors of Philosophy and Doctors of Medicine – Medicine
Doctors of Philosophy – Advanced International Studies
Doctors of Philosophy, Doctors of Public Health, and Doctors of Science – Public Health
Doctors of Philosophy – Nursing
Doctors of Musical Arts and Artist Diplomas – Peabody
Doctors of Education – Education
Masters – Medicine
Masters – Advanced International Studies
Masters – Public Health
Masters and Bachelors – Nursing
Masters, Certificates, Performance Diplomas and Bachelors – Peabody
Masters, Certificates and Bachelors – Business
Masters, Certificates and Bachelors – Education

Order of Seating Facing Stage (Right)

Doctors of Philosophy – Arts & Sciences Doctors of Philosophy – Engineering Masters and Certificates – Arts & Sciences Masters and Certificates – Engineering Bachelors – Engineering Bachelors – Arts & Sciences

ORDER OF PROCESSION

Marshals

Jason Adsit	Frank Masci
Nicholas Arrindell	Roger McMacken
Bruce Barnett	Joshua Reiter
Edward Bouwer	Cynda Rushton
Marc Donohue	Edyth Schoenrich
Jonah Erlebacher	Jae-Jung Suh
Richard Giarusso	James Weiss
Eduardo Gonzalez	Susan Forscher Weiss
Janice Hoffman	Kenneth Yook
Thomas Koenig	

The Graduates

Takeru Igusa

Marshals Richard Milter

The Faculties

Joshua Else

Robert Spiller

Officers of the University The Trustees Members of the Society of Scholars The Deans

Marshals

Chief Marshal Douglas Hough

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

Order of Events

William R. Brody President of the University, presiding

PRELUDE

The Festival Brass

PROCESSIONAL

The Festival Brass

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

> Festive Marches George Frideric Handel (1685–1759)

The National Anthem of the United States of America

Performed by Betsy Bates, Peabody '08

GREETINGS Pamela P. Flaherty Chair of the Board of Trustees

GREETINGS

James A. Miller Jr. President of The Johns Hopkins Alumni Association

PRESENTATION OF NEW MEMBERS OF THE SOCIETY OF SCHOLARS

Mary D. Barkley Arthur L. Beaudet Lisa A. Carey David C. Kaslow Muin J. Khoury Andrzej Kowalczyk Elizabeth J. Perlman Sally Perreault Darney Kornelia Polyak Stephen J. Qualman John Joseph Ricotta Robert A. Rizza Shlomo Shinnar Peter S. Ungar Teresa Lyn Wright

PRESENTED BY

Kristina M. Johnson Provost and Senior Vice President for Academic Affairs

CONFERRING OF HONORARY DEGREES George Bunting Ethel Ennis Robert Fischell Raymond A. "Chip" Mason William S. "Bill" Nye*

*to be presented at the Zanvyl Krieger School of Arts and Sciences and the G.W.C. Whiting School of Engineering Undergradnate Diploma Ceremony this afternoon

> ADDRESS William R. Brody President of the University

MUSICAL INTERLUDE

Bravura March C. E. Duble arr. Jari A. Villanueva, Peabody graduate

CONFERRING OF DEGREES ON CANDIDATES

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 Bachelors of Arts in Applied Mathematics and Statistics Bachelors of Arts in Biomedical Engineering Bachelors of Arts in Computer Science Bachelors of Electrical Engineering Bachelor of Mechanical Engineering

PRESENTED BY Nicholas P. Jones Dean, The G.W.C. Whiting School of Engineering

Bachelors of Science in Molecular and Cellular Biology Bachelors of Science in Physics Bachelors of Arts

PRESENTED BY Adam F. Falk James B. Knapp Dean The Zanvyl Krieger School of Arts and Sciences

> Bachelors of Music Performer's Certificate

PRESENTED BY Jeffrey N. Sharkey Director; The Peabody Institute

Bachelors of Science

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

Bacbelors of Liberal Arts Bacbelors of Science Graduate Certificates Masters of Business Administration Masters of Science Post-Master's Certificate

PRESENTED BY Yash Gupta Dean, The Carey Business School

Bacbelors of Science Graduate Certificates Masters of Arts in Teaching Masters of Science Post-Master's Certificates

PRESENTED BY Ralph Fessler Dean, The School of Education

Masters of Science in Nursing Masters of Science in Nursing/Masters of Business Administration Masters of Science in Nursing/Masters of Public Health

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

Graduate Performance Diplomas Masters of Music Masters of Arts PRESENTED BY Jeffrey N. Sharkey Director, The Peabody Institute

Masters of Science Masters of Health Science Masters of Public Health Masters of Public Health/Masters of Business Administration

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

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

PRESENTED BY Jessica P. Einhorn Dean, The Paul H. Nitze School of Advanced International Studies

> Masters of Science Masters of Arts

PRESENTED BY Edward D. Miller Frances Watt Baker and Lenox D. Baker Jr. Dean of the Medical Faculty Graduate Certificates Master of Arts Masters of Chemical and Biomolecular Engineering Masters of Civil Engineering Masters of Environmental Engineering Masters of Materials Science and Engineering Masters of Mechanical Engineering Masters of Science Masters of Science Post-Master's Advanced Certificates

PRESENTED BY Nicholas P. Jones Dean, The G.W.C. Whiting School of Engineering

Certificates in Biotechnology Enterprise Certificates in Homeland Security Masters of Arts Masters of Fine Arts Masters of Science Masters of Science in Bioinformatics Masters of Science in Bioscience Regulatory Affairs Masters of Science in Biotechnology Masters of Science in Environmental Sciences and Policy Masters of Arts in Applied Economics Masters of Arts in Communication in Contemporary Society Masters of Arts in Government Masters of Arts in Writing Masters of Liberal Arts Masters of Science in Biotechnology / Masters of Business Administration Masters of Arts in Government / Masters of Business Administration

> PRESENTED BY Adam F. Falk James B. Knapp Dean The Zanvyl Krieger School of Arts and Sciences

Doctors of Education

PRESENTED BY Ralph Fessler Dean, The School of Education

Doctors of Musical Arts Artist Diplomas

PRESENTED BY Jeffrey N. Sharkey Director, The Peabody Institute

Doctors of Philosophy

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

Doctor of Science Doctors of Public Health Doctors of Philosophy

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

Doctors of Philosophy

PRESENTED BY Jessica P. Einhorn Dean, The Panl H. Nitze School of Advanced International Studies Doctors of Medicine Doctors of Philosophy

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

Doctors of Philosophy

PRESENTED BY Nicholas P. Jones Dean, The G.W.C. Whiting School of Engineering

Doctors of Philosophy

PRESENTED BY Adam F. Falk James B. Knapp Dean The Zanvyl Krieger School of Arts and Sciences

> RECIPIENTS' NAMES READ BY Jennifer Elisseeff

RECESSIONAL

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

> MUSIC PROVIDED BY The Festival Brass

DIVISIONAL CEREMONIES INFORMATION

The School of Nursing Baccalaureate Diploma Ceremony is today at 2:30 p.m., at the Lyric Opera House, 140 West Mount Royal Avenue in Baltimore. Leslie Mancuso, president and CEO of Jhpiego, is the speaker. A reception will follow the ceremony.

The Paul H. Nitze School of Advanced International Studies Diploma Ceremony is at 3 p.m. this afternoon at Constitution Hall, 18th and D Streets NW, Washington, D.C. Robert B. Zoellick, 11th chief executive of the World Bank, is the speaker. A reception at the Nitze School follows the ceremony.

The Zanvyl Krieger School of Arts and Sciences and the G.W.C. Whiting School of Engineering Undergraduate Ceremony is at 1:45 p.m. this afternoon on Homewood Field. William S. Nye, aka Bill Nye the Science Guy, is the speaker.

The Zanvyl Krieger School of Arts and Sciences Master's Ceremony is at 10 a.m. on Friday, May 23, on Homewood Field. Anne O. Krueger, economist and professor of international economics at the Nitze School of Advanced International Studies, is the speaker. A reception follows immediately in the Robert Scott Gymnasium, Ralph S. O'Connor Recreation Center. Ph.D. recipients from Arts and Sciences and their guests are also welcome.

The School of Medicine Diploma Ceremony is at 2:30 p.m. this afternoon at Meyerhoff Symphony Hall at Cathedral and Preston Streets in Baltimore. Dr. Peter Beilenson, current Howard County health officer and former Baltimore City health commissioner, is the speaker.

The Carey Business School Graduate Ceremony is this afternoon at 2:30 p.m. in Shriver Hall. A. B. "Buzzy" Krongard, former executive director, Central Intelligence Agency, and former chief executive officer and chairman of the board, Alex. Brown & Sons, is the speaker. A reception will follow for graduates and their guests.

The Carey Business School Undergraduate Ceremony is this evening at 7 p.m. in Shriver Hall. Anirban Basu, chairman, chief executive officer of Sage Policy Group, is the speaker. A reception will follow for graduates and their guests.

The Peabody Institute Diploma Ceremony is at 7:30 p.m. this evening in Friedberg Concert Hall at the Institute. Sir Ken Robinson is the speaker.

The School of Education Undergraduate and Graduate Diploma Award Ceremony (*except Ed.D.'s*) is at 7:30 p.m. this evening on Homewood Field. Camilla Benbow, dean of education, Vanderbilt University's Peabody College, is the speaker. A reception in the Ralph S. O'Connor Recreation Center immediately follows the ceremony.

The Bloomberg School of Public Health Diploma Ceremony was held yesterday afternoon. Nobel laureate Peter Agre, professor of molecular microbiology and immunology and director of the Johns Hopkins Malaria Research Institute, was the speaker.

The G.W.C. Whiting School of Engineering Graduate Diploma Ceremony was held yesterday evening. Jeong Kim, university trustee and president of Bell Laboratories Alcatel-Lucent, was the speaker.

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 have served at least a year at Johns Hopkins and thereafter gained marked distinction elsewhere in their fields of physical, biological, medical, social or engineering sciences or in the humanities and for whom at least five years have elapsed since their last Johns Hopkins affiliation. The Committee of the Johns Hopkins Society of Scholars, whose members are equally distributed among the academic divisions, elects a limited number of scholars from the candidates nominated by the academic divisions with postdoctoral programs. The scholars are invested at the time of Commencement or a similar occasion. At that time, they are presented with a certificate and a medallion on a black and gold ribbon to be worn with their academic robe.

There are currently 521 members in the Johns Hopkins Society of Scholars.

The following listing of the Society of Scholars members elected in 2008 is accompanied by a short description of their accomplishments at the time of their election to the society.

Mary D. Barkley Cleveland, Obio

A visiting professor in the Department of Biology from 1980 to 1981, Dr. Barkley is now a recognized leader in biophysical chemistry. As the M. Roger Clapp University Professor of Arts and Sciences at Case Western Reserve University, she investigates the structure and dynamics of biological macromolecules, believing that a better understanding of protein function will lead to improved drug therapies. In particular, her research on the flexibility of DNA has led to computation studies and new physical measurements. Dr. Barkley's current work on the AIDS and hepatitis C viruses is having a major impact in the field. She has actively participated in the Biophysical Society and has been instrumental in identifying and promoting young scientists and increasing the scientific awareness of government representatives.

* Arthur L. Beaudet Houston, Texas

Now considered a pioneer in the applications of molecular genetics to human disease, Dr. Beaudet was an intern and resident in the Department of Pediatrics from 1967 to 1969. From there, he has proceeded to develop and lead one of the most successful human genetics programs in the world. His accomplishments include key discoveries in several genetic disorders, including Angelman syndrome, Prader-Willi syndrome and autism. Dr. Beaudet's many honors include the March of Dimes/Colonel Harland Sanders Award for lifetime achievement in genetic sciences. He is currently the Henry and Emma Meyer Professor and chair of the Department of Human and Molecular Genetics at the Baylor College of Medicine.

Lisa A. Carey Chapel Hill, North Carolina

Dr. Carey is an associate professor of medicine and director of the multidisciplinary University of North Carolina Breast Cancer Center. She has worked closely with colleague Charles Perou to harness the power of microarray technology for recognizing and tailoring treatment for molecular subtypes of breast cancer. Dr. Carey's study was described in a 2006 *Journal of the American Medical Association* article, which is one of the highest impact articles on breast cancer and health disparities published to date. She is the principal investigator of a large-scale multi-institutional trial to test new treatments for a basal subtype of breast cancer. From 1990 to 1997, she was a resident in the Department of Internal Medicine and a fellow in the Department of Oncology.

David C. Kaslow North Wales, Pennsylvania

A fellow in the Division of Pediatric Genetics from 1984 to 1986, Dr. Kaslow is currently vice president in the Division of Infectious Diseases and Vaccines at Merck Research Laboratories. Driven by his interest in the impact of malaria on global health, Dr. Kaslow founded the Malaria Vaccine Development Unit at NIH. He has applied tools originally created for gene therapy to vaccine development. Major contributions include the molecular cloning and characterization of proteins involved in the sexual development of the malaria parasite and development of several malarial vaccines. Dr. Kaslow also directed the research and product development that led to clinical trials for vaccines against anthrax, West Nile virus, influenza, HIV and cancer.

* Muin J. Khonry Atlanta, Georgia

Trained in both medicine and epidemiology, Dr. Khoury was an assistant professor in the Department of Epidemiology in 1986. During a distinguished career, Dr. Khoury has championed the field of public health genetics and the application of genomics to public health issues. Among the early genetic epidemiologists, he authored one of the first comprehensive textbooks on the subject, *Fundamentals of Genetic Epidemiology*. Beyond his many substantive research contributions, Dr. Khoury has led initiatives on genetics at the Centers for Disease Control and Prevention, serving since 1999 as the founding director of CDC's National Office of Public Health Genomics. He has used his role as a platform to advance the field of public health genetics within CDC and beyond. His accomplishments in this regard include the development of a key series of reviews on the genetics of human disease, the organization of numerous conferences to advance the field and a steady stream of scholarship on the topic, including the book *Human Genome Epidemiology*.

Andrzej Kowalczyk Torun, Poland

Dr. Kowalczyk is a major contributor in medical physics whose career was influenced by collaboration with physicians at the Johns Hopkins Medical Institutions. Trained in photophysics, Dr. Kowalczyk was a postdoctoral fellow in the Department of Biology from 1980 to 1981. While at Johns Hopkins, he collaborated with colleagues in the School of Medicine to use fluorescence spectroscopy to study respiratory distress syndrome. This experience completely changed the direction of his research efforts.

After returning to his native Poland, Dr. Kowalczyk became professor of physics at the Nicholas Copernicus University. He subsequently founded and now directs the medical physics group at the university's Institute of Physics. Dr. Kowalczyk has developed new optical methods for medical diagnosis, including techniques that use optical coherence tomography in ophthalmology.

* Elizabeth J. Perlman Chicago, Illinois

Pathologist-in-chief and head of the Department of Pathology at Children's Memorial Hospital in Chicago, Dr. Perlman is known internationally for her expertise in pediatric kidney tumors. Her genetic analyses of pediatric germ cell tumors have identified how they differ from adult tumors and have found distinct genetic subgroups within the pediatric primary germ cell tumors originating in the chest. Her ongoing research on pediatric renal tumors has shown that using molecular analyses can result in increasingly precise classification that will affect treatment decisions and outcomes. In 1999, the Society of Pediatric Pathology awarded Dr. Perlman its Harry B. Neustein Memorial Award in recognition of her research. Dr. Perlman received her postgraduate training from 1984 to 1990 at Johns Hopkins in the Pathology and Laboratory Medicine departments.

Sally Perreault Darney Research Triangle Park, North Carolina

After completing a postdoctoral fellowship in 1984 in the Division of Reproductive Biology in the Department of Population Dynamics, Dr. Perreault Darney joined the Environmental Protection Agency's Office of Research and Development. There she was charged with three tasks: to develop a research program to address modes of action of reproductive toxicants on sperm, eggs and fertility; to help craft EPA's Reproductive and Developmental Risk Assessment Guidelines; and to help revise multigenerational test guidelines. Since that time, she has completed those tasks and more, holding leadership positions of increasing responsibility at the agency, including chief of the Gamete and Early Embryo Biology Branch, director of the Reproductive Toxicology Branch and her current role as acting national program director for human health. Dr. Perreault Darney's research program has helped set both national and international research agendas and has had a significant impact on reproductive test guidelines and risk assessment paradigms, with a recent focus on emerging issues that include environmental endocrine disruptors, assessment of complex exposures and extrapolation of data from rodent to human.

Kornelia Polyak

Boston, Massachusetts

A research associate in the Kimmel Cancer Center and the Howard Hughes Medical Institute from 1995 to 1998, Dr. Polyak is presently an associate professor of medicine at the Dana-Farber Cancer Institute of the Harvard Medical School. She is at the forefront of studies using genomic approaches to study human breast cancer, with particular emphasis on early stage disease. She has been a pioneer in developing and applying several new methods to survey the human breast cancer genome, and her lab has identified specific oncogenes and tumor suppressor genes that play a role in breast cancer progression. The recipient of numerous awards, Dr. Polyak is especially well-known for her contributions in the interplay between genetic and epigenetic alterations in the tumor and its microenvironment.

Stephen J. Qualman Columbus, Ohio

With a long-standing interest in pediatric tumors, Dr. Qualman is a national authority on the pathology of childhood cancer. His singular contribution to medical research has been the establishment in 1991 of the Biopathology Center of the Cooperative Human Tissue Network. From a small beginning, Dr. Qualman's subsequent research convinced the National Cancer Institute of the value of providing pediatric tumor specimens to medical researchers. He has proceeded to develop the premier tumor repository in the country, expanding the center to include the Children's Cancer Group Biopathology Center, the Childhood Survivor Study Pathology Center and, since 2000, seven additional tumor banks. On average, the Biopathology Center distributes 15,000 biospecimens annually to approximately 200 researchers. Dr. Qualman was an intern and resident in the Department of Pathology from 1979 to 1983. Today, he holds the Richard M. and M. Elizabeth Ross Endowed Chair in Pediatric Research and is vice chair of the Pediatric Pathology Branch at the Columbus Children's Research Center.

John Joseph Ricotta Stony Brook, New York

Dr. Ricotta is an internationally and nationally known vascular surgeon who received his postdoctoral medical training in the Department of Surgery from 1973 to 1980. A true scholar, he is considered a world authority on the treatment of combined carotid and coronary disease and is a leader in the area of carotid stent trials. In his career thus far, Dr. Ricotta has trained 24 residents in his research lab as well as 15 vascular surgery fellows. He has been invited as a visiting professor to numerous institutions around the country and has served as president of the Eastern Vascular Society, the Society for Clinical Vascular Surgery and the Western New York Vascular Society. A member of the American Board of Surgery, Dr. Ricotta is currently professor and chair of the Department of Surgery and program director of general surgery at the School of Medicine and Biomedical Sciences at the State University of New York at Stony Brook.

Robert A. Rizza Rochester, Minnesota

Since completing his internship and residency in the Department of Medicine in 1976, Dr. Rizza has focused his research efforts on investigating glucose metabolism in diabetic and nondiabetic individuals. His work has resulted in groundbreaking scientific contributions, including an increased understanding of how specific hormones, substrates, insulin delivery routes and medical conditions regulate insulin action and glucose metabolism. Dr. Rizza has defined the mechanisms the human body uses to defend against and recover from hypoglycemia. He has developed practical approaches and tested the effectiveness of "intensive insulin therapy," now considered by many to be the standard of care for type 1 diabetes, and has also provided new insights into the mechanisms of existing and novel therapies for type 2 diabetes mellitus. His goal is to produce rational, effective methods for preventing and treating diabetes mellitus and its associated complications. Dr. Rizza is the Earl and Annette R. McDonough Professor of Medicine and executive dean and director of research at the Mayo Clinic College of Medicine.

* Shlomo Shinnar

Bronx, New York

After earning a doctorate in neurophysiology, Shlomo Shinnar was an intern, resident and fellow in the Department of Pediatrics and a resident and fellow in the Department of Neurology. He left Johns Hopkins in 1983 to embark on what would become a distinguished career in epilepsy research. Currently he is a professor of pediatrics, epidemiology and population health and the Hyman Climenko Professor of Neuroscience Research at the Comprehensive Epilepsy Management Center at the Montefiore Medical Center of the Albert Einstein College of Medicine. Dr. Shinnar's contributions to the body of knowledge of febrile seizures and pediatric epilepsy have changed our understanding and management of these conditions and set the standard for epidemiologic research in the field. A prolific author and frequent lecturer, he is a leader in the field of pediatric epilepsy, and at the Child Neurology Society and the Epilepsy Branch of the National Institutes of Health. The American Epilepsy Society has honored his substantial work with its Research Recognition Award.

* Peter S. Ungar Fayetteville, Arkansas

A young scholar who was a postdoctoral fellow in the Department of Cell Biology and Anatomy from 1992 to 1993, Dr. Ungar has already established himself as one of the top physical anthropologists in the world. Now a professor of anthropology at the University of Arkansas, he has done paleontological fieldwork on virtually every continent. He has also studied primate behavior and ecology in Central and South America and Indonesia. Dr. Ungar's research efforts are focused on an improved understanding of the behavior of our earliest ancestors. To make this possible, he has pushed data analyses to new levels, using techniques such as GIS analysis to plot fossil sites in 3D and creating new technologies, including the combination of scanning confocal microscopy and fractal analysis, to gain critical insights into the origins and evolution of human diet. In the process, Dr. Ungar has tested the assumptions underlying present-day fossil interpretations and has revolutionized our understanding of the mechanisms of human evolution.

Teresa Lyn Wright Pleasanton, California

A noted expert on liver disease and viral hepatitis, Dr. Wright is chief medical officer and vice president of Roche Molecular Systems. As professor of medicine at the University of California at San Francisco and chief of the Gastroenterology Section at the San Francisco Veterans Administration Center, Dr. Wright was one of the first physicians to alert the medical community to the problem of hepatitis C infection among liver transplant patients and individuals with HIV. In recognition of her considerable achievements, she was elected to the Association of American Physicians in 2002. In that same year, Prince Andrew made her an officer in the Order of the British Empire for "her brilliant research in pioneering therapies that have saved hundreds of lives." In 2005, she was president of the American Association for the Study of Liver Diseases. Dr. Wright was an intern and resident in the Department of Medicine from 1979 to 1982.

HONORARY DEGREES

GEORGE L. BUNTING JR.

It is largely thanks to your leadership and vision that Johns Hopkins Medicine developed a governance structure that has helped to preserve its eminence in research, teaching and patient care.

You became a Johns Hopkins Hospital trustee in 1982 and joined the board of The Johns Hopkins University three years later. You were elected to the Johns Hopkins Health System Corporation board upon its creation in 1986. When the Johns Hopkins Medicine board was formed in 1996 to unify the strategic directions of the Health System and the School of Medicine, your perspective and broad experience made you the natural choice to serve as its first chair.

Under your guidance, Johns Hopkins Medicine undertook important initiatives, including the acquisition of Howard County Health System and the development of Johns Hopkins Medicine International. You oversaw the establishment of a significant clinical presence at Green Spring Station. You shepherded the development of new cancer center buildings, including the Bunting Blaustein Cancer Research Building, a very public symbol of your family's commitment to a cure.

A longtime national leader in business, you have also been a stalwart of Baltimore's civic community, providing board service and leadership for the Abell Foundation, the Baltimore Community Foundation and the Maryland Institute College of Art, among others.

George L. Bunting Jr., in gratitude for your vigorous and steadfast commitment to the community, and especially for your leadership at our institutions, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *bonoris causa*.

ETHEL ENNIS

You were once called "one of jazz's best kept secrets," though your magnificent voice, astonishing artistry, powerful performances and celebrated recordings are far from undisclosed here in your hometown.

Growing up in Baltimore, you captured the jazz world's ear with a 1955 album released with a classic title: *Lullaby for Losers*. Before long, you were touring with Benny Goodman and, over the course of a bravura career, performing with the likes of Duke Ellington, Louis Armstrong, Count Basie, Wynton Marsalis and Ray Brown.

Your stirring rendition of the National Anthem at the presidential inauguration of 1973 is widely recognized as having legitimized the a cappella performance of the anthem on formal occasions. It was your exquisite solo projects, however, that earned you permanent residence in the jazz pantheon. Your debut album was followed over the decades by such classics as 1964's *This is Ethel Ennis*, 1998's *If Women Ruled the World* and 2005's brilliantly titled *Ennis Anyone*?

You have always remained a Baltimore resident. Touring relatively rarely and resisting pressure to relocate for the sake of your career, you have insisted that "you can bloom where you're planted." Baltimore is the soil that nurtured you, and you have indeed bloomed here. And you have given so much to our city in return.

Ethel Llewellyn Ennis, an artist, local hero and national treasure once called "my kind of singer" by Frank Sinatra, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

ROBERT E. FISCHELL

You once described invention as a gift, a special ability to "see" elegant solutions in the same way that composers "hear" magnificent melodies. With more than 150 patents to your credit, there can be no doubt that you possess that gift and have used it to save lives.

Your creative contributions include an implantable insulin pump for diabetics and important devices for people with heart disease: a rechargeable pacemaker and improved versions of implantable defibrillators and arterial stents.

Your path to these achievements began with a modest upbringing in the Bronx as the son of Russian immigrants. In 1959, you launched a stellar 38-year career at the Johns Hopkins Applied Physics Laboratory, first as a space scientist and later as a medical device inventor. Your accomplishments were recognized with a U.S. Inventor of the Year award and induction into the Space and Technology Hall of Fame and the National Academy of Engineering.

You retired from APL in 1997 but have hardly slowed down. In recent years, you have poured ideas and energy into new inventions and the founding of several medical device companies, often in collaboration with your sons. You have also provided generous support to biomedical engineering education and medical research.

Robert E. Fischell, for your noble use of your gift of invention on humanity's behalf, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *bonoris causa*.

RAYMOND A. MASON

Your career trajectory is bound to inspire the Class of 2008: Just four years after earning your bachelor's degree in 1958, you were handpicked by investors to build a brokerage firm from the ground up. Today, Legg Mason & Co. manages nearly \$1 trillion in assets worldwide.

But your life's work is far greater than the worth of your company's portfolio. As your star was rising in finance, so was your steadfast dedication to causes close to your heart, especially excellence in education. As chair of the Maryland Business Roundtable for Education, you have spent years advocating for improved achievement in public schools. You also have worked to generate corporate giving to parochial schools serving the inner city.

Johns Hopkins, where you joined the Board of Trustees in 1987, is blessed to be the beneficiary of your time and good fortune. As chairman, you helped oversee a transformational rebuilding of the East Baltimore campus and the creation of the first new quadrangle at Homewood since the original campus plan. Appropriately, the cornerstone of that quad is Mason Hall. It is a testament to your vision and that of your wife, Rand, for a gateway connecting city and campus that would be worthy of a university dedicated to bringing knowledge to the world.

Raymond A. "Chip" Mason, for a lifetime devoted to service, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *bonoris causa*.

WILLIAM NYE

It's a safe bet that many of our science and engineering majors had their young imaginations fired up by fast-paced, amusing and informative episodes of *Bill Nye the Science Gny*. In the 1990s, when today's graduates left *Sesame Street* and wandered out of *Mr. Rogers' Neighborhood*, your alter ego welcomed them to Nye Labs for Emmy-winning entertainment that enlightened and inspired.

Your knack for demystifying the difficult became evident in high school when you tutored fellow students in math. After Cornell University, you designed aircraft systems at Boeing and won a Steve Martin look-alike contest, for a time pursuing parallel careers in technology and comedy. The two tracks eventually merged in the "Science Guy," allowing you to serve society by making science accessible.

In recent years, you have continued to convey the wonder of science through books and on television while also inventing, teaching at Cornell and serving on the board of the Planetary Society. You've provided vigorous support for NASA missions, including the New Horizons voyage to Pluto, managed by the Johns Hopkins Applied Physics Laboratory. You, and we, are proud of another important tie to this university: Your late father was a Johns Hopkins alumnus.

William Nye, in recognition of your outstanding success in fostering scientific literacy as an educator, entertainer and public advocate, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *bonoris causa*.

THE UNIVERSITY MACE

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

THE PRESIDENTIAL INSIGNIA

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

ACADEMIC GARB

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

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

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

Dark blue—Philosophy	
Light blue—Edncation	White—Arts and Letters
Green—Medicine	Pink—Mnsic
Salmon pink— <i>Public Health</i>	Purple—Law
Orange—Engineering	Apricot—Nursing
Gold-yellow—Science	Tan—Business

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

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 Technologycardinal red, gray New York University—*purple* Northeastern University-red, black Northwestern University-purple, white Ohio State University-red, 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

AWARDS

Schools of Arts and Sciences, Engineering, Nursing, Medicine and The Peabody Couservatory of Music

LOUIS SUDLER PRIZE IN THE ARTS For excellence in the creative arts. Awarded to *Anita Sivaraman*

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

AMERICAN CONCRETE INSTITUTE AWARD The American Concrete Institute recognizes an undergraduate student for outstanding mastery of the design and analysis of reinforced concrete structures. Awarded to Zachary James Rosswog

THE AMERICAN INSTITUTE OF CHEMICAL ENGINEERS AWARD FOR SCHOLASTIC ACHIEVEMENT Awarded to the Chemical and Biomolecular Engineering students with the highest scholastic standing after the sophomore year. Jointly awarded to Amy Fu Dennis Ko Nisarg Shab Pei Kun Richie Tay Michael Zhang

THE AMERICAN LEGION GENERAL MILITARY LEADERSHIP AWARD Awarded to an ROTC cadet who is in the top 25 percent of his or her academic classes, and demonstrates outstanding qualities in military leadership, discipline, character and citizenship. Awarded to *Christopher Leon Cottrell* ROBERTO R. ARELLANO AWARD For excellence in writing by a Writing Seminars undergraduate. Awarded to *Sarah Trndgeon*

LOUIS AZRAEL FELLOWSHIP IN COMMUNICATIONS For demonstrated excellence in a field of mass communications. Awarded to *Jaclyn Wallenmeyer*

JAMES F. BELL AWARD Presented by Kevin Hemker for outstanding undergraduate research and scholarly achievement in Mechanical Engineering. Awarded to *Julie Ann Blumreiter*

BIOMEDICAL ENGINEERING DISTINGUISHED SERVICE AWARD For outstanding service to the academic community. Jointly awarded to Suraj Jay Kabadi Jeffrey Lin Robert Gregory Rasmussen Ravy Kuppalapal Vajravelu Charlotte Chen, 2009 Nicolas Evoy, 2009 Christina Long, 2010 Tanmay Manobar, 2010

LUCIEN BRUSH AWARD For outstanding academic achievement in Environmental Engineering by a graduating senior. Jointly awarded to *Jasmine Theresa Serlemitsos Carol Anne Zuerndorfer*

EUGENIO AND PATRICIA CASTILLO AWARD To the best first- or second-year student in Economics. Awarded to *Weifeng Wu* CHEMICAL AND BIOMOLECULAR ENGINEERING UNDERGRADUATE RESEARCH AWARD For demonstrated contributions to research in Chemical and Biomolecular Engineering. Jointly awarded to Joseph Thomas Abatemarco Jeremy Phillip Harris Sunyia Hussain Thomas Joseph Long Nisarg Shab George Stern Pei Kun Richie Tay

CIVIL ENGINEERING AWARD For outstanding achievement by a graduating senior for academic excellence, leadership and service in the Department of Civil Engineering. Awarded to *Blair Anne Johnson*

CIVIL ENGINEERING FACULTY AWARD Given to a senior for outstanding service and academic achievement in the Department of Civil Engineering. Awarded to *Ying Guan*

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 and is presented at graduation. Awarded to Sara Jessica Ginsberg

COMPUTER SCIENCE OUTSTANDING SENIOR AWARD To a senior Computer Science major for academic excellence, leadership and service in Computer Science. Awarded to *Crystal Tze-Ying Cheung* CRFEL FAMILY TEACHING ASSISTANT AWARD Teaching assistants play a key role in undergraduate education and this award recognizes their effort, enthusiasm, and contribution to the undergraduate program of the Mechanical Engineering Department. Awarded to *Alican Demir*

EVANGELIA DAVOS PRIZE Awarded annually to the Classics major or minor whose work in Greek studies has been outstanding. Awarded to *Rebecca Hofman Gordon*

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

Patrick Michael Meaney

THE FEDERAL RESERVE BANK OF RICHMOND EXCELLENCE AWARD

This award, from the Baltimore Branch, recognizes a graduating senior who has demonstrated a high level of academic success in the study of economics. Awarded to *Shishir Sharma*

ROBERT GEORGE GERSTMYER AWARD For outstanding undergraduate achievement in Mechanical Engineering. Jointly awarded to *Kyle Kellogg Azevedo Christopher Salvatore Dorbian John Kegelman* THE CPT JONATHAN D. GRASSBAUGH MEMORIAL **SCHOLARSHIP** Established in 2008, in memory of Ion Grassbaugh, a member of the class of 2003 and a graduate of the Army ROTC program. On April 7, 2007, Jon was killed by a roadside bomb in Zaganiyah, Iraq, during his second deployment with the 82nd Airborne Division. This award is presented annually to a junior or senior who displays the same academic excellence, athletic prowess, and demonstrated selfless service that Jon embodied every day of his short life. Awarded to Joseph Andrew Henderson

G. STANLEY HALL PRIZE For outstanding achievement by an undergraduate in Psychology. Awarded to *Umesb Meyyappan Venkatesan*

BRUCE HAMILTON AWARD To the graduate student in the Department of Economics who has exhibited the best performance in research workshops. Awarded to *Yonatan Ben-Shalom*

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 *Nikeeta Kbetan*

JACOB H. HOLLANDER PRIZE For excellence in writing by a Writing Seminars undergraduate. Awarded to Stepbanie Wei-Ju Chan

THE THREE ARTS CLUB OF HOMELAND AWARD For excellence in writing by a Writing Seminars undergraduate. Awarded to *Patrice Marie Hutton* WILLIAM II. HUGGINS AWARD For outstanding scholarship and service by a senior in the Electrical and Computer Engineering Department. Jointly awarded to Daniel Matlin Mitchell John Williams Jr.

RICHARD J. JOHNS AWARD For outstanding academic achievement in Biomedical Engineering. Jointly awarded to *Kibyuk Hong Terrence Ricbard Jao Suraj Jay Kabadi Carmen Kut Jai Madbok Shengyong Ng*

JOSEPH L. KATZ AWARD Awarded to Chemical and Biomolecular Engineering seniors for academic excellence and service to the department and fellow students. Jointly awarded to John David Bagert Jeremy Phillip Harris Omer Sedes Alexander Andrew Teran

DONALD E. KERR MEMORIAL MEDAL To the outstanding undergraduate major in Physics and Astronomy. Awarded to *Josbua Godfrey Cogan*

THE MARTIN AND MARY KILPATRICK PRIZE For outstanding achievement in Chemistry. Jointly awarded to Andrew Garrett McTammany Emma Antonina Morrison Jamal Nyame Shillingford

THE ALEXANDER KOSSIAKOFF Award

In recognition of outstanding graduate research accomplishment in Chemistry. Awarded to *Terry Catbopoulis* THE CENTER FOR LEADERSHIP EDUCATION COURSE ASSISTANT EXCELLENCE AWARD Selection for this award is based on student, faculty and staff evaluations and a clear, demonstrated commitment to supporting our programs and the courses we offer. Jointly awarded to *Jai Madbok* Dan Merzel, 2009

THE EUGENE LEAKE AWARD For outstanding achievement in Homewood Art Workshops. Jointly awarded to *Giovanti Nathaniel Davis Laura Kirsi Tuomanen Hill*

DANNY LEE AWARD For outstanding undergraduate research in Biomedical Sciences. Awarded to *Jaclyn Lim*

THE LEGION OF VALOR— BRONZE CROSS Awarded by the United States Army Cadet Command to top performing cadets on a national basis, who must display outstanding leadership, academic excellence, and leadership in the community. Awarded to *Camellia Louisa Hernandez*

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 *Patrick Kennedy*

THE GENERAL GEORGE C. MARSHALL LEADERSHIP AWARD Presented annually to the most outstanding MS4 cadet who clearly demonstrates the leadership and scholastic qualities that epitomize the career of General George C. Marshall. The late General Marshall served as the chief of staff of the Army and secretary of both state and defense. He was the author of the restorative Marshall Plan and was the only career soldier to be awarded the Nobel Peace Prize. Awarded to *Alexander Harris Jobuson*

MATERIALS SCIENCE AND ENGINEERING AWARD For outstanding academic achievement by a graduating senior in Materials Science and Engineering. Awarded to *Ryan Joseph Wade*

WILLIAM D. MCELROY AWARD For meritorious research conducted by an undergraduate in the Biological Sciences. Awarded to *Eleen Yee Lam Sbum*

MECHANICAL ENGINEERING GRADUATE ASSOCIATION (MEGA) AWARD Acknowledges the extraordinary contributions of the founding members of the Mechanical Engineering Graduate Association (MEGA), which fosters a strong sense of community that greatly enhances the experience of mechanical engineering graduate students at Johns Hopkins. Jointly awarded to Cody Brownell Vinutha Kallem Jusuk Lee **Tessica** Menlbroek Eatai Roth Sara Webster

MECHANICAL ENGINEERING

STUDENT INVOLVEMENT AWARD Recognizes significant leadership or achievement in extracurricular activities. Awarded to *Rajiv Neil Shenoy*

EMILY AND THOMAS MEREN SCHOLAR AWARD Established in 1998 in support of undergraduate students pursuing a BA/MS degree in Neuroscience. Jointly awarded to Wonjae Chung Christopher Lloyd Mancao Virginia Elaine Pearson David Yaron

THE DISTINGUISHED MILITARY GRADUATE HONOR Awarded by the United States Army Accessions Command. Students who rank in the top 20 percent of the National Order of Merit List for leadership, athleticism, academic excellence, and community leadership. This spring, JHU will commission nine cadetsfour of them received this national honor, demonstrating the outstanding caliber of our ROTC program. Jointly awarded to Alexander Harris Johnson Joseph Andrew Henderson Camellia Louisa Hernaudez James McMaster Sheffield

THE MILITARY ORDER OF FOREIGN WARS LEADERSHIP AWARD Awarded to a cadet who has demonstrated exceptional dedication to leadership excellence. Awarded to James McMaster Sheffield

THE MILITARY ORDER OF THE PURPLE HEART Award is given to a cadet in the top 25 percent of the ROTC program who has demonstrated outstanding leadership abilities. Awarded to John Joseph Kealy

THE PROFESSOR OF MILITARY SCIENCE TROPHY Awarded to a member of the graduating class who is recognized by the PMS for his/her demonstrated leadership ability and outstanding achievement. Awarded to Christopher Leon Cottrell

CHARLES A. MILLER AWARD Awarded by the Mechanical Engineering Department for outstanding undergraduate achievement. Awarded to Tsahai Katerri Phillip

MICHAEL J. MUUSS RESEARCH AWARD

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

Awarded to Carmen Kut

NATIONAL SOCIETY OF THE DAUGHTERS OF THE AMERICAN **REVOLUTION (NSDAR) MEDAL** To a member of the graduating class who excels academically, is rated in the top 20 percent of both their platoon and company in ROTC advanced camp evaluation scores, is active in campus activities and athletics, and demonstrates outstanding leadership. Awarded to Elisa Lee

THE NATIONAL SOJOURNERS MEDAL

Awarded to a cadet who is in the top 25 percent of their academic class and has demonstrated the ideals of Americanism by deed and conduct along with showing a potential for outstanding leadership. Awarded to Meagan Elizabeth Sophie McClellan PRESIDENT'S COMMENDATION FOR ACHIEVEMENT IN THE ARTS Awarded to Hernán José del Aguila

THE PRESIDENT'S SABER Awarded to the Senior ROTC cadet who has made the most significant contribution to the ROTC battalion and reflects those leadership characteristics required of an officer. Awarded to Alexander Harris Johnson

THE PRESIDENT'S TROPHY Awarded to an outstanding ROTC graduating senior cadet for significant contributions to the ROTC program. Awarded to Joseph Andrew Henderson

ROBERT B. POND SR. ACHIEVEMENT AWARD Awarded to the graduating senior in the Department of Materials Science who best exemplifies Robert Ponds' commitment to scholarly and humane values. Awarded to Nicole Halley Romano

OUTSTANDING SENIOR AWARD IN PUBLIC HEALTH STUDIES For academic excellence. leadership and service in public health. Jointly awarded to Lindsay Kennedy Brown Andrew Ellis 7affe Rishi Paul Mediratta Adam Jeraldo Milam Souia Sarkar

MOST DISTINGUISHED THESIS IN PUBLIC HEALTH STUDIES For academic excellence, leadership and service in public health. Awarded to Brian Thomas Kalish THE CURT P. RICHTER AWARD IN BEHAVIORAL BIOLOGY RESEARCH In recognition of outstanding achievement in the David S. Olton Behavioral Biology Program. Jointly awarded to Sarah Jill McKenney Blaine Thomas Phillips

THE SARAH AND ADOLPH ROSEMAN ACHIEVEMENT AWARD In recognition of outstanding accomplishment in Chemistry. Awarded to Andrew Rosenthal

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

Harmonie Ai-Vi Sahalov

GERARD H. SCHLIMM AWARD Awarded to an undergraduate student for exceptional accomplishments in the field of civil engineering. As a longtime senior lecturer and director of the Part-Time and Special Programs at the Whiting School of Engineering from 1966 to 1994, the late Dr. Schlimm made many contributions to the education of future engineers. Awarded to Lisa Rose Winter

JULIAN C. STANLEY AWARD For the undergraduate Psychology major who most closely approximates Dr. Stanley's personal and professional standards of excellence. Awarded to Arin Samantha Tuerk 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. Jointly awarded to *Kerry Anna Rose* Jamie Lynn Rosenow

DOLORES AUBREY SULLIVAN AWARD IN PUBLIC POLICY Presented to the Master of Arts in Public Policy students who best exemplify Dee's indomitable' spirit, unfailing dedication to excellence, and the Institute's mission to bring the best information to bear on public policy problems. Jointly awarded to Ami Dinubbai Patel Jessica Leigh Ziegler

THE SUPERIOR CADET AWARD Presented by the Department of Military Science to the most outstanding student in each year of the ROTC program. Cadets must be active in ROTC activities, strong leaders and students, and involved in athletics and other community activities. Awarded to *Camellia Louisa Hernandez*

J.J. SYLVESTER AWARD For outstanding achievement by a senior in Mathematics. Jointly awarded to Joshua Godfrey Cogan Mary Kathleen Kemp

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. Jointly awarded to Julia Marie Dixon Jonathan William Smits Michelle Lynu Zwernemann Leyla Isik, 2010 Yoshiaki Sono, 2010 James Wang, 2010 Shrivats Iyer, 2011 Kristine Sarnlertsophon, 2011 Tony Ye, 2011 Hang Zhang, 2011

THE UNITED STATES AUTOMOBILE ASSOCIATION SPIRIT AWARD Awarded to a cadet who is in the top 10 percent of their ROTC class and top 25 percent of their academic class, and has demonstrated unwavering commitment, selfless service, and exceptional loyalty to the advancement of the Blue Jay Battalion and whose leadership has greatly contributed to advancing the standing of military science at the Johns Hopkins University. Awarded to Camellia Louisa Hernandez

LOY WILKINSON AWARD For demonstrated record of academic excellence, leadership, and service in Chemical and Biomolecular Engineering by a graduating senior. Jointly awarded to *Shirley Leong Gwendolyu Sue Melnyk*

The Carey Business School

BACHELOR OF SCIENCE IN INTERDISCIPLINARY STUDIES AWARD For outstanding academic endeavors in the undergraduate programs. Jointly awarded to *Donald B. Arnold Vanessa Williams* DEAN'S AWARD FOR SUSTAINED EXCELLENCE Awarded to Kristina McCampbell

DELTA SIGMA PI SCHOLARSHIP KEY For the highest grade point average in the undergraduate program. Awarded to *Sherri Leeann Ori*

INFORMATION SYSTEMS AWARD Awarded to an undergraduate with the highest grade point average in the field of information systems. Awarded to David Rudich

STEGMAN AWARD Presented to students who graduate with a 4.0 grade point average and receive a master's degree. Jointly awarded to Elan Abutboul Manu Aneja Stephen Cosenza Cari Endicott Daniel Fritchman Sheetal Gore Divya Harrison 7ill Nissan Feremy A. Ornstein **7**ennifer Pena Rachelle Pestikas David Ragland Robert Paul Roca Joseph Schriefer II Maria Soriano Sara Tench Ashley Varner Suyapa Velasquez

WALL STREET JOURNAL STUDENT ACHIEVEMENT AWARD For outstanding scholarship in the undergraduate programs and exceptional promise of future success. Awarded to *Mabvash Ahmed*

The School of Education

AL THORMEYER AWARD Awarded to *Ann S. Adams*

DIANE TOBIN MEMORIAL AWARD Awarded annually to an outstanding alumna/us in education and to an outstanding student. Awarded to *Tyffany L. Mandov*

PUBLIC SAFETY LEADERSHIP AWARD Awarded to *William Francis Walsh*

The School of Medicine

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 Kaisorn Lee Chaichana, 2007–2008

THE HENRY STRONG DENISON SCHOLARSHIP The Henry Strong Denison Fund for Medical Research in memory of Henry Strong Denison, M.D., 1908, is used for the specific purpose of aiding in the training for research of young people deemed by the medical faculty to be especially gifted for a career in medical investigation. Awarded to Kaisorn Lee Chaichana, 2006–2007, 2007–2008 THE PAUL EHRLICH RESEARCH AWARDS

The Paul Ehrlich 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. Jointly awarded to Kaisorn Lee Chaichana, 2006-2007 Steven 7effrey Eliades, 2006-2007 Elias Bassam Issa, 2007-2008 Young Kwon, 2006-2007 Andrei Dumitru Sdrulla, 2007-2008 Jason Dennis Shepherd, 2005-2006

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 intererst in and commitment to geriatric medicine and gerontology among medical students. Awarded to Ariel Rnth Green, 2007-2008

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 *Yefei Han*, 2007–2008

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 this 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. Jointly awarded to Daniel Ari Bendor, 2005–2006 Adam Lncas Hughes, 2006-2007

THE MARTIN AND CAROL MACHT RESEARCH AWARD The Martin and Carol Macht Research Award is presented 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. Jointly awarded to *Christa M. Brawley*, 2005–2006 *Qiaojie Xiong*, 2007–2008

THE FRANK H. NETTER, M.D. MEMORIAL SCHOLARSHIP IN MEDICAL ART The medical illustrator Frank H. Netter, M.D., 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 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 he exhibited throughout his career. Winners of this award have excelled in their academic courses; displayed exceptional art expression; and most importantly utilized both resources to create well-designed and effective didactic illustrations. Awarded to *Ikumi Kayama*, 2006–2007

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 M.D. and Ph.D. degrees from the Johns Hopkins University. Awarded to

Curtis Robert Chong, 2006–2007

THE ALICIA SHOWALTER **REYNOLDS RESEARCH AWARD** This award was created by the School of Medicine Dean's Office in 1996, to honor the memory of Alicia Showalter Reynolds, a Ph.D. student in the Department of Pharmacology and Molecular Sciences from 1992 until her untimely death in 1996. It is given in recognition of contributions to research undertaken by a Ph.D. candidate in the School of Medicine. Jointly awarded to Renée Nicole Domergue, 2006-2007 Bridget Todd Hughes, 2007-2008 Elaine Marie Youngman, 2005-2006

THE NUPUR DINESH THEKDI RESEARCH AWARD This award was established in 2002 to honor the memory of Nupur Dinesh Thekdi, an M.D./Ph.D. student in the School of Medicine from 1996 until his untimely death in 2001. The award was made possible by the generous contributions of his family and friends and is given to honor outstanding research contributions made by a student in the School of Medicine. Awarded to *Xin Dnan*, 2007–2008

WILLIAM H. WELCH AWARD The William H. Welch Award recognizes outstanding achievement in pathology by a second year medical student. Jointly awarded to *Han-Ying Peggy Chang*, 2005–2006 Nancy Li, 2005–2006

The School of Nursing

ACADEMIC EXCELLENCE AWARD To a student whose academic performance has been judged to be outstanding. Jointly awarded to *Luz Maria Cobarrabias Lyndsay Meredith Murray Jessica Miller Silver*

THE JOHNS HOPKINS NURSES' ALUMNI ASSOCIATION AWARD Recognizes a student whose leadership ability is combined with clinical competence and an inquiring mind. Jointly awarded to *Erica Marie Rinke Carrie Tudor*

THE JOHNS HOPKINS NURSES' ALUMNI ASSOCIATION AWARD To a graduate student demonstrating expertise in professional nursing practice and patientcentered health care delivery. Jointly awarded to *Christina Jean Banks Jill Antoinette Crank* EMMA JONES BECKWITH CULLEN AWARD In recognition of the highest standards of nursing practice and executive ability. Awarded to Serina Rosemarie Gbaba

CARDIOVASCULAR DISEASE PREVENTION AWARD To the graduate student who has demonstrated a strong commitment to the prevention of cardiovascular disease through excellence in nursing practice or research and sponsored by the Preventive Cardiovascular Nurses' Association. Awarded to *Tasba A. Beck*

THE CHURCH HOME AND HOSPITAL NURSING ALUMNAE AWARD Recognizes a student who best exemplifies a humanistic approach to nursing while integrating the art, science and the spirit of nursing. Jointly awarded to *Nicole Kristine Baur Sarah Geraghty Langford*

ELEANOR WADE CUSTER AWARD To a student who most successfully demonstrates initiative and creativity in improving the health of a community with sensitivity to one's fellowman. Jointly awarded to *Jeane Marie Garcia Clandine Marie Hennessey*

BETTY CUTHBERT AWARD To a student who demonstrates outstanding commitment and service to nursing and the Johns Hopkins University. Jointly awarded to *Marlon B. Caballero Antbony Tnandnc Pbo* SUE K. DONALDSON DISSERTATION AWARD For the outstanding Ph.D. dissertation in the School of Nursing. Awarded to *Anne II. Ontwater*

LEADERSHIP AWARD To a graduate nursing student demonstrating outstanding leadership in the field of nursing. Jointly awarded to *Jessica Eileen Dranghon Sara Ann Rocheford*

MARY AND GRAINGER MARBURG AWARD In recognition of a student who consistently exhibits outstanding clinical nursing expertise. Awarded to *Lnz Maria Cobarrubias*

ROBERT G. MERRICK AWARD To a student demonstrating outstanding leadership in the field of nursing. Awarded to *James Walter Kilpatrick*

RUTH DALE OGILBY AWARD In recognition of exceptional academic performance in the master's program. Jointly awarded to Suzanne M. Cowperthwaite Jennifer Mary Dapee Sonja Hayden Emerson

RESEARCH AWARD To a student demonstrating intellectual curiosity and creativity in nursing research. Awarded to *Cheryle Lyn Pearson*

EDNA SCHOEN MEMORIAL AWARD To a student demonstrating excellence in clinical practice. Jointly awarded to *Carrie Dean Rachel Perkins* SIGMA THETA TAU NU BETA CHAPTER AWARD To a graduate nursing student in recognition of superior academic achievement, creative scholarship and research. Jointly awarded to *Thomas A. Bernadzikowski Michelle Anne Patch*

THE SINAI NURSES' ALUMNAE ASSOCIATION OF SINAI HOSPITAL, INC. Recognizes a student who exhibits enthusiasm, compassion and a positive approach to problem solving in nursing. Jointly awarded to Anne Elizabeth Cavett Natalie Etienne

JOAN SUTTON AWARD To a student demonstrating a strong dedication to professional nursing, clinical excellence and interdisciplinary practice. Jointly awarded to *Maria Remedios Isabel Reyes Oasan Yvette Camille Pugb*

The Peabody Conservatory of Music

CLARA ASCHERFELD AWARD in Accompanying Awarded to *Daniel Butman*

BALTIMORE MUSIC CLUB PRIZE in Performance Jointly awarded to Adam Hopkins Yameng Wang

MARIAN B. AND SAMUEL BERNSTEIN MEMORIAL PRIZE in Opera Awarded to *Elizabeth Dow*

P. BRUCE BLAIR AWARD in Composition Awarded to *Charles Halka* PIIYLLIS BRYN-JULSON PRIZE for commitment to and performance of 20th/21st-Century Music Jointly awarded to Jessica Abel Sarah Hershman Bonnie Lander Michael Samma Kevin Wetzel

GEORGE CASTELLE MEMORIAL AWARD in Voice Jointly awarded to Jason Buckwalter Elizabeth Cooper Annie Gill Jillian Goldin Gabriel Henriques Ji Hynn Jang Ji Hee Kim Lena Leson Leab Serr Tasba Thomas Amanda Varrone

ISRAEL DORMAN MEMORIAL AWARD in Strings Jointly awarded to Jarvis Benson Miranda Blakeslee

CHARLES M. EATON PRIZE in Voice Awarded to Meghan Davis

ANITA ERDMAN AWARD in Opera Awarded to *Ji Ean Park*

PAULINE FAVIN MEMORIAL AWARD in Piano Jointly awarded to *Hsiao-Ying Chen hrwin Shang*

SIDNEY FRIEDBERG PRIZE in Chamber Music Awarded to *Miranda Blakeslee* RICHARD FRANKO GOLDMAN PRIZE in Performance Jointly awarded to David Garcia Mindy Heinsobn Edward Lonsinger Blake Meister Ynbing Wang

LILLIAN GUTMAN MEMORIAL PRIZE in Piano Awarded to *Estber Shin*

THE DR. AND MRS. WALTER EDWARDS JAMES AWARD in Music Theory Awarded to *Douglas Buchanan*

BRITTON JOHNSON MEMORIAL PRIZE in Woodwinds: Flute Awarded to *Elena Yakovleva*

JOSEF KASPAR AWARD in Strings: Violin Awarded to *Andrea Picard*

GUSTAV KLEMM AWARD in Composition Awarded to *Brian Cbristian*

LILLIAN MANN PRIZE in Voice Awarded to *Caitlin Fischer*

ROSE MARIE MILHOLLAND AWARD in Piano Awarded to Jung Min Lee

OUTSTANDING CITIZEN AWARD Awarded to *Benjamin Peck*

OTTO ORTMANN AWARD in Composition Awarded to *Matthew Diamond*

MAY AND MARTIN RAILA MUSIC EDUCATION AWARD Awarded to *Cara Salveson* HAROLD RANDOLPH PRIZE in Performance Awarded to *Gobar Vardanyan*

GRACE CLAGETT RANNEY PRIZE in Chamber Music Jointly awarded to Sookkyung Cho Jessica Tong

GULEN F. TANGOREN, M.D., AWARD FOR VOCAL EXCELLENCE Awarded to *Adam Caughey*

MELISSA TILLER MEMORIAL PRIZE in Strings: Violin Awarded to *Hollis Roberts*

J.C. VAN HULSTEYN AWARD in Strings: Violin Jointly awarded to Jessica Blackwell Ilya Dobrovitsky Abreum Kim Jessica Tong Jobn Xia

OLGA VON HARTZ OWENS MEMORIAL PRIZE in Strings Awarded to *Kyle Augustine*

ANNIE WENTZ PRIZE in Voice Awarded to *Brian Pettey*

FRANK D. WILLIS MEMORIAL PRIZE in Composition Awarded to *Douglas Bucbanan*

GEORGE WOODHEAD PRIZE in Voice Jointly awarded to Betsy Bates Julian Ledford Peter Lee Andrew Sauvageau

The Bloomberg School of Public Health

DE BEERS AFRICAN HEALTH SCHOLARS To outstanding Master of Public Health students from Africa. Jointly awarded to James Ignas Babati Tade Koola Mpbo Sadie Mogodi

THE ANONYMOUS ENDOWED SCHOLARSHIP FUND To outstanding medical students pursuing an Master of Public Health degree. Jointly awarded to *Megan Elizabetb Brooks Hanna Betb Lemerman*

J. HOWARD BEARD FELLOWSHIP To an outstanding student pursuing a career in local or state public health work. Awarded to *Elizabetb Kirsten Laverriere*

THE DAVID AND PATRICIA BERNSTEIN SCHOLARSHIP To an outstanding Master of Public Health student. Awarded to *Scott Evan Hadland*

THE TRUDY BUSH FUND To an outstanding Master of Health Science student specializing in women's health. Awarded to *Victoria Lynn Handa*

THE JEAN COOMBS FUND To an Epidemiology doctoral student whose dissertation research focuses on cancer or childhood diseases. Awarded to *Konstantinos K. Tsilidis*

JANE AND STEVE DYKACZ ENDOWMENT FUND IN MEDICAL STATISTICS To a student whose research fosters biostatistical research and practice to advance our understanding of human health and disease. Awarded to *Wenyi Wang* THE REED FROST SCHOLARSHIP To a Master of Public Health student who shows exceptional ability and promise. Jointly awarded to *Sbikbar Agarwal Scott Evan Hadland David Joseph Heller Angela Diane Lashober Snsan M. Moodie Robyn C. Neblett*

THE HOWARD C. AND JANE R. GOODMAN FUND To an outstanding Master of Public Health student. Awarded to *Susan M. Moodie*

THE HAROLD AND SYLVIA HALPERT ENDOWMENT FUND To recognize achievement and potential to contribute to the field of mental health. Awarded to *Briana Meznk Ratliff*

THE C. ESTHER AND PAUL A. HARPER AWARD IN POPULATION AND FAMILY HEALTH SCIENCES To a graduating student in Population and Family Health Sciences to recognize academic excellence and achievement. Jointly awarded to *Angela Marie Bayer Davida E. Becker Steven Alan Coben*

THE RICHARD J. AND MARGARET CONN HIMELFARB STUDENT SUPPORT FUND To an outstanding doctoral student with a medical degree interested in the epidemiology of diabetes.

Awarded to Joachim Bleys

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 David Joseph Heller THF JOHN C. HUME FUND To a Master of Public Health student with demonstrated academic excellence and professional promise. Awarded to *Shikhar Agarwal*

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

THE HARRY D. KRUSE FELLOWSHIP IN NUTRITION To an outstanding doctoral candidate in nutrition and public health. Awarded to *Joachim Bleys*

KAZUYOSHI KAWATA FUND IN SANITARY ENGINEERING AND SCIENCE To an outstanding student in the sanitary engineering program. Awarded to *Sharon Pate Nappier*

THE PAUL V. LEMKAU SCHOLARSHIP FUND To an outstanding student in the Department of Mental Health who has made a significant difference within the department. Awarded to *Krista Dowling*

THE MARGARET MERRELL FUND To a Biostatistics doctoral student in recognition of outstanding research. Awarded to *Yue Yin* THE MARCIA G. PINES AWARD IN BIOETHICS AND PUBLIC HEALTH To recognize the best student paper in bioethics and public health. Awarded to *Jacquinean Asetsop*

THE WATT/HANSELL ENDOWMENT To support cross-training at the School of Public Health and the School of Medicine. Jointly awarded to Denise S. Mnschett Anabel Rniz

THE ROBERT D. AND HELEN S. WRIGHT FUND To recognize the potential for improving the public health in Africa. Awarded to *Abdnlgafoor Mahmoo Bachani*

DR. CHUN HUI YEN & WANG PEI YEN SCHOLARSHIP FUND To a student from Taiwan or China with demonstrated academic excellence and financial need. Awarded to *Xiaodong Susan Xu*

THE JOHN P. YOUNG MEMORIAL FUND To an outstanding Master of Health Science student in Health Finance and Management. Awarded to *Branko Kolvek*

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

MAX M. FISHER EXCELLENCE IN TEACHING PRIZE This prize honors the late Max M. Fisher who was an advisor to U.S. presidential administrations for decades on Middle East policy. The Max M. Fisher Excellence in Teaching Prize is awarded each year at commencement to one SAIS professor selected by the graduating class. Awarded to *Melissa Thomas*

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. Jointly awarded to *Jonathan Bartolozzi Alexander Schratz*

CHRISTIAN A. HERTER ACADEMIC AWARD To a member of the second-year class with the most outstanding record during the first three semesters. Awarded to *Joshna White*

HONOR SOCIETIES

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 2008

Sarah Rachel Adams Marina Avetisyan Heejin Bae Ariana Simone Barkley Jessica Moore Begans Robert Brookman Stephanie Ann Carr Steffi Julia Cerato Iris Li Chan Kevin Zou Chang Edmund Boren Chen Tahsin Choudhury Joshua Godfrey Cogan Yan Cui Rachel Lauren Cylus Margaret Jeanne Deli Andrew Harrison Dolinko Kristina Marie Eipl Ashley Marie Ferranti Brian Andrew Fisher Michael Gennaro Flowers Sara Jessica Ginsberg Mikhail Mikhailovich Gorbounov Rebecca Hofman Gordon Mary Therese Gorski William John Gostic II Matthew E. Hansen Miyako Elizabeth Hayakawa

Sarah Remsen Hogan Rwo-Wen Huang Allison Michele Ivans Maryam Jelvani Andrew Baxter Joyce Brian Thomas Kalish Benjamin Rory Kallman Rvan Stewart Kealv Patrick R. Kennedy Hvung Woo Kim Tae Hwan Kim Thomas Paul Koenigs Yolanda Chuck-Yan Lau Aaron Michael Lazorwitz Janet Seung-Yun Lee Jin Hua Lee Kyung Jung Lee Samuel Carno Leifer Jaclyn Lim Peter Jason Lipman Lucy Hsinlu Liu Adam S. Lovett Emma Elizabeth Mann-Meginniss Julienne Bokor Markel Theodore Ioannis Markou Bobby Varghese Mathew Andrew Garrett McTammany James Redding Medford Rishi Paul Mediratta Chandrani Mondal Zachary Nathaniel Moor Vivek Krishna Murthy Jeffrey Thomas Neal Daisy Nie Daria Igorevna Nikolaeva Brian Michael Orr Iason Michael Paluzzi Birju Suresh Patel Velislava Petkova Petkova **Blaine Thomas Phillips** Jacqueline Lee Pipino Phoebe Wyndham Quin Eric T. Roberts Elizabeth Rachel Romanow Kerry Anna Rose Jay B. Sahgal Allyson Christine Seger Ketan Sharma Shishir Sharma Amy Elizabeth Sheeran Keith Staskiewicz Arin Samantha Tuerk Umesh Meyyappan Venkatesan Syed Ahmer Wasim Elizabeth Gray Wehrly Eric Howard Wexler Justine Kirby Wiesinger John Ray Yarbrough Jr.

FROM THE SENIOR CLASS IN THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES ELECTED IN 2007

Jennifer Jung-In Ahn Charles Magannig Boyle Jennifer Dara Dein Cindy Fei Ajay Naren Gurbani Sarah Jyoung Hahn Nikeeta Khetan Emma Antonina Morrison Viet Dang Nguyen Jamal Nyame Shillingford Tao Yue Zhu

FROM THE SENIOR CLASS IN THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES ELECTED IN 2006

Travis Gosa Elcin Unal

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

Yu-Ching Cheng Cheuk Yan (Joyce) Cheung Ling Shi Wenyi Wang

FROM THE PAUL H. NITZE SCHOOL OF ADVANCED INTERNATIONAL STUDIES

Nicholas Brechbill Tatiana Gulnik Joseph Ho Bruce Kenneth Jones Anna Yukhananov

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

Brian Michael Cohee

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

Eric Nystrom Una Park Supratim Ray Melissa Anne Wright

Beta Beta Beta Biological Honor Society Johns Hopkins University, Rho Phi Chapter

Dina KiYoung Baik Ariana Simone Barkley Stephanie Ann Carr Edmund Boren Chen Tahsin Choudhury Mikhail Mikhailovich Gorbounov William John Gostic II Camellia Louisa Hernandez Jenifer Brooke Kaplan Jaclyn Lim Bing Yan Lin Lisa Dan Lin Lucy Hsinlu Liu Nicole Marie Malandro Chandrani Mondal Daisv Nie Daria Igorevna Nikolaeva Ashwini Mysore Niranjan Brenton Henry Pennicooke Anupamaa Jan Seshadri Shishir Sharma Anita Sivaraman Marianne Strazza David C. Tomich Nancy Jane Tray Laura Yun Yi Tsang Vincent Michael Tupper Hanano Watanabe Arifuz Zaman Samra Elisabeth Zelman Zhengyang Zhang

Pi Sigma Alpha, the National Political Science Honor Society

Pi Sigma Alpha is the only honor society for college and university students of government in the United States. It was founded in 1920.

Natalie Cheryl Baer Harpreet Singh Bhatia Charles Magannig Boyle Bettina Sabine Buck Paul Vincent Buonaguro Julia Cheung Livy Marion Coe IV Carleigh Alexandra Connelly Morgan Jacobs Dumont Andrew Thomas Gerba II Aditi Pooja Jain Alexander Harris Johnson Andrew Baxter Joyce Nikeeta Khetan Amanda Lauren Klein Maura Catherine Lillis Rachel Sigardson Poor Jessica Ann Rebarber Diane Aimee Shrewsbury Paola Lucia Tinta **Opal** Tsai Jamen Elizabeth Tyler Cassandra May Vogel Syed Ahmer Wasim Thomas Christopher Weatherall Judy Hung-Jing Yang Stephanie Tao-Hsin Yu

Woodrow Wilson Undergradnate 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:

Marina Avetisyan Elspeth Catherine Ayers Berry Michelle Ann Brown Ajav Naren Gurbani Miyako Elizabeth Hayakawa Patrick R. Kennedy Nina Keyvan Jordan Franklin Libowitz Maura Catherine Lillis Sophie Lu Rishi Paul Mediratta Virginia Elaine Pearson Anita Sivaraman Nancy Jane Tray Syed Ahmer Wasim Benjamin Adam Wilson

Tan Beta Pi National Engineering Honor Society

Joseph Thomas Abatemarco Kyle Kellogg Azevedo John David Bagert Peter David Becht Julie Ann Blumreiter Brian Matthew Bubnash Ross Andrew Burns Prashanth Somayajulu Challa Kryt Chattrabhuti Bryce Chiang Jounhong Ryan Cho Patrick Sean Connell David J. Corrigan Pavan Jayant Dalal Andrew Thomas Dolan Christopher Salvatore Dorbian Jeremy Phillip Harris Kihyuk Hong Sunyia Hussain Julnar Emily Issa Terrence Richard Jao Suraj Jay Kabadi Lindsay Morgan Kranker Carmen Kut Lynn Lee

Shirley Leong Jeffrey Lin Joshua Yoshio Liu Thomas Joseph Long Jai Madhok Shengyong Ng Jennifer Jean Petsche Tsahai Katerri Phillip Mary Ellen Pozo Robert Gregory Rasmussen Nicole Halley Romano Johnny Chen-Yang Sang Rodell Tolentino Santuray **Omer Sedes** Jasmine Theresa Serlemitsos Scott Eric Sutherland Makibi Alexander Takagi Pei Kun Richie Tay Alexander Andrew Teran Ravy Kuppalapalle Vajravelu Ryan Joseph Wade Jean Jiejing Wang Mitchell John Williams, Jr. Lisa Rose Winter Joseph Nicholas Wood Vincent Wu Yiyu Zhao Carol Anne Zuerndorfer

Upsilon Pi Epsilon

The International Honor Society for the Computing and Information Disciplines was founded at Johns Hopkins University in 1999 to recognize academic excellence at both the undergraduate and graduate levels.

The following members of the graduating class have been elected to Upsilon Pi Epsilon:

Crystal Tze-Ving Cheung Rodwitt Hansin Lai Jonathan Elijah Lasko Eric Howard Ngeo Jonathan Cole Strode Tushar NandkumarThole (Mitch) Allen Williams

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:

Hannah Haruko Alphs Mark Magdi Awad Allison Ruth Barker Christopher John Brady John Peter Campbell Han-Ying Peggy Chang Lia Ellen Clattenburg Iennifer Warner Dharamsi David Wesley Dowdy Steven Jeffrey Eliades Corinna Josephine Moore Afshan Amin Nanji Shantanu Nundy Romina Mariam Ma Wing Shan Wahab Gina Louise Westhoff Alice Shufeng Yao Amir Mozaffar Zamani

Delta Omega National Public Health Honor Society

Alison Gump Abraham Colleen Denise Acosta Rola Mustafa Alemam Abdulgafoor Mahmood Bachani Laura Elizabeth Baldassari Davida E. Becker Ruth Marie Belin Renata Hughes Benjamin Daniel Ralph Berg Virginia Leigh Barton Bowen Erica Christen Chapin Raquel Francine Charles Yong Chen Yu-Ching Cheng Rachel Ying Vun Chong Jeffrey Michael Gordon Collins Carmen Marie Coombs Meghan Frost Davis

Rachel Anne Barnes Dodge Charlotte Dolenz Sonja Hayden Emerson **Cyrus Engineer** Lilly Dhillon Engineer Naaz A. Fatteh Rebecca B. Fertziger Christina L. Fontecchio Edward Q. Garcia III Matilde Gonzalez-Flores Victoria Lynn Handa Chun-Ju Hsiao Maria J. Insua Heon-Jae Jeong LeeAnn Jones Catherine Jeanne Juillard Helen E. Kest Branko Kolvek John D. Kraemer Sara A. Kraner Jessica Tracy Lee Kyun Hee Lee Victoria Eun Hyung Lee Jennifer Ann Leigh Yun Lu Heather A. H. Lukolyo (Lawrence) Alison Dorval Lydecker Joanne Catherine Lysack Sana K. Malik Nisa Marisa Maruthur Cari Lynn Meinhold Nicole Elizabeth Messenger Karen Dilzer Milch Mary Elaine Morgan Debraj Mukherjee Marta I. Mulawa Husevin Naci Afshan Amin Nanji Melinda Margaret Neuhauser Geoffrey C. Nguyen Lillian Aaca Okui Ibironke Oluwaseun Olofin Ololade Abimbola Oseni Divya Paliwal Omid Pour-ahmadi Jamie Elizabeth Powers Briana Mezuk Ratliff Mona Rezapour Kara Rudolph Sonal Singh Deborah Susan Sitrin Tasanee Sarah Taylor Smith Anne Nicole Sosin Stephen Martin Sozio

James Brennan Spies Stephen Bradley Stake Andy Tan Lindi Tan Chinenye Ugoji Kirsten Siri Vannice Anit Vettukattil Wenyi Wang James Charles Welsh Katherine Inga Westphal Julia Whiteside-de Vos Kim Louise Wiebe Robert J. Wojciechowski Ting Hway Wong Marissa L. Pine Yeakey Wen-Chih Yu

Sigma Theta Tan International Honor Society of Nursing

The following doctoral students have been elected to Sigma Theta Tau:

Teresa Nellie Brockie Hwayun Lee

The following master's students have been elected to Sigma Theta Tau:

Laura E. Adler Holly L. Aspelmeier Virginia M. Baker Sallie Anne Brovitz-Palmer Suzanne M. Cowperthwaite Catherine Aileen Cox Lucia Diaz Kindall Louise Forrest Brad J. Gautney Lauren Nicole Gillis Margaret Ann Hamilton Kari Ryan Horne Kim Marie Jewett Sherri Emerson Jones Christina Buraporn Khaokham Greer Day Kneip Erin Therese Koman Leona Rose Mason Nicole S. Oswalt Megan Elizabeth Pape Julie Simpson Pertman Sarah Maria Sampson Elizabeth Scala Dauryne L. Shaffer

Po Ning Soo-Hoo Lauren Ann Stoian Monica Lynne Van Dongen Katherine Marie Winter

The following undergraduate students have been elected to Sigma Theta Tau:

Abigail Victoria Adams Claire Bernadette Alano Sarah Ellen Baker Hannah Louise Bampton Ashley Sarah Ann Beam Sheyanga Dilanjali Beecher Charles David Bellah Paula Souik Bizot Vera Elaine Carter Anne Elizabeth Cavett Amber Lee Yong Close Luz Maria Cobarrubias Gillian Patricia Condell Raina Ruth Crawford Emily Forrester Culver Christine Nicole Danielson Amy Bevin Dillon Kristen Marie Erekson Allison Graeme Fell Tiffany Marie Firko Christina Ann Franck Serina Rosemarie Gbaba Christine Leann Hankins Jeri Ryan Hanly Joyce Ann Heiderman Susannah Jane Hewlett Molly Katherine Holshouser Nicole M. Holuba Pamela Jane Homiak Emily Ruth Horback David Michael Hunter Berkley Louise Koester Gina Marie Kosek Jennifer Nicole LaConti Melissa Anne Latorra Amy Lee Nicole Diane Lollo Melanie K. Lukesh Jennifer Marie Marek Erin Marie Marsh Megan Kathleen Marx Mary Lauren McCartin Julianne Lyn McKeever Michelle Suzanne Milly Brian Daniel Miner Jesseca Marie Moon Kathleen Rebecca Moran Lyndsay Meredith Murray

Lisa Marie Nagy Elizabeth Ann Nelson Elizabeth Alice Noves Maria Remedios Isabel Reves Oasan Katy Lynn Olive Nancy Gayle Osborne Ada Jeanette Otter Caroline Elizabeth Outten Robin Ann Patch Jennifer Sarah Peacock **Rachel Perkins** Sucheep Piyasirisilp Heather Anne Poreda Yvette Camille Pugh Lauren Michelle Riner Abigail Elizabeth Savage Laura Olivia Schick Sarah Lindsey Schiller Tshikana Douglas Scott Megan Ann Katherine Shepter James Edward Small Jamie Marie Snyder Kristen Marie Sommer Paul Newell Spitz Amanda C. Staub Allison Rebecca Stitsworth Amanda Diane Tinucci Marilyn S. Tomich Amelia Ruthcarol Verdoes Tiffany Kirsten White Ashleigh Marie Wills Jonathan David Yoder

Honor Societies for The Carey Business School

Alpha Iota Mu Alpha Iota Mu is a national honor society established in 1995 for undergraduate and graduate students in information systems. It is sponsored by the International Academy for Information Management. Although many chapters have been established for undergraduate students, the Hopkins chapter is the first to focus specifically on graduate students in information systems. The purposes of the society are to confer distinction for academic excellence in information systems and professional or

academic leadership, and to promote closer affiliation between students, faculty, and practitioners in the field. Students who have completed 30 or more credits, are in the top 20 percent of their class, and who meet the national standards may be invited to be members.

The following members of the graduating class are members of Alpha Iota Mu:

Jennifer Bloomquist James Brent Leslie Burge James Carnes Mark Chang Shaun Cox Howard Davis Mark Dela Cruz Joseph Feaga Nathaniel Fish Joseph Frankiewicz Miyuki Graham Frank Hoev Nikkol C. Hunt **Richard Jacques** Christine Jung John Kalec Tamika D. Lee David Liu Cory Livingston Pamela Lumba Craig Martin Abraham Mauer James McLean Christopher Miller Peter Ryan Erich Schadle Anthony Snell Michael Stauffer Craig Swanson Imesh Wijewardena John Wimmer

Alpha Sigma Lambda

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

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

Donald Gene Arnold Patricia Rennie Tyrone Deneen Taborn Karen McLaughlin Troxell Vanessa E. Williams Amy S. Zimmerman

Delta Sigma Pi

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

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

Charelle Brown Simone Gittens Treena Greene Lalita Hamilton Beverly Miles James Rhoden Gabe Singer

STUDENT HONORS

General University Honors

General University Honors were determined at the end of March 2008, 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 2008 semester will have that notation placed on their final transcripts.

The Zanvyl Krieger School of Arts and Sciences

Baccalaureate Candidates Graduating with General Houors

Daniel Lee Adair Sarah Rachel Adams Nathan A. Adelman Jennifer Jung-In Ahn Angela Marianela Aldayuz Amil Hari Allen Brenna Kathryn Allen Sarah Elizabeth Allen Yousef Abbas Al-Refae Defne Elif Arslan Marina Avetisyan Heejin Bae Natalie Chervl Baer Dina KiYoung Baik Ariana Simone Barkley Alessandra Maria Barreiro Erica Bergen Barth Jonathan Kenneth Bateman Jessica Moore Begans Matthew John Benchener **Bradley Charles Berk** Elspeth Catherine Ayers Berry Harpreet Singh Bhatia Scott Brandon Bierbryer Amanda Ethel Bigaouette Daniel Joseph Bisers Clare Theisen Blubaugh Kyle Lynn Bonder Erin Canale Borek Charles Magannig Boyle Nicholas Justin Brechbill Andrew Taylor Briggs Lindsay Kennedy Brown

Michelle Ann Brown Bettina Sabine Buck Paul Vincent Buonaguro Maureen Alison Burns Esteban Buz Hweejo Byun Stephanie Ann Carr Steffi Julia Cerato Iris Li Chan Dannie Chang Kevin Zou Chang Johanna Ruth Chapin Edmund Boren Chen Victoria Shiu Ju Chen Julia Cheung Alyssa Yoorim Choi Tahsin Choudhury Christopher Andrew Chuang Wonjae Chung Gauthami Reddy Churukanti Holly Ann Clare Jaclyn Clark Joshua Godfrey Cogan Carleigh Alexandra Connelly Alexander Zachary Copelan Christopher Leon Cottrell Yan Cui Nancy Victoria Cushman Rachel Lauren Cylus Matthew Adrian Czekaj Carolyn Darling Davies Daniel Robert DeFrancisco Jennifer Dara Dein Margaret Jeanne Deli Maximillian Grant Dement Christina Grace Der Matthew Samuel Diamond Dylan Laird Diggs Andrew Harrison Dolinko Morgan Jacobs Dumont Andrew Chapin Seiler Dupree Alexandra Mogel Eager Kristina Marie Eipl Elizabeth Anne Eldridge Steven Andrew Farber Cindy Fei Jason Ira Feinberg Timothy Christopher Fermin Ashley Marie Ferranti Natalia Fijalkowski Brian Andrew Fisher Daniel Benjamin Fisher Samantha Campbell Flanzer

Michael Gennaro Flowers Annetta Joan Fotopoulos Mitchell Scott Frank Shiv Kamlesh Gandhi Bradley Nelson Garcia Julie Anne Garringer Zhuo Geng Salvatore Julius Gentile Jr. Andrew Thomas Gerba II Kara Joyce Gillis Sabreena Juliann Gillow Sara Jessica Ginsberg Mark Joseph Goldberg Rachel Joy Golden Noelani E. González Emily Margaret Goodman Mikhail Mikhailovich Gorbounov Rebecca Hofman Gordon Mary Therese Gorski William John Gostic II Melissa Elizabeth Grammer Cameron Elizabeth Granger Tatiana Gulnik Ajay Naren Gurbani Sarah Jyoung Hahn Amanda Elizabeth Hajjar Matthew E. Hansen Robert Lovette Harlow Andrew Neelis Harrington Javi Lauren Hartenstine Erica Marie Hartmann Miyako Elizabeth Hayakawa Amy Rebekah Hellman Andrei Victor Herescu Camellia Louisa Hernandez Lauren Mary Hill Daniel Joseph Hislop Joseph Yiu Jo Ho Sarah Remsen Hogan Allison Suzanne Hoy Beverly Ann Huang Rwo-Wen Huang Christopher John Hudson Yasmin Mansoor Husain Patrice M. Hutton Allison Michele Ivans Andrew Ellis Jaffe Aditi Pooja Jain Maryam Jelvani Alexander Harris Johnson Ryan Christopher Johnstin Bruce Kenneth Jones

Emily Anna Jones Andrew Baxter Iovce Brian Thomas Kalish Stephanie Antoine Kallab Benjamin Rory Kallman Josefine Taylor Kals Suh Yoon Kang Angela Kaon Jenifer Brooke Kaplan Igor Katsyv Ryan Stewart Kealy Patrick R. Kennedy Nikeeta Khetan Andrew Kim Angela Kim Hee-Jung Kim Hyung Woo Kim Tae Hwan Kim Katherine McLennan Kimball Jennifer Claire Kissiah Darya Alexandra Kizub Amanda Lauren Klein Angela Frances Koenig Jacob Max Koenig Thomas Paul Koenigs Rachel Allison Kolander Stephanie F. Kong David Anthony Kurz Eun-Kyung Mary Kwon Yuen-Ting Kwong Kathleen B. Langjahr Yolanda Chuck-Yan Lau Aaron Michael Lazorwitz Janet Seung-Yun Lee Jin Hua Lee Kevin Lee Kyung Jung Lee Se Ryeon Lee Su Min Lee Wan-Ching Lee Samuel Carno Leifer Jonathan James Leung Heather Li Maura Catherine Lillis Jaclyn Lim Lisa Dan Lin Stephanie Grace Lin Peter Jason Lipman Lucy Hsinlu Liu Mike H. Liu Adam S. Lovett Sophie Lu Meica Danielle Magnani

Gillian Tothill Maguire Nicole Marie Malandro Christopher Lloyd Mancao Andrew Withycombe Mann Emma Elizabeth Mann-

Meginniss Emma Cordts Marcucci Julienne Bokor Markel Theodore Ioannis Markou Aaron Daniel Martel Arash Alexander Massoudi Shanna Allison Matalon Bobby Varghese Mathew Meagan Elizabeth Sophie

McClellan Sarah Jill McKenney Andrew Garrett McTammany Brooke Ashley Meade Patrick Michael Meaney James Redding Medford Rishi Paul Mediratta Rebecca Lynn Messner Nicholas Joseph Meyer Scott Michael Meyers Abad Ulla Mian Alex David Michaels Eric A. Miller Nathan June-Hong Min Krisztina Moldovan Chandrani Mondal Derek Lee Monette Zachary Nathaniel Moor Emma Antonina Morrison Whitney Kamens Moss Scott Peterson Motejunas Vivek Krishna Murthy Jeffrey Thomas Neal Andrew Matthew Ng Viet Dang Nguyen Daisy Nie Daria Igorevna Nikolaeva Ashwini Mysore Niranjan Michael Patrick Normyle Ethan Wood Ogilby Catherine Whitney Oldenkamp Ionathan Bryce-Edward Olenczak Brian Michael Orr Martha Justine Paluch Jason Michael Paluzzi Sharon Pan Min Ku Park Tony Alexander Pastor Amisha Kirit Patel Birju Suresh Patel Virginia Elaine Pearson

Brenton Henry Pennicooke Laura Elizabeth Peralta Yuri Edward Peterkin Ann Peters Velislava Petkova Petkova Tammi-Marie Krystal Phillip Blaine Thomas Phillips Robert Michael Pietroforte lacqueline Lee Pipino Rachel Sigardson Poor David Poulose Phoebe Wyndham Ouin Roozbeh Niknian Razmpour Rafael Amado Reyna Pervinca Caterina Rista Salmah Yasmeen Rizvi Eric T. Roberts Kerry Anna Rose Hili Sara Rosen Nathaniel Levi Rosenblatt Christopher Robert Roxbury Natasha Valentina Sachs Jay B. Sahgal Jared Meyer Saletin Sonia Sarkar Corey Alexander Sattler Leona Austin Say Allison Elise Schnidman Anupamaa Jan Seshadri Supriva Ashok Shah Ketan Sharma Shishir Sharma Jamal Nyame Shillingford Diane Aimee Shrewsbury Irwin Yanwen Shung Serena Yan-Xing Shung Brady Alan Sieber Julie Melton Sihilling Meredith Julia Siller Vanessa Wagner Simmons Ellis Urban Singer Natasha Singh Allison Platt Smykal Danielle Christine Spengler. Keith Staskiewicz Gretchen Eva Stiteler Leanne D. Stunkel Hannah Suh Monika Hanna Szalewicz Vani Takiar Adit Lior Tal Aaron Tan Paola Lucia Tinta David C. Tomich Jose Gilberto Torrijos Stephanie Tow

Nancy Jane Tray Sarah Jill Trudgeon **Opal** Tsai Laura Yun Yi Tsang Arin Samantha Tuerk Laura Kirsi Tuomanen Hill Vincent Michael Tupper Jamen Elizabeth Tyler Umesh Meyyappan Venkatesan Nadja Alexandra Vielot Cassandra May Vogel Shannon Nicole Wadsworth Laura Vanessa Wagdalt Alexander Ted Puhk Wald Raffi Joe Wartanian Valdemar Luther Washington II Syed Ahmer Wasim Thomas Christopher Weatherall Colleen Patti Weeks Elizabeth Gray Wehrly David Weinstein Eric Howard Wexler Scott Keeler Wham Benjamin Adam Wilson Rebecca Eve Wolff Bonnie Wong You Meme Wu Jordan Ashley Wyndelts Muzhi Xu Judy Hung-Jing Yang John Ray Yarbrough Jr. David Yaron Brian Junghyun Yoo Edward J. Yoon Stephanie Tao-Hsin Yu Anna Yukhananov Shawn Zardouz Samra Elisabeth Zelman Zhengyang Zhang Serena Shunan Zhou Tao Yue Zhu

The G.W.C. Whiting School of Engineering

Baccalanreate Candidates Graduating with General Honors

Joseph Thomas Abatemarco David Santoso Anggakusuma Kyle Kellogg Azevedo John David Bagert Peter David Becht Joshua Aaron Blum Julie Ann Blumreiter

Matthew Lee Brubaker Brian Matthew Bubnash Andrew Elliott Burgess Ross Andrew Burns Prashanth Somayajulu Challa Ka Lam Amy Chan Kryt Chattrabhuti Pao-Lin Che Chun-Hsien Chen Jeffrey Randy Cheng Crystal Tze-Ying Cheung Bryce Chiang Patrick Sean Connell Pavan Javant Dalal Anna Gloria Devlin Andrew Thomas Dolan Christopher Salvatore Dorbian Brian Timothy Duddie Jeremy Alan Elser Stephen Robert Christopher Fedder Joel Gary Frankford Anne Marie Gatchell Gregory Douglas Gotimer Ying Guan Ryan Elliot Guerra Jeremy Phillip Harris Christopher Lee Hemmerle Kihyuk Hong Jason Ellis Hortiatis Julnar Emily Issa Terrence Richard Jao Suraj Jay Kabadi Lindsay Morgan Kranker Carmen Kut Benjamin H. Lee Lvnn Lee Shirley Leong Ioshua Adam Lerman Tjen Sin Lie Bing Yan Lin Eric Shih-Ing Lin Jeffrey Lin Joshua Yoshio Liu Jai Madhok Scott Michael Marks Matthew Alan McCarty Ryan Michael McLelland Brian Edward Miller Alexander Han-Chung Mo Shengvong Ng Henry Pao Jennifer Jean Petsche Tsahai Katerri Phillip Erik O. Phillips Jesse Kenneth Placone

Mary Ellen Pozo Harsha Kiran Prabhala Nikhil Ram Mohan Ravichandran Kadayam Ramakrishnan Dhanya Cumbum Rangaraj Robert Gregory Rasmussen Nikhilesh Ray-Mazumder Johnny Chen-Yang Sang Rodell Tolentino Santuray **Omer Sedes Jasmine Theresa Serlemitsos Jonathan William Smits** Scott Eric Sutherland Makibi Alexander Takagi Pei Kun Richie Tay Alexander Andrew Teran Kwadwo Edem Tettey Sarah Elizabeth Thompson Ravy Kuppalapalle Vajravelu Nikhil P. Vaze Ryan Joseph Wade Jean Jiejing Wang Mitchell John Williams Jr. Lisa Rose Winter Vincent Wu Linmiao Xu Yinfei Xu Hee Jae Yang Yiyu Zhao Carol Anne Zuerndorfer Michelle Lynn Zwernemann

The Carey Business School

Baccalaureate Candidates Graduating with General Honors

Mahvash Z. Ahmed Donald Arnold Katerina Jelinkova Sejal Mehta Sherri Leeann Ori Patricia Rennie David Rudich Maj Britt Simonsen Karen Troxell Tyrone Taborn Vanessa Williams Amy Basta Zimmerman

The School of Education

Baccalanreate Candidates Gradnating with General Honors

Roger Bergeron III Braden Bobbick Sheryl Cindric Brook Donovan Carla Lightsey Lisa Raum Cleveland Spruill Jr. William Walsh

The Zanvyl Krieger School of Arts and Sciences

Graduating with Departmental Honors

Sarah Rachel Adams, History of Art Amil Hari Allen, Nenroscience Brenna Kathryn Allen, International Studies Sarah Elizabeth Allen, International Studies Natalie Cheryl Baer, International Studies Erica Bergen Barth, Environmental Earth Sciences Jessica Moore Begans, Writing Seminars Elspeth Catherine Ayers Berry, Classics Akash Bhatnágar, Public Health Studies Amanda Ethel Bigaouette, Neuroscience Erin Canale Borek, Physics Charles Magannig Boyle, Political Science Michelle Ann Brown. Neuroscience Maureen Alison Burns, International Studies Esteban Buz, Cognitive Science Stephanie Ann Carr, Molecular and Cellular Biology Steffi Julia Cerato, History Iris Li Chan, Writing Seminars Stephanie Wei-Ju Chan, Writing Seminars Kevin Zou Chang, Neuroscience Edmund Boren Chen, Biology

Julia Cheung, International Studies Alvssa Yoorim Choi. Nemroscience Wonjae Chung, Neuroscience Holly Ann Clare, International Studies Livy Marion Coe IV, International Studies Joshua Godfrey Cogan, Physics and Mathematics Rachel Lauren Cylus, History Jennifer Dara Dein, Writing Seminars Margaret Jeanne Deli, History of Art and English Dylan Laird Diggs, Political Science Andrew Harrison Dolinko. **Biophysics** Alexandra Mogel Eager, Classics and Englisb Samuel Van Eichner, Political Science Kristina Marie Eipl, Neuroscience Samantha Michelle Engel, Cognitive Science Daniel Jose Escobar, Romance Languages and Literatures Sage Otelia Farrar, Spanish Cindy Fei, Political Science Annetta Joan Fotopoulos, Writing Seminars Alexander Friedman, Cognitive Science Julie Anne Garringer, Nemroscience Salvatore Julius Gentile Jr., Writing Seminars and Philosophy Sabreena Juliann Gillow, Neuroscience Mark Joseph Goldberg, International Studies Rachel Joy Golden, Cognitive Science Noelani E. González, Neuroscience Mikhail Mikhailovich Gorbounov, Molecular and Cellnlar Biology Rebecca Hofman Gordon, Classics William John Gostic II, Molecular and Cellular Biology

Melissa Elizabeth Grammer. Spanish Cameron Elizabeth Granger, French and Writing Seminars Ajay Naren Gurbani, Public Health Studies Sarah Jyoung Hahn, Nenroscience Amanda Elizabeth Hajjar, Interdisciplinary Studies Robert Lovette Harlow, Physics Erica Marie Hartmann. Molecular and Cellular Biology Miyako Elizabeth Hayakawa, German Lauren Mary Hill, Public Health Studies Joseph Yiu Jo Ho, Antbropology Sarah Remsen Hogan, French Beverly Ann Huang, Nenroscience Rwo-Wen Huang, Neuroscience Yasmin Mansoor Husain, Neuroscience Allison Michele Ivans. Writing Seminars and English Andrew Ellis Jaffe, Public Health Studies Aditi Pooja Jain, International Studies Maryam Jelvani, English Jacqueline Ellen Jennings, Writing Seminars Alexander Harris Johnson, Political Science Ryan Christopher Johnstin, History Bruce Kenneth Jones, International Studies Andrew Baxter Joyce, Spanish Seung Ho Jung, International Studies Brian Thomas Kalish, Public Health Studies Stephanie Antoine Kallab, International Studies and French Benjamin Rory Kallman, Neuroscience Josefine Taylor Kals, Writing Seminars Igor Katsyv, Neuroscience Patrick R. Kennedy, English, History of Art, and Writing Seminars Nikeeta Khetan, Political Science

Hasen Joseph Khudairi, Philosophy Tae Hwan Kim, International Studies Darya Alexandra Kizub, Public Health Studies Amanda Lauren Klein, **Political Science** Thomas Paul Koenigs, English and Writing Seminars Stephanie F. Kong, Neuroscience Sophie Rebecca Korn, Writing Seminars Steven Alexander Kornweiss, Neuroscience Yuen-Ting Kwong, Public Health Studies Kathleen B. Langjahr, History of Art and Writing Seminars Yolanda Chuck-Yan Lau, Neuroscience Jin Hua Lee, Cognitive Science Kyung Jung Lee, Neuroscience Se Ryeon Lee, Chemistry Su Min Lee, Neuroscience Teresa Lee, Writing Seminars Garrett Robert Leonard, Writing Seminars Michael James Levin, English Heather Li, International Studies Maura Catherine Lillis, Freuch Jaclyn Lim, Molecular and Cellular Biology Bing Yan Lin, Molecular and Cellular Biology Lisa Dan Lin, Molecular and Cellular Biology Mike H. Liu, Biology Yu Hsin Liu, Neuroscience Adam S. Lovett, History Sophie Lu, International Studies Gillian Tothill Maguire, History Christopher Lloyd Mancao, Neuroscience Andrew Withycombe Mann, **Pbysics** Emma Elizabeth Mann-Meginniss, International Studies Emma Cordts Marcucci, Physics Julienne Bokor Markel, Writing Seminars Theodore Ioannis Markou, Molecular and Cellular Biology Shanna Allison Matalon,

Neuroscience

Patrick Michael Meaney, Writing Seminars James Redding Medford, Physics Rebecea Lynn Messner, Writing Seminars Emma Antonina Morrison, Chemistry Whitney Kamens Moss, Spanish Laurel Elizabeth Murphy, Public Health Studies Vivek Krishna Murthy, Public Health Studies Jeffrey Thomas Neal, Neuroscience Jessica Leigh Nelson, History Ashwini Mysore Niranjan, Molecular and Cellular Biology Michael Patrick Normyle, French Ethan Wood Ogilby, Writing Seminars Catherine Whitney Oldenkamp, Neuroscience Jonathan Bryce-Edward Olenczak, Neuroscience Brian Michael Orr, Neuroscience Diana Marcela Pak, Psychology Birju Suresh Patel, Physics Virginia Elaine Pearson, Neuroscience Brenton Henry Pennicooke, Biology Velislava Petkova Petkova, International Studies Tammi-Marie Krystal Phillip, Environmental Earth Sciences Jacqueline Lee Pipino, Neuroscience Chantel Anella Priolo, History Farah Qureshi, Writing Seminars Robert Gregory Rasmussen, Neuroscience Rafael Andre Roberti, Italian Erie T. Roberts, History Elizabeth Rachel Romanow, Englisb and Spanisb Kerry Anna Rose, History of Art Christopher Robert Roxbury, Spanish Aisha Said Saber, Political Science Jav B. Sahgal, Neuroscience Jared Meyer Saletin, Psychology Jillian Bergen Saperstein, Writing Seminars

Sonia Sarkar, Public Health Studies Leona Austin Say, International Studies Allyson Christine Seger, English and Economics Ketan Sharma, Neuroscience Meredith Julia Siller, Cognitive Science Vanessa Wagner Simmons, History of Art Natasha Singh, Political Science Danielle Christine Spengler, Neuroscience Gretchen Eva Stiteler. Writing Seminars Leanne D. Stunkel, Biophysics Hannah Suh, Neuroscience Monika Hanna Szalewicz. International Studies Vani Takiar, Neuroscience and French Paola Lucia Tinta, French Stephanie Tow, Neuroscience Nancy Jane Tray, Molecular and Cellular Biology Sarah Jill Trüdgeon, Writing Seminars Opal Tsai, International Studies Laura Yun Yi Tsang, Molecular and Cellular Biology Arin Samantha Tuerk, Psychology Laura Kirsi Tuomanen Hill, History of Art Vincent Michael Tupper, Molecular and Cellular Biology Jamen Elizabeth Tyler, International Studies Chanont Vasoontara, Economics Lori Michelle Vislocky, French Jeffrey Robert Vlasic, History of Art Syed Ahmer Wasim, **Political Science** Thomas Christopher Weatherall, International Studies Elizabeth Gray Wehrly, International Studies and French Eric Howard Wexler. International Studies Jordan Ashley Wyndelts, Writing Seminars Judy Hung-Jing Yang, **Political Science** David Yaron, Neuroscience

Brian Junghyun Yoo, Neuroscience Stephanie Tao-Hsin Yu, International Studies and French Samra Elisabeth Zelman, Molecular and Cellnlar Biology

Graduates from the Honors Program in Humanistic Studies

Ashley Ferranti, B.A./M.A. Meica Magnani, B.A./M.A. Elizabeth Romanow, B.A./M.A. Alexander Folkenflick Annetta Fotopoulos Patrick Kennedy

The G.W.C. Whiting School of Engineering

Baccalanreate Candidates Graduating with Departmental Honors

Joseph Thomas Abatemarco, Chemical and Biomolecular Engineering Kyle Kellogg Azevedo, Mechanical Engineering John David Bagert, Chemical and Biomolecular Engineering Peter David Becht, Electrical Engineering Joshua Aaron Blum, Electrical Engineering and Computer Engineering Julie Ann Blumreiter, Mechanical Engineering Matthew Lee Brubaker, Computer Engineering Brian Matthew Bubnash, Electrical Engineering Ross Andrew Burns, Mechanical Engineering Prashanth Somayajulu Challa, Computer Engineering Kryt Chattrabhuti, Biomedical Engineering Pao-Lin Che, **Biomedical Engineering** Chun-Hsien Chen, Applied Mathematics and Statistics Jeffrey Randy Cheng, Computer Engineering and Computer Science

Crystal Tze-Ying Cheung, Computer Science and Neuroscience Bryce Chiang, Biomedical Engineering Juinting Chiang, Biomedical Engineering Tiffany Lori Chin, Electrical Engineering Jounhong Ryan Cho, **Biomedical Engineering** Patrick Sean Connell, Biomedical Engineering Pavan Jayant Dalal, Biomedical Engineering Anna Gloria Devlin, Applied Mathematics and Statistics Andrew Thomas Dolan. Chemical and Biomolecular Engineering Christopher Salvatore Dorbian, Mechanical Engineering Brian Timothy Duddie, Computer Engineering Jeremy Alan Elser, **Biomedical Engineering** Stephen Robert Christopher Fedder, Applied Mathematics and Statistics Matthew David Fedderly, **Computer** Science Joel Gary Frankford, **Computer** Science Anne Marie Gatchell, Chemical and Biomolecular Engineering Ying Guan, Civil Engineering Ryan Elliot Guerra, Electrical Engineering Jeremy Phillip Harris, Chemical and Biomolecular Engineering Christopher Lee Hemmerle, Mechanical Engineering Kihyuk Hong, Applied Mathematics and Statistics and Biomedical Engineering Sunyia Hussain, Chemical and Biomolecular Engineering Julnar Emily Issa, **Biomedical Engineering** Terrence Richard Jao, **Biomedical Engineering** Blair Anne Johnson, Civil Engineering Suraj Jay Kabadi, **Biomedical Engineering**

Christopher Ryan King, Computer Science Aleksander Stanislaw Koenig, Mechanical Engineering Lindsay Morgan Kranker, **Biomedical Engineering** Carmen Kut, **Biomedical Engineering** Rodwitt Hansin Lai, Computer Science Benjamin H. Lee. **Biomedical** Engineering Lynn Lee, Chemical and Biomolecular Eugineering Shirley Leong, Chemical and Biomolecular Engineering Joshua Adam Lerman, **Biomedical Engineering** Tjen Sin Lie, **Biomedical Engineering** Bing Yan Lin, Molecular and Cellular Biology and Chemical and Biomolecular Engineering Eric Shih-Ing Lin, Chemical and Biomolecular Engineering Jeffrey Lin, **Biomedical Engineering** Joshua Yoshio Liu, **Biomedical Engineering** Thomas Joseph Long, Chemical and Biomolecular Engineering Cindy Hao-Yun Lui, Applied Mathematics and Statistics Ryan Michael McLelland, Computer Science Brian Edward Miller, **Biomedical Engineering** Eric Howard Ngeo, Computer Science Brendan Francis O'Connor, Computer Science Henry Pao, Applied Mathematics and Statistics Jennifer Jean Petsche, **Biomedical Engineering** Tsahai Katerri Phillip, Mechanical Engineering Erik O. Phillips, Mechanical Engineering Jesse Kenneth Placone, **Biomedical Engineering** Mary Ellen Pozo, **Biomedical Engineering** Harsha Kiran Prabhala,

Nikhil Ram Mohan, Applied Mathematics and Statistics Dhanya Cumbum Rangaraj, **Biomedical Engineering** Robert Gregory Rasmussen, Biomedical Engineering and Neuroscience Nikhilesh Ray-Mazumder, Biomedical Engineering Zachary James Rosswog, Civil Engineering Johnny Chen-Yang Sang, Electrical Engineering Rodell Tolentino Santuray, Chemical and Biomolecular Engineering Omer Sedes, Chemical and Biomolecular Engineering Jasmine Theresa Serlemitsos, Environmental Engineering Ionathan Samuel Smalletz. Applied Mathematics and **Statistics** Jonathan William Smits, Biomedical Engineering Jonathan Cole Strode, Computer Science Scott Eric Sutherland, Chemical and Biomolecular Engineering Makibi Alexander Takagi, Mechanical Engineering Pei Kun Richie Tay, Chemical and Biomolecular Engineering Alexander Andrew Teran, Chemical and Biomolecular Engineering Sarah Elizabeth Thompson, **Biomedical Engineering** Winnie Judith Tsang, English Ravy Kuppalapalle Vajravelu, **Biomedical Engineering** Nikhil P. Vaze, Computer Engineering Ryan Joseph Wade, Materials Science and Engineering Jean Jiejing Wang, **Biomedical Engineering** Mitchell John Williams Jr., Computer Engineering Lisa Rose Winter, Civil Engineering Joseph Nicholas Wood, **Biomedical Engineering** Vincent Wu, Biomedical Engineering

Lininiao Xu, Biomedical Engineering Yinfei Xu, Biomedical Eugineering Yiyu Zhao, Chemical and Biomolecular Engineering Carol Anne Zuerndorfer, Environmeutal Engineering Michelle Lynn Zwernemann, Biomedical Engineering

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

Engineering Programs for Professionals

Bachelors Candidates Gradnating with Honors

Emily K. Feder Ryan J. Poag

Masters Candidates Graduating with Honors

Saji Abraham Kevin John Ahern Guy Joseph Aubry Maria de la Paz Aviles Grant Drew Bassett William Eric Bassett Marcus Walter Baynes Jon M. Bergmann Kevin Alan Boissonneault Kerwin Lundang Bonsol Eric W. Bradlev Douglas E. Branton Stephen Michael Buben Johnathan L. Burkett Preston Travis Carter Katrina Grace Cebey Wesley Brian Cory John J. Cross Christine Jabara Cunningham John Edwin Dade Justin William Darkoch Brent Hayden Davis Vernon Richard Easley Bradley Keith Engle Timothy Adam Ericson Todd Warren Fleet Robert F. Fleming

Biomedical Engineering

Richard Matthew Gensley Zuleyma Gonzalez Christopher Lawrence Gunther Owen George Gwilliam Gerald Joseph Hansen Matthew Todd Hayton Douglas A. Herro Seth Ioel Holladay David James Huisman Nehal Harendra Joshi Lucas Daniel Kagel Shabnam Kavoosi Matthew Michael Kessler Brian H. Kim Daniel Mark Kletter Harold Keith Koerper Eugene G Kogan Nathan Tait Koterba Paul Stephen Krush Paul Andrew Kuwik Matthew Edward Lander Leah Correll Lewis Jason Clement Li Junyan Li Craig Baer Lowenthal Albert Luc Karen Sue Marsico James Kenneth McDonough Mark John McElroy Kimberly Marie Mead Eric Charles Mergenthaler Melissa Lee Mong Kambiz Y. Moradian Philip Mothon Ramiro Torres Mougev Gary George Mrenak Dennis E. Murphy David Constantine Nemirow Stacey Marie Olexy Gregory Michael Oliver Christopher R. Owens

Vasilios E. Pappas Elliot Richard Parsons Duong Thai Pham Joseph Bradley Phillips Renee Paula Pirhalla Joseph Raymond Prisella Gopalakrishnan Chebiem Ramalingam David Mark Rines Jose Alejandro Rodriguez Joselle Gentica Rosello Matthew Charles Brenneman Rothwell Katie Ruvinsky Erik Seavey Saunders Jeannine Merrie Schmidt Jerry V. Schneider Peter Arthur Schoenbrodt Riken N. Shah Holly Beth Shoger Garrett Smith Adam Brett Stetser Louis Joseph Swentek Stephanie Tan Cathryne Irene Tondreau Joseph Matthew Turco Rvan Eric Turcotte William Mariano Valencia **Raymond Mitchell Valentine** Raja Sekhar Venkata Varada Vinnakota Michael Erik Vilnit Asa H. Wagner Oaisar Raza Waraich Carlyn Hudson Weaver Christopher Stephen Weller David Frederick Wiethop Ronald Dennis Wojnar Vincent W. Wong Daniel C. Wytko William Harold Zimmerman

CANDIDATES FOR DEGREES

Bachelors of Science in Applied Mathematics and Statistics

The G.W.C. Whiting School of Engineering

Laura Beth Beaulieu Andrew Elliott Burgess David Hern Chang Chun-Hsien Chen Kenneth Vincent Coffey Matthew Justin Culver Anna Gloria Devlin Todd Douglas Emr Jun Sung Han Eric Scott Heller Ryan R. Kuhlman Cindy Hao-Yun Lui Scott Michael Marks Henry Pao Nikhil Ram Mohan Eleen Yee Lam Shum Jonathan Samuel Smalletz Jamie Chia Ming Tsui Sallamar Krystal Adonna Worrell

Bachelors of Science in Biomedical Engineering

The G.W.C. Whiting School of Engineering

Javed Muhammad Aman Ryan Patrick Archdeacon Carla Pamela Arevalo Anthony Ka-Wai Au Neha Bajwa Michael Robert Bisogno Lisa Eleanor Carey Henry H. Chang Kryt Chattrabhuti Pao-Lin Che Bryce Chiang Juinting Chiang Jounhong Ryan Cho Lok Man Chu Patrick Sean Connell Pavan Javant Dalal Scott William Decker Poonam Naynesh Desai Julia Marie Dixon

Jeremy Alan Elser Jennifer Lynn Ferrigan Kihyuk Hong Nicholas Shiren Hu Julnar Emily Issa Terrence Richard Jao Avodeji Oluwadamilola Jejelowo Suraj Jay Kabadi Gabriel Min Kim Mark Chonghyun Kim Lindsay Morgan Kranker Derrick Ming-Soung Kuan Manish Kumar Carmen Kut Matthew Anthony Lalli Joseph Anthony LaRosa Benjamin H. Lee Joshua Adam Lerman Tien Sin Lie Eric Tsei-Wei Lin Jeffrey Lin Joshua Yoshio Liu Viktoriya London Jai Madhok Brian Edward Miller Shengyong Ng Jonathan Pan Shamini Parameswaran Meet Shirish Patel Suraag Snehal Patel Laxmi Gurunatham Pellakuru Jennifer Jean Petsche Jesse Kenneth Placone Mary Ellen Pozo Harsha Kiran Prabhala Janani Ramprasad Dhanya Cumbum Rangaraj Robert Gregory Rasmussen Nikhilesh Ray-Mazumder Sarah Elizabeth Schaake Jonathan William Smits Shanna Renae Sprinkle Leslie Thomas Sarah Elizabeth Thompson Paxson Alexander Trautman Shreejoy Tripathy Ravy Kuppalapalle Vajravelu Jean Jiejing Wang Jennie Wang Wayne Wang Joseph Nicholas Wood

Vincent Wu Linmiao Xu Yinfei Xu Michelle Lynn Zwernemann

Bachelors of Science in Chemical and Biomolecular Engineering

The G.W.C. Whiting School of Engineering

Joseph Thomas Abatemarco John David Bagert Manuel Alejandro Balvin Oiu Shuo Chen Shawn Emmanuel Cherian Sung Yun Chung David J. Corrigan Devin Philip Demers Adam Felix Diamond Andrew Thomas Dolan Toni-Marie Ferruccio Jarel K. Gandhi Anne Marie Gatchell Ronald Dennis Gorham Jr. Jonathan Joonhee Han Yang Han Timothy Joseph Hanly Jeremy Phillip Harris William Gerard Herrick John Oliver Herrmann Matthew Parker Hickin Jun Hyuk Hong Jason Ellis Hortiatis Sunvia Hussain Abey Dan John Robert Joseph Kasten Shvam Bharat Khatau Michael Ken Kondo Stephanie Marie Koontz Juliya Kravets Allen Ga-Hing Lai Tonya Michelle Lambert Lynn Lee Shirley Leong Bing Yan Lin Eric Shih-Ing Lin Thomas Joseph Long Annie Xi Lu Gwendolyn Sue Melnyk

Joseph Vincent Micali Christine Irene Muñoz Ruchi Pardikar Nazia Ferdousi Rahman Aniruddha Rajan Ravichandran Kadayam Ramakrishnan Michael Charles Reynolds Julian Noah Rosenberg Rodell Tolentino Santuray Omer Sedes Aaron Paul Selikson Hani Shabsigh Yu-I Shen Arun Lama Shrestha Siddharth Jasbir Singh Danya Ester Spritzer George Murakami Stern Scott Eric Sutherland Pei Kun Richie Tay Alexander Andrew Teran Kwadwo Edem Tettev Alice Tseng Timothy Tsekit Wang Wenhao Wu Yiyu Zhao

Bachelors of Science in Civil Engineering

The G.W.C. Whiting School of Engineering

Van Thornton DeJarnette III Gregory Douglas Gotimer Ying Guan Joshua Delbert Hoagland Blair Anne Johnson Isaac Simon Katz Matthew Alan McCarty Michael Alexander Palantoni Jesse Conrad Richter Alexis Zellway Rosker Zachary James Rosswog Lisa Rose Winter Hee Jae Yang Shadee Kamel Yassin

The appearance of a name in this section of the program is not considered conclusive evidence of graduation, nor is the omission of a name evidence that a degree was not awarded.

Bachelors of Science in Computer Engineering

The G.W.C. Whiting School of Engineering

Matthew Lee Brubaker Prashanth Somayajulu Challa Jeffrey Randy Cheng Brian Timothy Duddie Scott James Finman Vishnu Reddy Gunapati Samantha Ann Mercer Derrick Barnett Norgriff Christopher John Vaglia Nikhil P. Vaze Mitchell John Williams Jr.

Bachelors of Science in Computer Science

The G.W.C. Whiting School of Engineering

David Santoso Anggakusuma Crystal Tze-Ying Cheung Matthew David Fedderly Yedidya Binyamin Feldblum Joel Gary Frankford Leo Gau Christopher Ryan King Rodwitt Hansin Lai Ryan Michael McLelland Eric Howard Ngeo Brendan Francis O'Connor Joseph Ryan Ross Ayşe Elif Sabuncu Benjamin Aaron Schuster

Bachelors of Science in Electrical Engineering

The G.W.C. Whiting School of Engineering

Ralph Wayne Atwell III Peter David Becht Joshua Aaron Blum Brian Matthew Bubnash Arthur Anthony Chang Tiffany Lori Chin John Michael Franklin Ryan Elliot Guerra Sherman Lester Lin Michael Joseph Rihn Johnny Chen-Yang Sang Ian Kristopher Sims Andrew Atkinson Stirn Ellen Tsai Adam Theron Winter

Bachelors of Science in Engineering Mechanics

The G.W.C. Whiting School of Engineering

David Jamison IV Ankit Sharma

Bachelors of Science in Environmental Engineering

The G.W.C. Whiting School of Engineering

Jasmine Theresa Serlemitsos Carol Anne Zuerndorfer

Bachelors of Science in Materials Science and Engineering

The G.W.C. Whiting School of Engineering

Angela Antoinette Alexander Kenton Borja Derikito Josiah Mark Drewien Kaitlynn Eileen Fisher Christina M. Hui Alexander Mankuen Ip Daniel D. Kim Dann Cencak Martin Nikita Anyango Midamba Alexander Han-Chung Mo Nicole Halley Romano Harmonie Ai-Vi Sahalov Benjanin Emmanuel Stein Ryan Joseph Wade Brenton Robert Yancey

Bachelors of Science in Mechanical Engineering

The G.W.C. Whiting School of Engineering

Jacob Wesley Arrowsmith Kyle Kellogg Azevedo Christopher James Blizzard Julie Ann Blumreiter Patrick Andrew Brandon

Ross Andrew Burns Jason Douglas Cuthbert Joshua Adam Doe Christopher Salvatore Dorbian Luis Romeo Escobar Nathaniel Lee Evans Christopher Lee Hemmerle Antoine Pierre Joseph Bülent Emin Kalafat Aleksander Stanislaw Koenig Doo Hyun Lee Ted G. Lee Sun-Hee Park William Joseph Parker Tsahai Katerri Phillip Erik O. Phillips Darren Scott Pinney Andrea Leigh McCracken Pringle Andrew Amedeo Rocca Christopher Scott Ryan Rajiv Neil Shenoy Makibi Alexander Takagi Jaines Hovey Weisheit Andrew Michael Zuckerman

Bachelors of Arts

The G.W.C. Whiting School of Engineering

Jonathan Thomas Collins Kimberly Ann Lane Abigail Lindsey Robinson Barry Jerome Vanderable

Bachelors of Arts in Applied Mathematics and Statistics

The G.W.C. Whiting School of Engineering

Ka Lam Amy Chan Omar Farooqui Stephen Robert Christopher Fedder

Bachelors of Arts in Biomedical Engineering

The G.W.C. Whiting School of Engineering

Adam Joseph Russack Winnie Judith Tsang

Bachelors of Arts in Computer Science

The G.W.C. Whiting School of Engineering

Tiffany Danielle Eaton Christopher Robert Ecker Jonathan Cole Strode Joyce Chen-Hsin Yang

Bachelors of Electrical Engineering

The G.W.C. Whiting School of Engineering

Jonathan Leland Allen David Matthew Horner Ryan J. Poag Steven Alan Sandler

Bachelor of Mechanical Engineering

The G.W.C. Whiting School of Engineering

Emily K. Feder

Bachelors of Science in Molecular and Cellular Biology

The Zanvyl Krieger School of Arts and Sciences

Angela Marianela Aldayuz Defne Elif Arslan Heejin Bae Ariana Simone Barkley Pavel Bogomiakov James Boyd Bronson II Stephanie Ann Carr Jaclyn Clark Yan Cui Shiv Kamlesh Gandhi Mikhail Mikhailovich Gorbounov William John Gostic II Erica Marie Hartmann Camellia Louisa Hernandez Jessica Hsiao Gary Huang Rex Anthony Ennis Iozzo Angela Kaon Jenifer Brooke Kaplan

Sue In Lee Jaclyn Lim Lisa Dan Lin Lucy Hsinlu Liu Nicole Marie Malandro Theodore Ioannis Markou Lauren Ashley McGinnis Alex David Michaels Krisztina Moldovan Chandrani Mondal Andrew Matthew Ng Daisy Nie Daria Igorevna Nikolaeva Ashwini Mysore Niranjan Tejasvi Shankar Niranjan Ann Peters Michael Joseph Poli Manish R. Potti Teresa Angela Romeo Christopher Robert Roxbury Niharika Sanjeev Sathe Marianne Strazza David C. Tomich Jose Gilberto Torrijos Nancy Jane Tray Laura Yun Yi Tsang Vincent Michael Tupper Hanano Watanabe Gary Ka-Lai Wong Arifuz Zaman Samra Elisabeth Zelman Wenyu Freddy Zhang Zhengyang Zhang

Bachelors of Science in Physics

The Zanvyl Krieger School of Arts and Sciences

Matthew Thomas Beidler Erin Canale Borek Andrew Taylor Briggs Joshua Godfrey Cogan Alexander Zachary Copelan Dominic Joseph Genovese Robert Lovette Harlow **Richard Nicolas Hill** Kristin Anne Lucas Andrew Withycombe Mann Emma Cordts Marcucci James Redding Medford Rosa María Oyola Cabello Birju Suresh Patel Christopher Robert Pitman Emily Sarah Wisnioski Mark Jacob Zakhary

Bachelors of Arts

The Zanvyl Krieger School of Arts and Sciences

Keith Lawrence Abrams Stephanie Rose Abrams Christopher Byul Acosta Daniel Lee Adair Sarah Rachel Adams Nathan A. Adelman Jennifer Jung-In Ahn Maritza Nicole Aitken Amanuel Alemu Amil Hari Allen Brenna Kathryn Allen Sarah Elizabeth Allen Yousef Abbas Al-Refae Sarah Marie-Chantal Andely Davis Doane Anderson Charles Douglas Arestia Marina Avetisyan Desireé Megan Ayala Gregory Michael Babinecz Natalie Cheryl Baer Christopher Ian Baia Dina KiYoung Baik Meehyun Bang Whitney Barnett-Rhodes Alessandra Maria Barreiro Erica Bergen Barth Jonathan Kenneth Bateman Fornati W. Bedell Jessica Moore Begans Alexandra Ramsey Begley Matthew John Benchener Sarah Marie Bender Emily Jane Benjamin Marla Kathryn Berchtenbreiter Matthew G. Berg Bradley Charles Berk Jonathan Gerald Berke Michael Vincent Berman Elspeth Catherine Ayers Berry Harpreet Singh Bhatia Akash Bhatnágar Scott Brandon Bierbryer Amanda Ethel Bigaouette Daniel Joseph Bisers Danielle Cristina Black Clare Theisen Blubaugh Ohemaa Ama Boahemaa Sameera Bobba Esther Nicole Bochner Matthew Logan Bocklet Kyle Lynn Bonder Chelsea Holland Borchers

Leah Anne Bourne Charles Magannig Boyle Casey Alexa Branchini Nicholas Justin Brechbill Zabecca Shira Brinson Jessica Moore Brociek Cándido Ezekiel Brown Lindsay Kennedy Brown Michelle Ann Brown Samuel David Brown Bettina Sabine Buck Paul Vincent Buonaguro Emily Maeve Burke Maureen Alison Burns Esteban Buz Andrew Herbert Byrne Jacob Timothy Byrne Hweejo Byun Nadia Campbell Philip Addison Castrovinci Steffi Julia Cerato Grace Kar-Yee Chan Iris Li Chan Stephanie Wei-Ju Chan Dannie Chang Dustin Wai Meng Chang Kevin Zou Chang William K. Chang Johanna Ruth Chapin Cassandra Lesa Charles Brvan Chen Edmund Boren Chen Jessica Chen Julie Ting-Chu Chen Victoria Shiu Ju Chen Rocky Cheng Eric Stratton Cheskin Alex Cheung Julia Cheung Anthony Carlo Chiarito Farai A. Chidavaenzi Adrian Pierre Childs Jessica May Yee Chin Tiffany Michelle Chiu Alyssa Yoorim Choi Cyurry Choi Maria Choi Sandy Dohyun Chon Tahsin Choudhury Kristy Jenny Chu Christopher Andrew Chuang Igor Grigoryevich Chudinov Vivian Tinwai Chuen Ji Woong Chung Wonjae Chung Gauthami Reddy Churukanti

Holly Ann Clare Brian Christopher Clark Jacqueline Alexandra Clauss Livy Marion Coe IV Carleigh Alexandra Connelly Asha Lee Cooke Terence Conner Coppola Christopher Leon Cottrell Dwight Kirkwood Cousins Kelsey Jordan Crimando James C. Crumlish IV Topacio Christina Cruz Edwin Fabian Cuervo Nancy Victoria Cushman Rachel Lauren Cylus Matthew Adrian Czekaj Jake R. Dalpiaz Holly Reneé Danner David Thanh Dao Kristina Rupashree Das Carolyn Darling Davies Giovanti Nathaniel Davis Iason Andrew De Leon Justin Alex DeAngelis Daniel Robert DeFrancisco Iennifer Dara Dein Hernán José del Aguila James Patrick Dela Pena Margaret Jeanne Deli Maximillian Grant Dement Christina Grace Der Suruchi Santosh Dewoolkar Matthew Samuel Diamond Kevin Conrad Dieter Christopher Diforte Dylan Laird Diggs Andrea Nicole Dodrill Lisa Kathryn Dolan Francesca Isabel Espiritu Dolendo Andrew Harrison Dolinko Michael Lewis Doneger Kathryn Elizabeth Dumais Morgan Jacobs Dumont Stephen Nicolas Dunay Jeffrey Duong Andrew Chapin Seiler Dupree Alexandra Mogel Eager Diane Maria Echavarria Samuel Van Eichner Kristina Marie Eipl Adar Benjamin Eisenbruch Sarah Elashvili Elizabeth Anne Eldridge Anna Tova Elsohn Samantha Michelle Engel

Nicholas Gannon Erardi Daniel Jose Escobar Jeremy Esperon Michael Charles Evans Steven Andrew Farber Sage Otelia Farrar Cindy Fei Jason Ira Feinberg Courtney Sheldon Ferguson Lee Timothy Christopher Fermin Aaron Erik Fernandes Dimitri Jehan Fernando Ashley Marie Ferranti Jonas Andrew Fester Jocelyn Renae Fields Natalia Fijalkowski Eric Raphael Fishel Brian Andrew Fisher Daniel Benjamin Fisher Eric Blanchard Flamer Samantha Campbell Flanzer Morgan Sidney Fletcher Michael Gennaro Flowers Alexander McGerity Folkenflik Nathan William Ford Shawn Richard Fornear Annetta Joan Fotopoulos Mitchell Scott Frank Alexander Friedman Alice Oi-lam Fung Sarah Kate Gallion James Shuang Gao Alexander Nathaniel Garcia Bradley Nelson Garcia Julie Anne Garringer Peter Andrew Garry Zhuo Geng Salvatore Julius Gentile Ir. Andrew Thomas Gerba II Daniel Joseph Gierut Kara Jovce Gillis Sabreena Juliann Gillow Sara Jessica Ginsberg Mark Joseph Goldberg Rachel Joy Golden Jason Goldman-Petri Jonathan Tsvi Goldstein Mireille Serrata Gomez Yuan Yuan Gong Kelly Elizabeth Gonzalez Noelani E. González Emily Margaret Goodman Rebecca Hofman Gordon Mary Therese Gorski Dane Peter Gottsch Shaun David Gould

Melissa Elizabeth Grammer Cameron Elizabeth Granger Alison Elizabeth Grant **Jillianne Grayson** Michael Robert Guarino Roxana Giulia Guerra Tatiana Gulnik Ajay Naren Gurbani Michelle Ann Tan Gutierrez Jesse Ha Sarah Jyoung Hahn Ourratul-Ain Haider-Shah Amanda Elizabeth Hajjar Melissa Ann Hambelton Kerry Ann Hamilton Matthew E. Hansen Andrew Neelis Harrington Matthew L. Hart lavi Lauren Hartenstine Leah Hayden Harvey Peter Richard Harvey Eric Conrad Haupt Miyako Elizabeth Hayakawa Elizabeth Antonia Heenan Amy Rebekah Hellman Joseph Andrew Henderson Andrei Victor Herescu Ava Gabrielle Herman Elizabeth Joy Hernandez Alyson Anne Hettrick Lauren Mary Hill David Redmond Hinds Maurice D. Hinson Daniel Joseph Hislop Joseph Yiu Jo Ho Sandra Hw Ho Sarah Reinsen Hogan Robert Frederick Hohenstein V Jacob Yedidya Honig Kirby Nicole Houck Allison Suzanne Hoy Beverly Ann Huang Michelle Iwon Huang **Rwo-Wen Huang** Christopher John Hudson Daniel Vincent Hughes III Kevin Francis Huntley Yasmin Mansoor Husain Patrice M. Hutton Lorraine Heather Hutzler Seth Bradley Jezman Natasha D. Irving Allison Michele Ivans Matthew Aron Jadusingh Andrew Ellis Jaffe Aditi Pooja Jain

Jun Woong Jang Joseph Charles Jankiewicz Omair Mohammad Javed Shavma M. Jawad Maryam Jelvani Jacqueline Ellen Jennings John Ji Jaehoon Jin Alexander Harris Johnson Ryan Christopher Johnstin Bruce Kenneth Jones Candi Blossom Iones Emily Anna Jones Dania Marcelle Joseph Andrew Baxter Joyce Alberto Santiago Juan Seung Ho Jung Brian Thomas Kalish Stephanie Antoine Kallab Benjamin Rory Kallman Josefine Taylor Kals Kalyan Chakravarthy Kanakamedala Jonathan Kang Suh Yoon Kang Aaron Jordan Kaplan Randee Jo Kästner Igor Katsyv Patrick Michael Kay John Joseph Kealy Ryan Stewart Kealy Steven Kebejian Patrick R. Kennedy Chad Francis Kenney Jr. Nina Keyvan Nikeeta Khetan Hasen Joseph Khudairi Andrew Kim Angela Kim Daniel D. Kim Hee-Jung Kim Hyung Woo Kim Ik-Jun Kim James Hankil Kim Jennifer Soojin Kim Kenneth Hans Kim Philip Young Kim Robert H. J. Kim Tae Hwan Kim Yeouk Kim Young Gi Kim Katherine McLennan Kimball Jennifer Claire Kissiah Brendan Edward Kittredge Darva Alexandra Kizub Amanda Lauren Klein

Angela Frances Koenig Jacob Max Koenig Thomas Paul Koenigs Rachel Allison Kolander Stephanie F. Kong Sophie Rebecca Korn Steven Alexander Kornweiss Franca Sara Kraenzlin Nancy Kuo David Anthony Kurz Leigh Kwak Eun-Kyung Mary Kwon Yuen-Ting Kwong Marsha Lynn Lachaud Scott Eliot Ladd Meredith Louise Lammertse Kathleen B. Langjahr Stephanie Anne LaPerle Yolanda Chuck-Yan Lau Jessica Ann Lawless Brandon Marquis Lawrence Aaron Michael Lazorwitz Deidre Pei Lee Elisa Lee Grace Peng Lee Heidi Minnie Lee Jae Hyung Lee Janet Seung-Yun Lee Jin Hua Lee Kevin Lee Kyung Jung Lee Se Ryeon Lee Seivon Benjamin Lee Shauna Cheonghee Lee Su Min Lee Teresa Lee Wan-Ching Lee Samuel Carno Leifer Joseph Michael Lenhoff Garrett Robert Leonard Catherine Chase Lerro Edison Leung Jonathan James Leung Michael James Levin Theodore Charles Levy Heather Li Kun Li Jordan Franklin Libowitz Dominique C. Lieu Maura Catherine Lillis Stephanie Grace Lin Matthew Erich Linder Peter Jason Lipman Ionathan Dennis Liu Mike H. Liu Yu Hsin Liu

Clinton Evan Lively Lori Louise Loe Rebecca Marianne Lossing Carolyn Benner Lovejoy Adam S. Lovett Miles-André Lowman Sophie Lu Meica Danielle Magnani Gillian Tothill Maguire Megan Kelly Maguire Deanna Marie Maida Adrianna Lourdes Maldonado Christopher Lloyd Mancao Emma Elizabeth Mann-Meginniss Marwa M. Mansour Sharon Nettie Marcus Farha Farooq Marfani Anthony Alan Margve Julienne Bokor Markel Alina Markova Monique L. Marshall Aaron Daniel Martel Amelia Anne Reilly Martin Destiny Sherita Martin Erica Jane Brown Martin Juan Fernando Martinez Sofia Yadira Martinez Paul Henry Martone Arash Alexander Massoudi Shanna Allison Matalon Bobby Varghese Mathew Jonathan Nolan Matthews Elizabeth H. Maylack Ned James McCague Meagan Elizabeth Sophie McClellan Sean Robert McCreery Brendan Alovsius McFarland Sarah Jill McKenney Andrew Garrett McTammany Brooke Ashley Meade Patrick Michael Meaney Rishi Paul Mediratta Mark Christopher Mehlinger Daniel Jonathan Menaged Cara Eve Merriman Rebecca Lynn Messner Nicholas Joseph Meyer Scott Michael Meyers Abad Ulla Mian Adam Jeraldo Milam Eric A. Miller Saski Marie Miller

Nathan June-Hong Min

Avantika Mishra

Derek Lee Monette Sarah Archambeault Montague Kirstin Mooney Zachary Nathaniel Moor Kimberly Michelle Moore Emma Antonina Morrison Whitney Kamens Moss Scott Peterson Motejunas Yasmene Lynette Mumby Laurel Elizabeth Murphy Vivek Krishna Murthy Sabrina Rae Must Michael David Nacht Tanya Nahvi Brian Kelvin Navoa Jeffrey Thomas Neal Jessica Leigh Nelson David Vinh-Quoc Nguyen Viet Dang Nguyen Michael Patrick Normyle Erin Elizabeth O'Boyle Ethan Wood Ogilby Onvemaechi Nwanneamaka Okolo Catherine Whitney Oldenkamp Jonathan Bryce-Edward Olenczak Kolawole Olukayode Olugbade Jr. Benjamin Philip O'Neill Brian Michael Orr Margaret Susan Paek Siobhan O'Brien Paganelli Diana Marcela Pak Erica Susan Pakkala Martha Justine Paluch Jason Michael Paluzzi Sharon Pan **James** Park Justin Handsome Park Min Ku Park Elizabeth Ann Leticia Parris Lauren Delene Parris Tony Alexander Pastor Amisha Kirit Patel Nijay Jaimin Patel Virginia Elaine Pearson Angel Yuqing Peng Bo Peng Brenton Henry Pennicooke Laura Elizabeth Peralta Marilyn Perez Benjamin Reed Perkins Yuri Edward Peterkin Cherice Belinda Petit Velislava Petkova Petkova

Stephen Randall Peyser Tammi-Marie Krystal Phillip Blaine Thomas Phillips Robert Michael Pietroforte Jacqueline Lee Pipino Seth Douglas Pitts Douglas Robert Polster Rachel Sigardson Poor Hillary Anne Portner David Poulose Ashanda Patrice Powell John Francis Prandato Anupama Prasad Nicholas Albert Preston Svetlana Primma Chantel Anella Priolo Mawuena Adolph Quarcoo Howie Wu Que Phoebe Wyndham Quin Farah Qureshi Paul Joseph Rabil Kalyan Rachakonda Sahar Tamima Rahiem Emily Anne Raisch Priyanka P. Randeria Roozbeh Niknian Razmpour Jessica Ann Rebarber Joseph Darwin Redd Jessica Lyzzette Reeves Whitney Reiben Daniel J. Requena Rafael Amado Revna Nechari Lanif Riley Tina Maria Riley Pervinca Caterina Rista Salmah Yasmeen Rizvi Rafael Andre Roberti Eric T. Roberts Philip Eric Roberts-Rhym Ian Merrins Rochstein Charles Roycroft Rodowski Elizabeth Rachel Romanow Roselyn Rosal Kerry Anna Rose Hili Sara Rosen Nathaniel Levi Rosenblatt Jamie Lynn Rosenow Raina Rebecca Rothschild Emily Elizabeth Russo Javier A. Russo Alice Carlson Ryan Hohyun Ryou Aisha Said Saber Natasha Valentina Sachs Jay B. Sahgal Shannon Christine Salembier Jared Meyer Saletin Stephen Michael Salkeld Sammy Rose Saltzman Jacob Alexander Sand Jillian Bergen Saperstein Peter Franchot Sargent Sonia Sarkar Corey Alexander Sattler Leona Austin Sav Joshua Carl Schmand Allison Elise Schnidman Leslie Michel Schoeck Brittany Lauren Schriver Nicholas Edward Schwartz Jesse Steven Schwartzman Lauren Amanda Schwarzmann Allyson Christine Seger William Henry Seitz III Anupamaa Jan Seshadri Whitney Clare Shaffer Supriya Ashok Shah Kristina Jamila Shambry Ketan Sharma Shishir Sharma Iennifer Kristine Shea Amy Elizabeth Sheeran James McMaster Sheffield Moktar Ahmed Sheikh-Salah Andrea Denise Sherman Sylvia Mimi Shi Jamal Nyame Shillingford Diane Aimee Shrewsbury Steven S. Shu Irwin Yanwen Shung Serena Yan-Xing Shung Brady Alan Sieber Julie Melton Sihilling Meredith Julia Siller Mpepera Brito Simango Vanessa Wagner Simmons Amanda Buffett Sims Ellis Urban Singer Natasha Singh Denae M. Sisco Anita Sivaraman Brendan James Skakandi Graham Cameron Gabriel Smith Patrick James Smith Allison Platt Smykal David Michael Snyder Ina Young Soh Jonathan Neal Solomon Albert Kyung Song Julie Song Aaron Michael Soto-Karlin

Max David Soule Piyush Vinayak Sovani Danielle Christine Spengler Kadie Nicole Stamper Garrett Paul Stanwick Keith Staskiewicz Patrick Richard Steffee Kate Rebecca Steinberg Margaret Graham Stevens Gretchen Eva Stiteler Kristin Lee Strief Leanne D. Stunkel Hannah Suh BreAnna Marie Suiter Henry Orion Sullivan Priya Darshini Sunkara Monika Hanna Szalewicz Vani Takiar Adit Lior Tal Paula Skye Tallman Aaron Tan Stephanie Leigh Taylor Ekaterini Patricia Telonis Andrew Harris Telzak Bradley Webster Test Alanna Charmaine Thomas **Ouinson Ronnie Thomas** Tristan Keon Thomas June Barungi Tibaleka Paola Lucia Tinta Michael Lee Tipermas Priyanka Tiwari Stephanie Tow Beatrix Simone Traa Thuy Tien Tram Tran Jeran Elliot Trangle Sarah Jill Trudgeon **Opal** Tsai Mingzohn Ellen Tsay Arin Samantha Tuerk Laura Kirsi Tuomanen Hill Jamen Elizabeth Tyler Anna Caroline Vaivoda Guinevere Cecily Valencia-Moscoso Kristina Jenni VanNuys Rossi Paola Vargas Tanya Darlene Vargas Chanont Vasoontara Laura Elisabeth Vasquez Guillermo Vela Daris Celestte Velásquez Ramírez Nicholas Lee Venezia Umesh Meyyappan Venkatesan Nadja Alexandra Vielot

Michael Emilio Villagran Lori Michelle Vislocky Kristin Ponni Viswanathan Maria DeLourdes Vivas Jeffrey Robert Vlasic Cassandra May Vogel Shannon Nicole Wadsworth Harrison Morton Wadsworth IV Christopher James Waful Laura Vanessa Wagdalt Alexander Ted Puhk Wald Gi-Kyun Wang Ken-Der Wang Raffi Joe Wartanian Valdemar Luther Washington II Sved Ahmer Wasim Thomas Christopher Weatherall Lucy Clare Webster Claribel Danielle Wee Colleen Patti Weeks Elizabeth Gray Wehrly David Weinstein Eric Howard Wexler Scott Keeler Wham Kara Elizabeth Wiard Justine Kirby Wiesinger Ashley Colleen Wietsma Benjamin Adam Wilson Brenton Tyler Wilson Rebecca Eve Wolff Jessica Randall Wolowski Bonnie Wong Elise Wong Patrick Suen Man Wong Pinrath Wongtrangan Essence Nicole Cherie Worthy You Meme Wu Jordan Ashley Wyndelts Jerry Zhiyuan Xu Muzhi Xu Christina Maria Yanez Judy Hung-Jing Yang John Ray Yarbrough Jr. David Yaron Yu Min Ye Scott Y. Yin Brian Junghyun Yoo Christopher Chan Yook Edward J. Yoon Bethany Antoinette Young Louis Alexander Young II Jeffrey Boyang Yu Stephanie Tao-Hsin Yu Anna Yukhananov Max Hooper Yusem Joseph William Zaccaria

Shawn Zardouz Julia Zhiyu Zhou Liang Zhou Serena Shunan Zhou Tao Yue Zhu Michael James Zoller Xiao Zuo

Bachelors of Music

The Peabody Conservatory of Music

Andrew R. Arceci, Double Bass and Viola da Gamba Jeremiah Matthew Baker, Saxophone Jenny Beck, Composition Jarvis Lawrence Benson, Viola Westley D. Benson, Percussion Miranda Blakeslee, Viola Daniel Brian Butman, Piano Séo-Hee Byun, Violin Michaela Catranis, Piano Jieh-Hau Shawn Chang, Piano Hsiao-Ying Chen, Piano Meghan Kathleen Davis, Voice and Harp David A. DeDionisio, Guitar and Music Education Rvan Patrick Deguzis, Fiola Monica Anne DeLeon, Composition Matthew Samuel Diamond, Computer Music Composition Erin Rebecca Dias, Voice Ilya Dobrovitsky, Violin Joseph Dombrowski, Clarinet and Recording Arts and Sciences Christine Dominguez, Voice and Music Education Elizabeth Patrice Dow, Voice Kurt Niels Emmel, Guitar Amos C. Favette, Violin Rachel Elizabeth Gawell, Violoncello Jillian Marie Goldin, Voice Gordon Henry Newman Green, Composition Leah H. Greenfield, Violin Angela Hamilton, Double Bass Robert Hanson, Guitar Mindy Leigh Heinsohn, Flute Gabriel Henriques, Voice

Elizabeth Leigh Horton, Music Education Juliette Marie Jones, Violin Maja Jovanović, Viola Amyr Francis Joyner, Violin Benjamin T. Katzen, Violoncello Hae Mi Kim, Violoncello Hyunjung Michelle Kim, Piano Jisu Kim, Piano Min Jung Kim, Clarinet Geoffrey James Knorr, Recording Arts and Sciences Gregory J. Koenig, Guitar Dmitriy Krasny, Piano and Recording Arts and Sciences Lena Maria Leson, Voice Hong-Wei David Liu, Violin and Recording Arts and Sciences Jacob Lodico, Recorder Sarah Batya Lowenstein, Viola Matthew Paul Lynch, Trombone Sheena Elizabeth Majdan, Voice Finbarr Malafronte, Guitar Joy Allison Martin, Horn Blake J. Meister, 7azz Bass Catherine Waltie Mikelson, Violoncello Yuri Nakano, Piano Patrick O'Leary, Guitar Peter Pakhomkin, Guitar Benjamin Joseph Peck, Bassoon Brian Matthew Pettey, Voice Lee Philip, Double Bass Anna-Christina Phillips, Clarinet Edward Prevost, Violoncello Jason K. Reed, Composition Pervinca Rista, Violin Ian David Rosenbaum. Percussion Iain Graham Copen Roush, Guitar Leah K. Serr, Voice Esther Shin, Piano Irwin Yanwen Shung, Piano Ian Kristopher Sims, Jazz Saxophone Nicholas Robert Skinner, Trumpet and Music Education Maia Sobelman, Violoncello Anna Louise Solomon, Viola Michael Summa, Composition and Voice Shareef Taher, Jazz Percussion Lisa Avres Taylor, Voice Gohar Vardanyan, Guitar

Robert Walliczek, *Trumpet* Alicia Ward, *Violoncello* Noah Stern Weber, *Clarinet* James Anthony Wolff, *Composition* Catherine Yee Wong, *Clarinet* Heather Shalane Woodworth, *Clarinet*

Performer's Certificate

The Peabody Conservatory of Music

Christine Dominguez, Voice

The School of Nursing

Bachelors of Science May 22, 2008

Abigail Victoria Adams Brian Chris Albrecht Jr. Mary-Katherine Annelli Valerie Ellen Bahr Sarah Ellen Baker Hannah Louise Bampton Caroline Izetta Bell Charles David Bellah R. Kyle Blount Sarah Rose Burney Marlon B. Caballero Elvsia Maia Cale Vera Elaine Carter Roland Mark Champagne Sung K. Choi Luz Maria Cobarrubias Emily Jean Colston Gillian Patricia Condell Courtney May Conrad Kristine Alysia Cooper Gina Michele Cox Christine Nicole Danielson Amy Bevin Dillon Rachelle Y. Elul Natalie Etienne **Annell Farris** Allison Graeme Fell Sara Elizabeth Fiebiger Megan Marie Finnerty Tiffany Marie Firko Korina V. FlorCruz Mava L. Fulks Lauren Alicia Fuller Sonia Fulton Jeane Marie Garcia

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Christine Ando Phelps

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Yvette Camille Pugh Jenna London Reamer Lauren Michelle Riner Erica Marie Rinke Clarissa Rosario Sandra Sánchez Laura Olivia Schick Sarah Lindsey Schiller Tshikana Douglas Scott Kimberly T. Smith Kristin Smith Kristen Marie Sommer Paul Newell Spitz Allison Rebecca Stitsworth Iulie Ta Katharine Adelaide Taylor Amanda Diane Tinucci Marilyn S. Tomich Amelia Ruthcarol Verdoes Danice Nicole Walker Morgan Michele Walker Sascha Cristin Wasek Emily Randall Weld Meg Louisa Welsh Tiffany Kirsten White Lisa Ann Williams Tamara Sue Witt Lara Marie Wolf Christopher Lee Wright Jonathan David Yoder Elizabeth Anne Young Andrea Michaelena Young-Lopez Elizabeth Kathleen Zabora Virginia Joan Zier

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Bachelors of Science July 18, 2008

Olumide Anthony Akinyemi Claire Bernadette Alano Alison Rae Anderson Saryna Yamvida Bahadarakhann Mario J. Bailey Sarah Camilla Balensiefer Alena Rose Barrett Nicole Kristine Baur Ashley Sarah Ann Beam Sheyanga Dilanjali Beecher Vivian Melissa Berrios Paula Souik Bizot Sammantha Li Boaz Lori Ruth Bowermaster Virginia Anita Carter-West Anne Elizabeth Cavett Chun-Yi Chen Michelle Marie Clausen Amber Lee Yong Close Wesley Edward Cook Raina Ruth Crawford Emily Forrester Culver Carrie Dean Sarah Therese Deanehan Glecy Guevarra De Leon Kristin Sara DelleDonne Bonnie Louise Linder Dowling Kristen Marie Erekson Devin Allen Evans Cézanne Azul Ezekiel Shannon Diane Foley Christina Ann Franck Meagan Deanne Fritzler Kishma Jenneill Gainor Kristin Marie Geske Laura Jayne Gigante Meghan Elizabeth Greeley Palka Rani Gupta Adrienne J. Han Jeri Ryan Hanly Amelia Annette Harris Mark Gerhard Hessler Erin Elizabeth Heximer Megan Anne Hickman Molly Katherine Holshouser Nicole M. Holuba Pamela Jane Homiak Mikyong Hong Sidney Howell Andrea Marie Huntley Rebecca Hart Jacobs Brittany Marie Kane Meera Kapoor Jennifer Lee Kellev Jennifer Louise Koch Michael Shek Yu Kong Gina Marie Kosek Kristine Lee Shirley Hsu Lee Una Yong Lee Sandeep Lehil Anne Elizabeth Lester Suzanne Bohn Levesque Christine Ya Lin Rosemary Lokko Melanie K. Lukesh Alicia Luna Jennifer Chinyelu Madueke Megan Christina Mann Megan Kathleen Marx Belle Anne Matheson

Shannon Ashley McDonnell Anna Catherine McErlane Johanna McKinzey Kristin Noel McQuiddy Theresa A. Medicus Jesseca Marie Moon Elizabeth Colleen Moore Lyndsay Meredith Murray Lisa Marie Nagy Kelly Marie Nau Susan Marie Norris Maria Remedios Isabel Reves Oasan Hwoi Min Oh Katy Lynn Olive Danielle Terese O'Lone Sheila Marie Ormond Nancy Gayle Osborne Gracie Nicola Parchment Priva Ami Patel Jennifer Sarah Peacock Anthony Tuanduc Pho Sucheep Piyasirisilp Heather Anne Poreda Mary Katherine Porter Diana Marie Priddy Nicole Marie Rallis Darcy Vetro Ravndal Kathryn Leigh Richardson Katherine Olivia Powers Robbie Abigail Elizabeth Savage Alyson Melanie Schuster Elizabeth C. Serrano Leah Katherine Shaw Megan Ann Katherine Shepter Jessica Miller Silver Glenn M. Silverman James Edward Small Alison Elizabeth Smith Sandra Smolen Jamie Marie Snyder Randy G. Stair Amanda C. Staub Jessica Lynn Steindel Katie Lavonne Stumpf Jessica Ann Tallman Sai Ying May Tang Katherine Maree Taylor Carrie Tudor Adina Melissa Ungar Shoshana Rachel Ungar Dhara Jagdip Vaishnav Lindsey Marie Webster Megan Wynne Williams Ashleigh Marie Wills Emily Michele Winger

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Bachelors of Liberal Arts

The Carey Business School

James Buddy Almond Jr. Seth Adam Cochran Barbara Carberry Cross Edna Mae Jones

Bachelors of Science

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Graduate Certificates

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Masters of Business Administration

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Ying-Chieh Hung Marc W. Hungerford Khristina Ester Hutabarat Lynn Huynh Iftekhar Islam Akimosa Jeffrey-Kwanisai Heon-Jae Jeong Charles Qingguo Li Jiang Nuredin Ibrahim Joehar Willie Lewis Johnson Jr. Jaurin David Kristopher Joseph Kristina Burchard Kahan Sunil Kaul Hubert Wilson Kavo Jeanie Kedia Laurie Anne Keesler Leroy Livingstone Kelsev III Arash Mohammadi Khah Akhil Jay Khanna Kristie Y. Kim Brian Hyon Joong Kimm Brandon John Kivler David Todd Klavitter Paul-Andrew Knight Duane Michael Kokesch Brian Daniel Krasney John Karl Kuehnle Uttam Kumar David P. Lange Richard Allen Lange David Michael Lasker Victoria EH Lee Regina Lyne Lewis David Li Juchi Li Bolanle Asuni Limann Chen-Yi Lin Brandon G. Lockett Hongmei Lu Shu-Fang Lu Amna Hanif Malik Matthew Bryan Marsh Andrew Lawrence Mason Lonnie Mac McBride Abigail Fleming McCarthy Meghan Dolan McGinty Andrew Edward McIntvre William Steven McNish Michael Stephen Melch Gregory Cobb Merrill Marjanna Mertts **Beverly Annette Miles** Darric Lee Milligan Michael Joseph Molinari Trena Moore

Michael Calvin Moraz Theodore Keith Morgan Masahiro Mori Christopher William Muirhead Osvaldo Patricio Muniz Patrick Brendan Murphy Gururam Narayanaswami Thomas Michael Neill Todd William Nesbit Therese Hortense Ngo Bikoi Ann Hang Luu Nguyen Tri Minh Nguyen Twee Nguyen Emmanuel Foundje Njeuhmeli Kevin Anthony O'Brien Travis Don Oliver Bolanle Omilabu Raymond Reginald Orocco-Iohn Vaibhav Anantray Parekh Jun Hyun Park Susan Todd Peeler Alba Lucia Perez Todd Patrick Peterson Michele Cruz Phillips Brian L. Pinto Arjun Hari Prasad Karen Michelle Price-Ward Christina Lynne Radice Sheenatha Mathi Reddy Srinivas Reddy Brigitte Ellen Reeb Thomas Jacob Revitte Jeremy Lee Riddle Eunhee Rim Julian Lee Roberts Tacuma A. Robinson Robert Paul Roca Louis J. Ross Jennifer Marie Rous Albert Thomas Roy Walter P. Saba Laurel Malena Sable Wade Alex Atempa Sackey-Ansah Ritu Salani Dongpei Sang **Richard Lionel Santos** Osama S. Savvad Sarah Frances Scarborough Patrick Daniel Schlimgen Stephen Douglas Schluth Nathaniel Segaren Mansi Suresh Shah Uday Jaya Shankar Madhulika Sharma Judy D. Slater

Maria Aurora R. Soriano Sharon Southerland-Smith Andrae Kenton Spencer Ruth Elaine Stachura Jennifer Unjoo Sung Sunida Susantud Wei Wen Szu Cristina Sexauer Tallent Andy Tan Paula Jeanne Teague Puluna M. Thakkar Rajiv Natvarlal Thakkar Bert Eugene Thomas IV Ranganathan Sundaramurthi Thuthipet Ada K. Tieman Meredith Christine Timmermann Lauren Peterson Tornetta Darren Drew Troilo Jeffrey W. Tunkel Eric Scott Ubil Vincent Charles Urbancic Laura Marie Van Fleet Kelly A. Van Houten Anton van Ruiten Ashley Elizabeth Varner Ines Maria Vigil Christopher Neil Walker Molly Marie Walsh David Weidong Wang Jim Wang O Wang Jenene Renave Washington David Weathington J. Scott Weier Shawn Woodhead Werth Drewry James White Jeff Wade Whitman Richard Barry Wilder Ute Wilson Kathryn Anne Wingenter Timothy Michael Wingenter Elizabeth Hyun Yi Rifat Tolga Yildirim Nathan Rod Yokel Dokyoung Yoon Wen-Chih Yu David Victor Yue Courtney Deana Zenz Yulian Zhao Theodoros Zikos William Michael Zirkin Joseph Georges Zoghbi

Masters of Science

The Carey Business School

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Sharon Denise Camper, Organization Development and Strategic Human Resources Jovce Suarez Castro, Organization Development and Strategic Human Resources Roxana Cepeda, Organization Development and Strategic Human Resources Young Lan Cha, Finance Courtney Janet Chaney, Organization Development and Strategic Human Resources Mark Cha-Yang Chang, Information and Telecommunication Systems Ya-Ting Chang, Finance Donald Joseph Charron, Information and Telecommunication Systems Scott H. Chatelain, Organization Development and Strategic Human Resources Chiao-Pu Chen, Finance Elaine Y.Chen, Finance Nai-Chi Chen, Finance Nai-Li Chen, Finance Zhuxin Chen, Finance I-Ting Cheng, Finance William Mark Conrad, Information and Telecommunication Systems Robert Edward Lee Correll IV, Information and Telecommunication Systems Stephen Salvatore Cosenza, Information and Telecommunication Systems Joy Janeé Cox, Information and Telecommunication Systems Shaun Aldwyn Cox, Information and Telecommunication Systems John J. Coyle IV, Real Estate Renee Marie Crews, Information and Telecommunication Systems David Alexander Crouch Jr., Information and Telecommunication Systems Marsha Denise Cunningham, Organization Development and Strategic Human Resources Joseph Jerard Daniels, Information and Telecommunication Systems

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Jaclyn Huong Tran, Information and Telecommunication Systems Katie A. Troutman, Real Estate Mark Eugene Crossland Turgesen, Marketing Imran Umar, Information and Telecommunication Systems Fahiem Ahmad Usman. Information and Telecommunication Systems Jill Deviese VanDervort, Finance Suyapa Marbella Velasquez, Organization Development and Strategic Human Resources Nuttaphong Visitkitchakarn, Marketing Tuan Minh Vuong, Information and Telecommunication Systems Maria Elizabeth Waddy, Marketing Michael Burke Wagoner, Real Estate Chien-Wu Wang, Finance David H. Washington Jr., Real Estate Gavin Wilbor West, Organization Development and Strategic Human Resources Andrew Christopher Wheeler, Real Estate Timothy Gerard Whelan, Real Estate Kenya Charon Shani White, Organization Development and Strategic Human Resources Russell Earl Whitworth, Real Estate Imesh Danushka Wijewardena, Information and Telecommunication Systems Carolyn Danielle Williams, Organization Development and Strategic Human Resources Jerome Williams, Organization Development and Strategic Human Resources John Wayne Wimmer, Information and Telecommunication Systems David Legendre Winstead, Real Estate Melissa Ann Woodward-Jones, Organization Development and Strategic Human Resources

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Post-Master's Certificate

The Carey Business School

Patricia Poh Khim Swartz, Information and Telecommunication Systems

Bachelors of Science

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Graduate Certificates

The School of Education

Hannatu Abbas, Effective Teaching of Reading Hannatu Abbas, Teacher Leadership Candice M. Abd'al-Rahim, Administration and Supervision Sara Marie Ackley, Education of Students with Autism and Other Pervasive Developmental Disorders Patricia Popdan Allar, Teacher Leadership Ivy Lynn Allgeier, Gifted Education Kathryn Urban Amin, English as a Second Language Instruction Kathryn Urban Amin, Effective Teaching of Reading Barbara Armstrong, Leadership in Technology Integration Michael Joseph Aubin, Administration and Supervision

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Catherine Bryan Chapman, Administration and Supervision Lise Frederique Charlier, Educational Leadership for Independent Schools Lise Frederique Charlier, Administration and Supervision Lisa Ruth Check, Gifted Education Charles David Coffman, Education of Students with Autism and Other Pervasive Developmental Disorders Martha Cohen-Tomlinson, Administration and Supervision Robert Anthony Cole Jr., Administration and Supervision James Edward Cooper Jr., Business Leadership for Independent Schools Philip Cork, Business Leadership for Independent Schools James Thomas Cowgill Jr., Business Leadership for Independent Schools Matthew Edward Croson, Administration and Supervision Bruce Edward Crossman, Educational Leadership for Independent Schools Kelly Anne Dabkowski, Education of Students with Autism and Other Pervasive Developmental Disorders James Nicholas D'Andrea, Administration and Supervision Gina Marie Davenport, Administration and Supervision Karen Kate Ocampo David, Adult Learning Danielle Nicole Davis, Administration and Supervision Donna Denise Davis, Gifted Education Donna Denise Davis, Administration and Supervision Linda P.M. Dennison, Business Leadership for Independent Schools Shiquetta Sherrill Dixon-Lee, Administration and Supervision Crystal Alyse Dovman, Administration and Supervision Crystal Alyse Dovman, Leadership in Technology **Integration**

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Administration and Supervision Rhonda Lynn Jennings, Administration and Supervision Nichelle Dawn Johnson, Administration and Supervision Mary Milone Jordan, Administration and Supervision Mary Francis Jordan, Administration and Supervision Georgia Niki Kalargyros, Effective Teaching of Reading Georgia Niki Kalargyros, English as a Second Language Instruction Linda Carole Kane, Education of Students with Autism and Other Pervasive Developmental Disorders Dore'Anne Karnegis, Education of Students with Severe Disabilities Dore'Anne Karnegis, Early Intervention/Preschool Special Education Specialist Andrew Colin Karnes, Administration and Supervision Andrew Colin Karnes, Gifted Education Gina LaManna Kilpela, Administration and Supervision Nicole Marie Kociban, Effective Teaching of Reading Nicole Marie Kociban, Administration and Supervision Elena Rudolforna Kornilova, Administration and Supervision Heather Sue Lamke, Administration and Supervision Erika Lane, Adult Learning Erika Lane, Administration and Supervision Douglas Crumpton Lea, Administration and Supervision Kevin Scott Lee, Administration and Supervision Seth Andrew Lee, Adult Learning Christopher John Lehman, Administration and Supervision Debra A. Lemieux, Gifted Education

Tat-Leung Huen,

Adult Learning

Sandra R. Jenkins,

Patrice Lynette Jackson,

Administration and Supervision

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Masters of Arts in Teaching

The School of Education

Thomas Joseph Acampora Ann Sleeper Adams Fariba Ahdoot William Brian Alexander Diana C. Allen Stephanie Allison Allen Devin Marshall Arkin **Emily Frances Augustine** Elizabeth Ann Austin Courtney Anne Avnaim Ryan C. Bailey Yolanda Janae Barber Shaun Michael Bardell Jocelyn Christina Bartel Lisa Aiken Beckman Robin Michelle Bessler Summer Dawn Bettinger Laura Elizabeth Blessing George Phillip Boyer Dava Brady Meghan A. Brannon Sara Anne Bristor William Daniel Brown Stephen Charles Burrows Barbara Michelle Caraballo Leslie Michelle Catlett Deborah Jeanne Caton Andrew Christopher Cheston Michelle Lyn Chiles Judith Catherine Chinn Christine Anne Chmura Lila Clark Charnell Mandreh Clarke Amber LaKeisha Clemmons Gabriel V. Cohee Ashley Patrice Cook Karen Stuhler Daley Betty Thi Dao Marcus Javon Davis Ludmilla Starodubtseva DeBord Elise Michele DeLamatre Megan K. DeLong Reagan Michele DePola Widelene Desarmes Cristina Elizabeth Duncan Evans Heather Marie Edmunds Reed Laine Caitlin Edwards **Kyle Eichman** Rasha Ahmed El-Haggan Amy Lynn Ensign Luis Alberto Espinoza **Rachel Michelle Evans** Jason M. Farber

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Melissa Leigh Marra Leslie Jean Martinez Kristina Janine Marzullo Carlye Nicole Mascorro Amy Elizabeth Mason Genie O. Massey Elizabeth Mary McCormick Jacquelin Teresa McCoy Robert Christopher McDonald Kevin Michael McKenzie Stacey Alexandra Middleton Kiah S. Mitchell Kimberly Michelle Mooney Helda M. Morad Ed James Moulton Kimberly Lynn Murray Natasha Camille Murray Christine Marie Nelson Matthew Wayne Nickerson Catherine O'Donnell NaKeia Linette Oliver Sarah A. Orao Carrie Patricia Osborne Mairead Elizabeth O'Sullivan Elyssa Anne Ow Diane F. Papier Angela Passeý Carrie Diane Paxton Jennifer Lee Peddycord Amy Rae Peisach Sarah Kathryn Pessagno Rebecca Elizabeth Plummer Dolores Swanchara Plunkett Rebecca Hade Pobee Ashanti Charnette Porter Lisa Marie Prochaska Ian Finn Radke Brian Jeremy Rainville Tameika S. Rease Anne Michelle Reilly Jameson Bradford Rice James W. Riddlesperger LaWanda Riley Natalie Laine Roots Marielle S. Rosen Carl Joseph Rosewater Cassandra Collins Ross Ashley Dawn Rotty Kaitlin McKeon Russo Carleigh Clayton Samson Melissa Anne Sanders Jill Reneé Schechter Deborah Abby Schopf Mark D. Schwersenski Constantia Seas Elizabeth Westbrook Shaulis

Richard Brien Shemer Lizabeth Anne Shrier Lauren Michelle Shuman Kyle Siler-Evans Beth Eva Sisti Erin Michelle Smith Molly Elizabeth Snyder Andrea Marie Soule Kristen Marie Spause Danielle Cynthia Stancil John Lowell Stechschulte Cynthia Stevens Danielle N. Stevens Kelly Anne Stielper Lucas Paul Stough Eugene Arthur Stovall Masami Matsuoka Stratton Theodore Robert Straub Ir. Andrew Reed Sutherland Shawn Amir Swanson Cassandra Ann Szmaida Olga Lidia Talavera Alexis Leigh Teagarden Susan Elaine Thomas Nicole Marie Tietz Valentine Kunbuma Tita Mary Margaret Todd Nicholas James Tomasino Jeremy Aaron Tor Heather Torretta Dawn M. Tuel April Lee Turner Assunta Anna Vitiello Tiffany Leshai Wade Laura Lynne Waller Yvonne Charisse Waller Dana Michelle Walter-Shock ChengXi Wang Whitney Catherine Ward Brittny Lenora Washington Justin Brent Watkins Tyhera N. Watts Rvan John Weidmann Iennifer Ruth Wheeler Warren David Wilkerson Allison Mae Williams Erin Marie Williams Lucille Pastore Wilson Amanda Michelle Witt Summer Denise Wood Katherine E. Wright Emily Susan Yerkes Chevanne Maree Zahrt Alysa Brielle Zellner

Masters of Science

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Michael Andrew Brewer, Education Ebony Elizabeth Brooks, Education Haley Danyel Brown, Counseling Marlo Ann Brown, Education Marlon Antonio Brown, Education Maureen Carrie Brown, Education Nicholas Michael Brown, Special Education Rhiannon Duncan Brown. Education Tia Denene Brown, Special Education John Albert Bruns, Education Courtney Baker Buchanan, Special Education Ana Maria L. Buenaventura, Connseling Torran D. Burrus, Management James Joseph Butler, Education Caryl Legaspi Cabrera, Connseling Suzanne Camp, Counseling Tonette Dawn Campbell, Special Education Jennifer Elizabeth Carinci, Education Michelle Nicole Carter, Management Brandon Anwar Carver, Education Valerie A. Cary, Management Eugenia Chang, Education Lise Frederique Charlier, Education Melvin Clay Cheshier, Management Pilar Sophia Givando Chissell, Special Education Juliet Myung Hae Cho, Education Jeanne Michelle Clay, Counseling Matt Lee Coaty, Education Charles David Coffman, Special Education Athena Danae Cois, Connseling Stephanie Jean Colby, Education Michael Anthony Cometa, Education Katryn Anna Costenbader, Connseling Thomas Joseph Coughlin, Counseling

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Earl Angelinus Harewood, Organizational Connseling Mosette Simone Harmon, Management David Carlton Harris, Connseling Librada Azócar Harris, Connseling Shannon Irene Harrison. Education Jennifer Hart-Walters, Education Morgan Geoffrey Hassler, Management Daniel M. Haste, Special Education Karen Lynn Haven, Education Michael Patrick Hayes, Management Ginger Ann Hedegore, Connseling Michael Lee Hennlein, Management Julie Marie Hiatt, Education Brian Anthony Hickey, Management Christopher Brian Higgins, Connseling James M. Higgins, Management Christi Michelle Hill, Education Osbane Wayne Hill, Management Jeanette Koren Hilty, Education Curt David Himmelberger, Education Lan B. Hoang, Management Teresa Marietta Holler, Special Education Jennifer Joanne Homiak, Special Education Loretta Anita Hood-Woods, Education Angela Annette Hopkins, Education Walter Scott Horbatuk, Special Education Kristen Eleanore Hornbostel, Special Education Jennifer Brooke Hoy, Education Tat-Leung Huen, Education Kristin Amy Hughes, Connseling Kenneth C. Humbel, Management Jennifer Anne Hurley, Management Zara Husain, Special Education Soon Ho Hwang, Education

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Rosemary King, Management

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Meghan Elizabeth Pohlner, Counseling Judith Lorraine Pollock, Counseling Linnea B. Powery, Special Education Erin Marie Praskievicz, Special Education Natalie Bert Proctor, Management Jordan Taylor Pugh, Special Education Stacey Marie Purdum, Education Dennis Michael Raftery Jr., Management Marsha Rosner Ralph, Special Education Sharon Renee Randolph, Special Education Mary Catherine Ricci, Education Angela Marie Ricciuti, Education Cheryl Ross Rice, Education Davis Arthur Rice, Counseling Kimberly Chwan Richardson, Counseling Susan Marlene Richman, Counseling Kristin Thomas Ritchie, Counseling Ali Baba Roberts, Management David Robinson, Counseling Jimmie Edward Robinson, Management Amy Magill Rocha, Special Education Laurie Ellen Rose, Education Pamela Reiber Roth, Special Education James Joseph Rudnick II, Management James Keyes Rumbaugh, Counseling Anthony Lamont Russell Sr., Management Carol Elizabeth Ruzicka, Special Education Lauren Melissa Ryan, Special Education Nasrin Parveen Saikh, Education Amin Amon-Ra Salaam, Education Adam Howard Saltzman, Counseling

Counseling Mayela Salzedo, Special Education

John C. Sancandi, Special Education Florence Michelle Santos. Education Alison Cathleen Yops Sayers, Counseling Ryan Lawrence Schaaf, Education Lauren Elizabeth Schneider, Special Education Heather Michelle Schoenwald, Counseling Laura Beth Schulz, Education Alvin D. Schwapp Jr., Management Todd M. Scriber, Special Education Amy Katherine Scribner, Counseling Katherine Rae Searcy-Goldberg, Counseling Ashley Nicole Sebra, Special Education Judy Sellman-Hrybyk, Education Sylvia Jane Shaughnessy, Education Benjamen N. Shea, Education Ying Shi, Special Education **Quincy Raymont Shockley**, Management Heather Ann Showers. Education Jennifer Susan Shubert, Special Education Sascha John Simkanich, Education Tracie Ann Simmons, Management Ileana Milagros De Jesus Simon, Special Education Jennifer Cohen Simpson, Counseling Kristi Lynn Slawinski, Counseling Charmaine Nicole Smith, Counseling D. Graham Smith, Education Jacalyn Heather Smith, Special Education Jaclyn Reneé Pata Smith, Counseling Margo L. Smith, Counseling William Anton Smith, Management Benjamin Dougherty Hensley Snyder, Counseling

Linda Christine Spagnola, Education Christine Ho Spendley, Organizational Counseling Kimberly Lynn St. John, Education Matthew Robert St. John, Education Emilie Gael Staryak, Counseling Ellen H. Stein. Education Jill Allison Steinberg, Education Julie Lyn Steinbruck, Counseling Dwayne William A. Stevenson, Management Avi Stewart, Counseling Frederick James Stewart III, Management Jennifer Leilani Stuntz, Counseling Kristy Fischer Swarthout, Education Frances Wilhelmina Swenholt, Counseling Scott Matthew Swenson, Management Edward Charles Talik, Management Linda Tate-Mitchell, Special Education Robin J. Teal, Management John Charles Ternent, Management Mary Elizabeth Tessier, Education Robert Richard Thibodeau, Management Jessica Ann Thomas, Counseling Pete D. Thompson, Education Kristen Elizabeth Tilghman, Special Education Phyllis H. Trettien, Education Ann Louise Ueno, Counseling Shawn A. Urbas, Management Maritza Vakas, Counseling Sherry Dutrow Valenti, Education Suzanne Michele Van Horne, Education Michaeline Annette Van Reenan. Education Katherine Lvnn Villani, Education Sarah Hack von Thomsen, Counseling Nylah I. Wahem, Education

Margaret Megan Walewski, Counseling Laurie Elaine Warnke, Connseling Joshua Robert Wasilewski, Education Pamela Carona Watkins, Counseling Gordon Everitt Webb, Education Kathryn Anne Webb, Comseling Wendy Caroline Weil, Organizational Connseling Susan Marie Wellendorf, Connseling Brittany Elizabeth White, Comseling Erica Darice White, Education Michelle Hye White, Special Education Joshua Aaron Williams, Management Leslie Karen Williams, Management Thomas J. Williams, Management Susan Willock, Education Brooke Collin Wilmeth, Special Education Ivan Samuel Wilson, Management Rebecca Lynn Wilson, Connseling Andrew Ivar Wiman, Management Barbara Jean Winters, Connseling Sarah Ashe Wood, Special Education Rose Michele Wooden, Management Kraig Adam Wray, Education Pei-Chi Wu, Connseling Amy L. Yoho, Special Education Elizabeth Krayer Young, Education Jesse Lawrence Young, Education Tracy Zalenski, Management Andrea Leigh Zenyuh, Education Katie Ann Ziesman, Special Education Amanda Ashley Zivin, Special Education Megan Elizabeth Zupa, Education

Post-Master's Certificates

The School of Education

Tamara Lisette Barron, Counseling At-Risk Youth Talya Dawn Bradford, Clinical Community Counseling Jacqueline Carroll Davis, Clinical Community Counseling Merry Madway Eisenstadt, Clinical Community Connseling Renata Martin Emery, Counseling At-Risk Youth Eileen H. Engel. Clinical Community Counseling Diana Fink, Spiritual and Existential Counseling & Therapy Cleotha Fluitt Ir., Counseling At-Risk Youth Cynthia Kovacs Goeller, Clinical Community Counseling Amanda Heather Griner, Clinical Community Counseling Mary Mirski Haile, Clinical Community Counseling Matsune Inoue, Spiritual and Existential Counseling & Therapy Matsune Inoue, Clinical Community Counseling Janet Theresa Moore, Counseling At-Risk Youth Justine E. Murphy, Clinical Community Comseling Marthe Nana. Counseling At-Risk Youtb Lova Lorraine Owens, Counseling At-Risk Youth Gregory John Pennline, Clinical Community Counseling James Joseph Rubin, Comseling At-Risk Youth Kathleen Bennett Schweiker, Clinical Community Counseling April Marie Stachelski, Clinical Community Counseling Melissa Lynn Wesner, Spiritual and Existential Counseling & Therapy

Masters of Science in Nursing

The School of Nursing

Laura E. Adler Lindsay Anne Ausherman Christina Jean Banks Rachel Meredith Bergman Thomas A. Bernadzikowski Sallie Anne Brovitz-Palmer Margaret Carpino Iulia Michelle Caschera Carrie A. Chamberlain Suzanne M. Cowperthwaite Lucia Diaz Jessica Eileen Draughon Lvnn Ann Fauerbach Lisa Marie Fratino Casey Shannon Fryer Heather M. Gardner Carol Marie Gentry Kathleen Marie Grudzien Erica Lynn Hall Margaret Ann Hamilton Kari Ryan Horne Jennifer Lynn Inzer Anny Mey Kao Greer Day Kneip Jae Ok Lee Diane Marie Lepley Rebecca Lauren Lozman Elizabeth Ann Mauk Marandola Fionnuala Siobhann McConnell Catherine Ann Miller Bhavini Bharat Mody Michelle Anne Patch Christine Althea Poulos Doris Qano Alisha Lauren Rabhan Grace Ramaiah Mary Anna Rice Sara Ann Rocheford Jocelyn Cunanan San Mateo Laura Rose Schwartz Lisa Linn Seaman Laura Danielle Selway Miriam Sadres Shapiro Christine Lynn Smith Po Ning Soo-Hoo Kathryn Elizabeth Spates Noelle Lauren Reed Stewart Lauren Ann Stoian Lori Diane Van Gosen Katherine Marie Winter Korrina Wailonna Wong EunJu Yang Melanie Zimmermann Irvne Nakato Zziwa

Masters of Science in Nursing/Masters of Business Administration

The School of Nursing and The Carey Business School

Jennifer Mary Dupee Maria Christina M. Geronimo Jeannie Lee

Masters of Science in Nursing/ Masters of Public Health

The School of Nursing and Bloomberg School of Public Health

Aliya Susan Baig Tasha A. Beck Jill Antoinette Crank Hillary Jordan Drumm Sonja Hayden Emerson Christina Marie Fusco Christina Buraporn Khaokham Susan P. Koo Mary Ellen McEvoy Michelle Mar Rumble Shirley Vong Elizabeth Billings Whitfield Lai Sze Wong

Graduate Performance Diplomas

The Peabody Conservatory of Music

Cruz Taylor Almao, Violoncello Ani Avvazian, Piano Jong-Hun Bae, Conducting Kyung-Hye Baek, Piano Elizabeth Inyoung Spies Bates, Voice. Rebecca Elizabeth Bell, Voice Katarzyna Bryla, Chamber Music Jason Buckwalter, Voice Adriana Casillas Barros, Violoncello Hevk Chae, Opera Sonya Chung, Violin Ljubomir Ryu Cipris, Flute Avlana Eisenberg, Conducting Mark Cameron Ericksen, Violin Tao Ge, Trumpet Anne Marie Gill, Voice Michael Edward Hardy, Gnitar

Sarah Kate Hershman, Voice Sungjoo Hong, Violin Adam Keith Hopkins, Fazz Double Bass Hakseon Jeong, Violincello Haejun Joo, Horn Jung-Eun Kang, Piano Min Hyuk Kim, Trumpet Bonnie Lander, Voice and Computer Music Eung Jun Lee, Voice Jung Min Lee, Oboe Jung Min Lee, Piano Bomi Lim, Piano Karyn Susanne Myers, Voice Hyun-Ji Park, Piano Bryce Peltier, Recorder Mia Raquel Pomerantz, Guitar Robert Patrick Rafferty, Guitar Kevin James Shannon, Gnitar Martin Philip Shultz, Violin Hyo Jung Song, Piano Tasha Nicole Thomas, Voice Stephen John Tunstall, Gnitar Nimrod Weisbrod, Voice Kevin Wetzel, Voice

Masters of Music

The Peabody Conservatory of Music

Jessica L. Abel, Voice/Pedagogy Julie Ahn, Violin Nicholas S. Anderson, Composition John F. Armato, Early Music and Lute Performance Kyle Andrew Augustine, Donble Bass Teresa Lynn Bjornes, Baroque Violoncello Jessica Lee Ann Blackwell, Violin/Pedagogy Miguel Alfonzo Bolivar, Saxophone and Composition Douglas Allan Buchanan, Composition/Music Theory Pedagogy Mary-Margaret Buchanan, Harp Clara Therese Campbell, Piano/Pedagogy Adam L. Caughey, Voice Karen Chan, Piano Tzu-Yi Chang, Piano Yin-Ju Chang, Piano

I-Hsuan Chen, Violin Moonki Cho, Piano Sookkyung Cho, Piano Eun Jin Choi, Piano Jihye Cecilia Choi, Piccolo Brian Lloyd Christian, Composition Kevin Clark, Composition Tasha Marie Clearman, Viola Elizabeth Hughes Cooper, Voice Mark Francis Dillon, Harp Patrick Joseph Donnelly, Computer Music and Musicology Dustin Michael Doyle, Wind Conducting Katherine Fay, Voice Caitlin Redmond Fischer, Voice Michael John Gamon, Viola/Pedagogy David García, Oboe Aaron S. Grad, Composition Charles Lawrence Halka, Composition/Music Theory Pedagogy Mi Yeon Han, Ensemble Arts: Vocal Accompanying Stephen Dale Harouff, Organ Felix C. Hell, Organ Julia R. Hershberger, Musicology Jie Hea Hong, Piano Yu-Jen Hsu, Tromboue Yi-Wen Hung, Voice Laura Heawon Hwang, Viola Ji Hyun Jang, Voice Yun-Yao Kao, Piano Ahreum Kim, Violin/Pedagogy Geon Joo Kim, Clarinet Heejung Kim, Flate Heeyeon Kim, Viola Insun Kim, Piano Irene Sunyoung Kim, Piano Ji Young Kim, Piano Jihee Kim, Voice Jiyoon Kim, Violin Mun Kyung Kim, Piano Adam R. Knauss, Composition/ Music Theory Pedagogy Geoffrey James Knorr, Composition Gi Yeon Koh, Violin Alexandra Sasha Kozlov, Piano Ssu-Yu Lai, Violin Julian Ainsworth Ledford, Voice Doreen Cynthia Lee, Piano Kwi Yup Lee, Oboe

Peter Wen Chih Lee, Voice and Early Music Somyoung Lee, Piano Si-Yan Darren Li, Violoncello Cheng-Yin Lin, Violin Hsiao-Ying Lin, Piano Edward David Lonsinger, Trombone Katherine Elaine Loughrey, Harp Thomas N. Mascola, Gnitar Yuko Matsuda, Piano Danny Lee Miller, Trumpet Alexander Milovanov, Guitar Jamie K. Namkung, Piano Ji-Sun Oh, Violin Sungho Paik, Organ Han Gyul Park, Bassoon Ji-Eun Park, Voice Stefan Zhanov Petrov, Piano Andréa Picard, Violin/Pedagogy Jacob Abraham Polasky, Composition Lark Louise Powers, Piano/Music Theory Pedagogy Hollis Elisabeth Roberts, Violin/Pedagogy Evan Matthew Rogers, Composition David William Ross, Guitar Cara C. Salveson, Saxophone Andrew Douglas Sauvageau, Voice Dana N. Scott, Ensemble Arts: Vocal Accompanying Katherine Taylor Scott, Organ Karen Lvnn Seward. Music Education Bu Kyung Shin, Piano Eric Robert Stewart, Composition Jessica Tong, Violin Tina Tsai, Clarinet Amanda Varrone, Voice/Pedagogy Maureen Walsh, Saxophone Kuan-Ting Wang, Piano Miaomiao Wang, Ensemble Arts: Vocal Accompanying Ya-Meng Wang, Gnitar Yubing Wang, Trampet Christopher Martin Winters, Music Education Jung Ae Woo, Piano Ming-Ching Wu, Piano and Ensemble Arts: Vocal Accompanying

John Xia, Violin Elena Yakovleva, Flnte Ting-Erh Yang, Piano Yu-Chan Yeh, Piano Sun Joo Yeom, Piano Ting Yao Yu, Bassoon Sinon Zaleski, Composition, Harpsicbord and Musicology

Masters of Arts

The Peabody Conservatory of Music

Jeffrey Phillip Baker, *Andio Sciences* John Koufman Leckie, *Andio Sciences* Jooheun Lee, *Andio Sciences* Shaun A. Roberts, *Andio Sciences* In-Kyung Song, *Andio Sciences* Andrew Robert Stella, *Audio Sciences* Daren L. Vaughn, *Andio Sciences*

Masters of Science

Bloomberg School of Public Health

Jessica Young Adcock, Health, Bebavior and Society Andrew John Armstrong, Clinical Investigation Blake Frank Charvat, **Biostatistics** Edward Eun Cho, Biochemistry and Molecular Biology Diane Theresa Dalo, Biochemistry and Molecular Biology Jaclyn Douyard, Health, Bebavior and Society Courtney Gamston, Molecular Microbiology and Immunology Veena G. Goud, Epidemiology Joanna Grzadziel, Biochemistry and Molecular Biology Sheng-Chih Jin, Biostatistics Lisa Krain, Epidemiology Joshua Todd Kyle, Biochemistry and Molecular Biology Peter Murakami, Biostatistics Courtney D. Nichols, Health, Behavior and Society

Pooja Ramchandran, Health, Behavior and Society Kathryn Ashley Shaw, Molecular Microbiology and Immnnology Michelle Nicole Stram, Biochemistry and Molecular Biology Matthew Joseph Thomas, Health, Behavior and Society Suvan Tian, Biostatistics Thomas J. Visone, Biochemistry and Molecular Biology Katie Leigh Voss, Health, Behavior and Society Cherise Wong, Epidemiology

Masters of Health Science

Bloomberg School of Public Health Blair Rose Abelson, Environmental Health Sciences Daniel Youngjun Ahn, Biochemistry and Molecular Biology Chelsea Anderson, Molecular Microbiology and Immunology Dara Saran Antrum, Health Policy and Management Abdulgafoor Mahmood Bachani, International Health Hossein Bahrami, Biostatistics Laura Elizabeth Baldassari, Epidemiology Kevin Gordon Baldie, Biochemistry and Molecular Biology Cassandra Jordani Batichon, Environmental Health Sciences Lauren Marie Baumann, Environmental Health Sciences Erin Marie Bednarek, International Health Renata Hughes Benjamin, International Health Jesse David Berman, Environmental Health Sciences Julius Birnbaum, Clinical Investigation Debika Biswal, Biochemistry and Molecular Biology Virginia Barton Bowen, Population, Family and Reproductive Health

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Epidemiology

Kieran Alison Evans, International Health Kira Elizabeth Evans, Epidemiology Karishma Fatabhov, Biochemistry and Molecular Biology Sean Patrick Fitzwater, International Health Christina L. Fontecchio, International Health Robyn Dubrov Foreman, International Health Dorina Frasheri, Biochemistry and Molecular Biology Meredith Friend, Biochemistry and Molecular Biology Edward O. Garcia III, Health Policy and Management Lakisha Janeen Gaskins, Biochemistry and Molecular Biology Theiline Twehdi Gborkorquellie, Biochemistry and Molecular Biology Kristin Kathleen Wilde Giuliani, International Health Amanda Kim Glazer, Health, Behavior and Society Elizabeth Field Goodspeed, Health Policy and Management Kim Lesley Goring, **Clinical Investigation** Amy Loren Gross, Biochemistry and Molecular Biology Jeffrey Charles Grosser, Environmental Health Sciences Cassandra Marie Gurgiolo, Environmental Health Sciences Cynthia Alease Hadley, Health Policy and Management Kelly Hamblin, International Health Moath F. Hamzeh, Mental Health Victoria Lynn Handa, Epidemiology Alec S. Harris, Molecular Microbiology and Immunology Elizabeth Anne Haytmanek, International Health Shira Heletz, Biochemistry and Molecular Biology Holly K. M. Henry, Health, Behavior and Society

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Population, Family and Reproductive Health Devina Prasad, Epidemiology Mona Rahmani, International Health Radha Rajan, International Health Girish Sadashiya Rao. Biochemistry and Molecular Biology Naveen D. Rao, Mental Health Gerald Ali Rasheed, Biochemistry and Molecular Biology Uzma Rasool, Health Policy and Management Mona Rezapour, Biochemistry and Molecular Biology Tasia Moné Richards, Environmental Health Sciences Erica Nicole Rosser, International Health Dani Khalil Saba, Mental Health Biswajit Kumar Saha, Molecular Microbiology and Immunology Sunny Sahajwani, Molecular Microbiology and Immunology David Felix Salinas, Health Policy and Management Phillip Stephen Sarnowski, Health Policy and Management Benjamin L. Schellhase, Molecular Microbiology and Immunology Sally Anne Schlippert, International Health Maik Horst Schutze. Health Policy and Management Nadia Lee Scott, Population, Family and Reproductive Health Tariq Shafi, Epidemiology Neil B. Shah, Biochemistry and Molecular Biology Fazila K. Shakir, Epidemiology Hemant Prashad Sharma, Epidemiology Mona Sharma, Mental Health Whitney A. Sheen, Health Policy and Management Tiffany Shiau, Biochemistry and Molecular Biology Rahul Ramchandra Shidhaye, Mental Health

Huei-Woan Shu. International Health Jennifer K. Sin, Health Policy and Management Geetika G. Singh, Health Policy and Management Monica Sinha, Biochemistry and Molecular Biology Deborah Susan Sitrin, Population, Family and Reproductive Health Miêka Jasmine Gillette Sınart, Mental Health Lorie Benton Smith, Epidemiology Virginia Elizabeth Smith, Environmental Health Sciences Stephen Martin Sozio, Epidemiology Stephen Bradley Stake, International Health Allison Elaine Stone, International Health Richard Hidalgo Tapnio, Biochemistry and Molecular Biology Charlene Renee Taylor, International Health Katherine Celeste Teela, International Health Keson Theppeang, Biostatistics Cicely Joi Toomer, Biochemistry and Molecular Biology Jaimie Shannon Toronev, Mental Health Konstantinos K. Tsilidis, **Biostatistics** Sharon Turban, Epidemiology Theophilus Itua Ugheghe, Biochemistry and Molecular Biology Nadia Urban, Epidemiology Andrea Vallenilla, Molecular Microbiology and Immunology Suzanne Van Hulle, International Health Kirsten Siri Vannice. International Health Janani Vijayaraghavan, International Health Emma Westerbeek Viscidi, Mental Health Laura Wadler. Health, Behavior and Society

Burton Timothy Wang, Biochemistry and Molecular Biology Shuai Wang, Biostatistics Christina Victoria Warner, Biochemistry and Molecular Biology Keahnan Patrick Washington, Biochemistry and Molecular Biology Allisandra Wen, Biochemistry and Molecular Biology Cara Ioan Whelton. Health Policy and Management Christine Nichole Williams, Health Policy and Management Erica Hope Williams, Biochemistry and Molecular Biology Katherine Williams. International Health Andrea Mae Wilson. International Health Allison Ashley Wishon, Mental Health Angie Ting Wai Wong, Population, Family and Reproductive Health Judy Hsin I. Wong, Biochemistry and Molecular Biology Christine Ann Yankowski, Biochemistry and Molecular Biology Marissa L. Pine Yeakey, Population, Family and Reproductive Health Benjamin Yim, Molecular Microbiology and Immunology Grettel Johanna Zamora-Berridi, Biochemistry and Molecular Biology Yivi Zhang, Epidemiology

Masters of Public Health

Bloomberg School of Public Health

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Aimalohi Agnes Ahonkhai Vanita Ahuja Oladayo Oluwole Akinwolemiwa Rola Mustafa Alemam Karen Vierling Allen Sally Altland Laila Ann Amara-Suliman Shukhrat Aminov Jennifer Star Armistead Kristen Smith Armstrong Abigail Johanna Arons John Geoffrey Ascah Danny Theja Kumar Avula Ganesh Avlur Kailasam Jacquineau Azetsop Florence Olufunmilavo Bada Farah Nikhath Bader Olutola Jemima Bamsa Sudeep Baneriee Kristen Michelle Barba Lauren Barbour Lindsey S. Barrick Allyson Perry Bear Allison Brooke Belenvire Ruth Marie Belin Maria Caroline Bell Melania M. Bembea Kristen Leigh Bennett Daniel Ralph Berg Jay R. Bernstein Rafael Bevar Elda Ana Bordon Karina I. Bouffard Elizabeth Marie Brennan LaPrincess Cerise Brewer Megan Elizabeth Brooks Dennis Martin Brophy Laura Hershey Brubaker Melissa Suzanne Camp Elizabeth Campbell John Peter Campbell Jonathan Castillo Porter Claire Champion Subhash Chandir Christina M. Chang Christine Sutine Chang Susan Soon Mee Chang Erica Christen Chapin Lorena Chavéz Joachim Onochie Chijide Wesley Chodos Kristin Chrouser Cassidy W. Claassen Juliano Coelho de Souza Timm Joan M. Coleman J. Leocadia Pietrowski Conlon

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Doctors of Philosophy

The School of Medicine

Russell Charles Addis. Human Genetics. Identification of Transcription Factors that Direct Dopaminergic Neuron Development through the Regulation of NURR1 Expression. Elin Simms Agoston, Pharmacology and Molecular Sciences, Vitamin D Analogs as Cancer Preventive Agents: Mechanisms of Efficacy and Toxicity. Jonathan Kimball Alder, Cellular and Molecular Medicine. The Role of Kruppel-Like Factor Four in Hematopoiesis. Sami Alom Ruiz, Biomedical Engineering. Investigating the Differentiation of Mesenchymal Stem Cells in Two-Dimensional and Three-Dimensional Multicellular Environments. Rebecca Shannon Alvania, Neuroscience. Neurotrophin Signaling and Transcription Factor Regulation in the Developing Nervous System. Sudarshan Anand, Molecular **Biology** and Genetics-Program in Immunology. Light, Lymphotoxin Beta Receptor and Herpes Virus Entry Mediator: Mediators of Cell Death and Proliferation. Benjamin Miller Auerbach, Functional Anatomy and Evolution. Human Skeletal Variation in the New World During the Holocene: Effects of Climate and Subsistence Across Geography and Time. Mark Magdi Awad, Cellular and Molecular Medicine. Genetics of Arrhythmogenic Right Ventricular Dysplasia/ Cardiomyopathy (ARVD/C). Sharba Bandyopadhyay, Biomedical Engineering. Spectral and Temporal Processing in the Dorsal Cochlear Nucleus. Daniel Ari Bendor, Biomedical Engineering. Temporal Processing in Primate Auditory Cortex. Nirveek Bhattacharjee, Biomedical Engineering. Spatio-Temporally Programmed Genetic Transformation in a Living-Cell Array. Amy Marie Booth, Biochemistry, Cellular and Molecular Biology Training Program-Biological Chemistry. Modeling HIV as a Trojan Exosome. Crista M. Brawley, Biochemistry, Cellular and Molecular Biology Training Program-Cell Biology. The Repopulation and Regulation of Two Different Stem Cell Lineages in One Stem Cell Niche: The Germline and Somatic Stem Cells in the Drosophila Testis. Kimberly Jane Briggs, Cellular and Molecular Medicine. A Role for Tumor Suppressor Hic1 in Cerebellar Development and Medulloblastoma. Amanda Jewell Chase, Cellnlar and Molecular Medicine. **Regulatory** Mechanisms Controlling HIV-1 Induced Immune Activation. Wei Chen, Human Genetics. A Genomic Screen for DNA Hypermethylome in Human Cancer. Alan McLaurin Cheshire, Biomedical Engineering. Genetic and Mechanical Analysis of Tube Morphogenesis in the Living Drosophila Embryo. Curtis Robert Chong, Pharmacology and Molecular Sciences. Two Approaches to

Drug Discovery.

Samuel Lester Collins, Molecular Biology and Genetics-Program In Immunology. Opposing Regulation by Egr-1/Nab2 and Erg-2/Erg-3 Determines the Outcome of T Cell Receptor Engagement. Staci Deaton Cummings, Pharmacology and Molecular Sciences. Id1 Promotes the Oncogenic Phenotype in Melanoma and Breast Cancer. Renée Nicole Domergue, Cellnlar and Molecular Medicine. Expression Patterns and Regulation of a Candida galbrata Adhesin, EPA6. Manus J. Donahue III,

Program in Molecular and Computational Biophysics. Understanding the Relationship Between Neuronal Activity and the Hemodynamic Response Through Development and Application of Non-Invasive Vascular-Based Magnetic Resonance Imaging Pulse Sequences.

Kimberly Anne Dowd, Molecular Biology and Genetics-Program in Immunology. Measuring Hepatitis C Virus Specific Neutralizing Antibodies in Humans.

Xin Duan, *Neuroscience*. Disrupted-in-Schizophrenia 1 Regulates Integration of Newly Generated Neurons in the Adult Brain.

Justyna Maria Dudaronek, Biochemistry, Cellular and Molecular Biology Training Program–Molecular Biology and Genetics. Innate Immune Responses to SIV Infection: IFN-beta as an Important Factor in Control of Early SIV Replication in the CNS. Steven Jeffrey Eliades, *Biomedical Engineering*. Auditory-Vocal Interactions in the Primate Auditory Cortex.

Marcel André Estévez, Cellular and Molecular Medicine. Regulation of Neuronal RhoA Guanine-Nucleotide Exchange Factor, Tech, and Its Interaction with Synaptic Scaffold Protein, MUPP1. Tamara Sol Flys, Cellular and Molecular Medicine.

Emergence and Fading of HIV Drug Resistance after Single Dose Nevirapine for Prevention of Mother-to-Child Transmission.

Su Gao, *Biological Chemistry*. Leptin Activates the Hypothalamic Acetyl-Coenzyme A Carboxylase to Inhibit Food Intake. Erika Beth Gebel, *Program in Molecular and Computational*

Biophysics. Multiple Alignment Tensors from a Denatured Protein. Yefei Han, *Biochemistry*,

Cellular and Molecular Biology Training Program– Molecular Biology and Genetics. Molecular Mechanisms of HIV-1 Latency and Role of Polymorphisms in Elite Suppressors.

Kristi Lynn Helke, *Patbobiology*. The Role of 14-3-3 in SIV Neurodegeneration.

Jennifer Anna Henderson, *Neuroscience*. Tech, a RhoA GEF, Regulates Dendritic Morphology.

Alex Ansun Huang, *Neuroscience*. D-Aspartate: Formation, Function, and Degradation in Mammals. Bruce K. Huang, *Pathobiology*.

Enhancement of DNA Vaccine Potency for Tumor Immunotherapy Against Cervical Cancer.

Vincent Sheng-Wen Huang, Biomedical Engineering. Enhancing Motor Learning Through Theoretical and Experimental Methods: Acquisition, Retention, and Learning Strategies. Adam Lucas Hughes, Biochemistry, Cellular and Molecular Biology Training Program-Cell Biology. Oxygen Sensing and Regulation of Sterol Homeostasis in Fission Yeast and Mammals. Bridget Todd Hughes, Biochemistry, Cellular and Molecular Biology Training Program-Cell Biology. Oxygen Sensing and Hypoxic Gene Regulation in Fission Yeast. Nathaniel Suk-Yeon Hwang, Biomedical Engineering. Microenvironment-Specified Lineage Commitment of Musculoskeletal Progenitor Cells Derived from Human Embryonic Stem Cells. Edel Maria Hyland, Biochemistry, Cellnlar and Molecular Biology Training Program-Molecular Biology and Genetics. Probing the Multifaceted Function of the Saccharomyces cerevisiae Nucleosome Through Histone Mutagenesis. Elias Bassam Issa, Biomedical Engineering. The Processing of Sounds in Auditory Cortex During Sleep. Krishna Rangadhamarao Juluri, Cellular and Molecular Medicine. Inositol Pyrophosphate Regulation of SIRT1. Tarja Alison Juopperi, Pathobiology. Functional and Molecular Characterization

of a Primitive Bone

Marrow-Derived Stem Cell.

Emmanouil Demetriou Karagiannis, *Biomedical Engineering*. A Systematic Methodology for Genome-Wide Identification of Antiangiogenic Peptides.

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- Young Kwon, *Biological Chemistry*. Regulation of TRP Channels by Phosphoinositide Signaling.
- Zhengdao Lan, *Cellular and Molecular Medicine*. The Association of Polycystin-1 with Apical-Basolateral and Planar Cell Polarity Complex and Its Biological Implications.
- Hyeseung Janice Lee, Biomedical Engineering. Novel Bio-Synthetic Hybrid Materials and Coculture Systems for Musculoskeletal Tissue Engineering.
- Christopher Andrew Lemmon, Biomedical Engineering. Cell Assembly of Extracellular Matrix Through Modulation of Traction Forces.
- Jing Liang, Program in Molecular and Computational Biophysics. Serendipitous Discovery of an Allosteric Zinc Binding Site in an Engineered Protein.

Kai-Wei Lin, Molecular Biology and Genetics-Program in Immunology. DynoPoSSuM: Prediction of MHC Class Irestricted Epitopes Coupling a Dynamic Database with a Position-Specific Scoring Matrix and Its Application. Eric Richard Lutz, Molecular Biology and Genetics-Program in Immunology. Mesothelin: A New Target for luminization Against Pancreatic Cancer. Kelly Marie McGarvey, Cellular and Molecular Medicine, DNA Methylation and Histone Modifications: Connections in a Cancer Setting. Niraj Rajendra Mehta, Pharmacology and Molecular Sciences. The Role of Nogo-Receptor and Gangliosides in Myelin-Associated Glycoprotein-Mediated Axonal Regeneration and Protection. Mariana Melani, Biochemistry, Cellular and Molecular Biology Training Program-Biological Chemistry. Genetic Regulation of Collective Cell Migration. Seok Jun Moon, Biological Chemistry. Molecular Genetics of Drosophila Taste Transduction. Kazunori Murata, Patbobiology. Studies on C4d as a Marker of Allograft Rejection in Animal Models. Lauren Jeanne Neal, Biomedical Engineering. Representation of Object Size in the

Somatosensory System. Sekyung Oh, Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics. Regulation of the Transcriptional Effector Cubitus Interruptus by Hedgehog-Responsive and -Unresponsive Complexes.

Omonike Arike Olaleye, Pharmacology and Molecular Sciences. Methionine Aminopeptidases from Mycobacterium Tuberculosis as Novel Anti-Tuberculosis Targets. Jason Michael Organ, Functional Anatomy and Evolution. The Functional Anatomy of Prehensile and Nonprehensile Tails of the Platyrrhini (Primates) and Procyonidae (Carnivora). Una Park, Neuroscience. In vivo Function of Transient Receptor Potential Vanilloid 2 (TRPV2). Emily Cora Patterson, Molecular Biology and Genetics-Program in Immunology. Hepatitis C Virus Antigen-Specific T Cell Receptor Repertoire Complexity in Infected Individuals. Supratim Ray, Biomedical Engineering. Effects of Attention on ECoG High-Gamma Activity in Humans and Relationship of High-Gamma to Single-Unit Activity in Non-Human Primates. Elizabeth Maureen Reichl, Biochemistry, Cellular and Molecular Biology Training Program-Cell Biology. Cvtokinesis Contraction Through the Remodeling of a Disordered Actin Network. James Arthur Schafer Jr., History of Medicine. Finding a Niche: Doctors, Urban Change, and the Business of Private Medical Practice in Philadelphia, 1900-1940. Andrei Dumitru Sdrulla, Neuroscience. Imaging the

Neuroscience. Imaging the Structure and Dynamics of Living Purkinje Cell Dendrites. Lauren Amy Seiple, *Pbarmacology and Molecular Scieuces.* Uracil Base Excision Repair as a Therapeutic Target.

Karen Sandell Sfanos, *Cellular and Molecular Medicine*. A Comprehensive Analysis of Infectious Agents and Prostate-Infiltrating Lymphocyte Populations in Men with Prostate Cancer.

Divya Sharma, Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics. Biochemical Characterization of Ribosomal States Involved in Decoding and Translocation.

Jason Dennis Shepherd, *Cellular aud Molecular Mediciue*. Arc Mediates Homeostatic Synaptic Scaling of AMPA Receptors via Its Interaction with the Endocytic Machinery.

Molly Barbara Sheridan, Cellular and Molecular Medicine. Genetic Heterogeneity in Cystic Fibrosis.

Rachel Ruckdeschel Smith, Biomedical Engineering. Cardiac Progenitor Cells: In Vitro and In Vivo Characterization.

Lai Hock Tay, *Biomedical Engineering*. Live-Cell Transforms Between Calcium Transients and FRET Responses for Troponin C-based Calcium Sensors: Their Application to Probe Calcium in the Calcium Channel Nanodomain.

Stina Maria Tucker, *Patbobiology*. Amyloidbeta Immunotherapy as a Treatment and Diagnostic Modality in Alzheimer's Disease. Shey-Cherng Tzou, *Cellular and Molecular Medicine*. Autoimmune Hypophysitis: Insights from a New Mouse Model.

Marc Aldridge Vaillant, *Biomedical Engineering.* Diffeomorphic Surface Matching via Currents and Tangent Space Representations for Statistics on Diffeomorphisms. Matthew Paul Vaughn, *Pharmacology and Molecular*

Sciences. Glutathione S-Transferase PI Expression and Function in Liver.

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David Michael Wasserman, Biochemistry, Cellular and Molecular Biology Training Program-Biological Chemistry. Molecular Genetics of Drosophila Visual Transduction.

Edward Keith Wright Jr., Human Genetics. Single Nucleotide Polymorphisms in the CCL2 Promoter: Contribution to SIV/HIV Central Nervous System Disease.

Melissa Anne Wright, Cellular and Molecular Medicine. Kinase and Phosphatase Mutations in Leukemia.

Pei-Ying Wu, Program in Molecular and Computational Biophysics. New Catalytic Residue in Ubiquitin Conjugating Enzymes and Effects of Polyubiquitylated Substrate Structure on Proteasomal Degredation.
Qiaojie Xiong, Cellular and Molecular Physiology. Chemical Activation of Voltage-Gated Potassium Channels. Hung-Chih Yang, Molecular Biology and Genetics-Program in Immunology. A Potential Approach for Eradication of HIV-1 Infection: Reactivation of Latent Virus. Elaine Marie Youngman, Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics. A Mechanic Study of Peptide Bond Formation and Peptide Release on the Ribosome. Matthew James Youngman, Biochemistry, Cellular and Molecular Biology Training Program-Cell Biology. The Mmm2 Protein Controls Mitochondrial Shape in Saccharomyces cerevisiae by Determining Mitochondrial Protein Content. Paul Edmund Zarek.

Pharmacology and Molecular Sciences. Extracellular Adenosine and the Adenosine A2A Receptor Promote T Cell Tolerance and Regulatory T Cells. Zhixing Zhao, Biological

Chemistry. Studies on the Segregation and Maintenance of the Trypanosome Mitochondrial Genome. Xiaoli Zhong, Cellular and Molecular Physiology. Alternative Splice Sites and Transcript Variations of CACNA1H: A Human T-Calcium Channel Gene Candidate for Idiopathic Generalized Epilepsies.

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The G.W.C. Whiting School of Engineering

Khaled Zakarya Abd-Elmoniem Ahmed, *Electrical and Computer Engineering*. Fast Measurement of Heart Motion Using MRI: Systems, Sequence, and Algorithms.

Moheeb M. Abu Rajab, *Computer Science*. Toward a Better Understanding of Internet-Scale Threats.

Tabish Almas, *Electrical and Computer Engineering.* Predicting Mechanisms of Arrhythmia in Cardiac Ventricular Tissues.

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Stephen E. Fischer, *Chemical* and Biomolecular Engineering. Self-Assembling Triblock Proteins for Biofunctional Surface Modification.

Xue Han, *Materials Science* and Engineering. Diffraction Studies of Fluid Lipid Bilayers with Membrane Proteins.

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Samuel Kit Bunn Lai, *Chemical* and Biomolecular Engineering. Mucus Penetrating Therapeutic Nanosystems.

Aaron David Lazarus, *Civil Eugineering*. Development and Optimization of a Shape Memory Alloy Wave Energy Dissipation System for Offshore Applications.

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- Lijie Liu, *Electrical and Computer Engineering*. On Filter Bank and Transform Design with the Lifting Scheme.
- Yu David Liu, *Computer Science*. Interaction-Oriented Programming.
- Zan Liu, Mechanical Engineering. Experimental Study of the Effects of a Nonuniform Electric Field on Bubble Detachment and Heat Transfer in Nucleate Pool Boiling.
- Zhu Liu, *Materials Science* and Engineering. Magnetic Nanotubes and Nanoporous Gold Nanowire Sensors.

Dimitrios Loizos, *Electrical and Computer Engineering*. A Multi-Dithering Controller with Sub-Microsecond Response Time: Analysis and SiGe BiCMOS Implementation.

Wei Long, Geography and Environmental Engineering. Study of Small Particle Transport in Porous Media.

Xiaoqi Lu, *Computer Science*. Coqa: a Concurrent Programming Model with Ubiquitous Atomicity. Tianzhi Luo, *Materials Science* and Engineering. In Situ Stress Measurement of Thin Film Growth by Electrochemical Deposition: The Correlation Among Stress, Morphology and Microstructures.

Tanu Malik, *Computer Science*. Large Scale Data Management for the Sciences.

Panadda Marayong, *Mechanical Engineering*. Motion Control Methods for Human-machine Cooperative Systems.

Lambert Mathias, *Electrical* and Computer Engineering. Statistical Machine Translation and Automatic Speech Recognition Under Uncertainty.

Anant Mathur, *Materials Science* and Engineering. Mechanics and Kinetics of Platinum Heteroepitaxy on Gold.

Amy Elizabeth Menzer, Geography and Environmental Engineering. Smart Growth and the Scaling of Community Interest in Baltimore County, Maryland: A Case Study of Revitalization in Essex-Middle River.

Xiao Mo, Materials Science and Engineering. Design and Synthesis of Collagen Mimetic Peptide Derivatives for Studying Triple Helix Assembly and Collagen Mimetic Peptide-Collagen Binding Interaction.

Someet Narang, *Chemical and Biomolecular Engineering*. Metabolic Engineering of Insect and Mammalian Cells to Improve Product Quality.

Tarangsri Nivitchanyong, Chemical and Biomolecular Eugineering. Applications of Anti-apoptosis Genes in Sindbis Virus Expression System and in Perfusion Bioreactor.

Bhasker Paliwal, Mechanical Engineering. The Failure of Brittle Materials Under **Overall Compression:** Effects of Loading Rate and Defect Distribution. Wooram Park, Mechanical Engineering. Inverse Problems in Structural **Biology and Flexible Needle** Steering. Parag Dinesh Pawar, Chemical and Biomolecular Engineering. Receptor-Mediated Intercellular Interactions Pertinent to Infection and Inflammation Under Shear. Budirijanto Purnomo, Computer Science. Mesh Processing Techniques on Graphics Hardware. Brian Elias Schuster, Mechanical Engineering. Micro-Pillar Compression of Nanocrystalline and Amorphous Metals. Pratap Singh, Chemical and Biomolecular Engineering. Novel Therapeutic Agents for Prostate Cancer Treatment. Francesco Soranna, Mechanical Engineering. Experimental Study of Complex Flow and Turbulence Structure Around a Turbomachine Rotor Blade Operating Behind a Row of Inlet Guide Vanes. Rodrigue Francois Spinette, Geography and Environmental Engineering. Fouling of a Hydrophobic Microfiltration Membrane by Algae and Algal Organic Matter: Mechanisms and Prevention. John Paul Stralka, Electrical and Computer Engineering. Applications of Orthogonal Frequency-Division Multiplexing (OFDM) to RADAR. Liang Tan, Applied Mathematics

Liang Tan, Applied Mathematics and Statistics. Numerical Evaluation of Multi-state American Option. The Classification and Evolution of Local Features in the Mechanics of Heterogeneous Media. Francesco Vincenzo Gualtiero Tenore, *Electrical and Computer Engineering*. Biomorphic Circuits and Systems: Control of Robotic and Prosthetic Limbs. Mark Andrew Thober, *Computer Science*. End-to-

Libin Tan, Civil Engineering.

Security for Java. Susan Napier Thomas, *Chemical and Biomolecular Engineering*. Selectin Ligand Expression Regulates the Vascular Interactions of Colon Carcinoma Cells: Identification and Biochemical Characterization of Sialofucosylated Selectin Ligands and Their Role In Hematogenous Metastasis.

End Information Flow

Robert Joseph Thompson, Mechanical Engineering. Experimental Techniques for the Characterization and Development of Thermanl Barrier Coating Bond Coat Alloys.

Jonathan Charles Trenkle, Materials Science and Engineering. Welding Bulk Metallic Glass Using Nanostructured Reactive Multilayer Foils.

Jorge Vasconcelos Santillán, *Computer Science*. Development of a Web-Based Surveying Instrument to Identify Problem-Solving Abilities Related to Effective Instruction in Computer Programming.

Yi-Lan Wang, Materials Science and Engineering. Development of Multifunctional Collagen Scaffolds Directed by Collagen Mimetic Peptides. Robert James Webster III, Mechanical Engineering. Design and Mechanics of Continuum Robots for Surgery.

Charles Verdo Wright, Computer Science. Statistical Analysis and Information Leakage Attacks on Encrypted Network Traffic. Liu Yang, Electrical and Computer Engineering. Mathematical Modeling of Dictvostelium discoideum Chemotaxis: Gradient Sensing and Motility. Hsin-Chih Yeh, Mechanical

Engineering. Development of New Bioanalysis Techniques Based on Confocal Fluorescence Spectroscopy and Nanotechnology for Nucleic Acid Research.

Yiqiang Zhan, Computer Science. Advanced Image Analysis Methods for the Diagnosis of Prostate Cancer.

Doctors of Philosophy

The Zanvyl Krieger School of Arts and Sciences

Kenji Abe, Economics. Macroeconomic Effects of International Capital Flows: Lessons from Japan's Foreign Exchange Policy. Erin Ackerman, Political Science. Reproducing Law: Assisted Reproductive Technologies (ARTs), Judicial Policymaking, and Reproductive Rights. Rosa Alcazar, Biology. Analysis of Heritable Silencing Induced by dsRNA. Anna Krueger Allen, Biology. The Drosophila SF-1-like Nuclear Hormone Receptor Hr39 is Essential for Female Reproductive Tract Development and Function. Carmen Margarida Oliveira Alveal, Ilistory. Convertendo Terra em Propriedade no Mundo Atlântico Português, Séculos XVI-XVIII. Jeremy Arnold, Political

- Science. Figures of Finitude: Sovereignty and the Tragic Tradition of Political Thought.
- Kelli Lynn Baran, Biophysics. Molecular Determinants of pKa Values of Histidines in Staphylococcal Nuclease.
- Richard Keith Barry Jr., Physics and Astronomy. Milliarcsecond Resolution Infrared Observations of the Recurrent Nova RS Ophiuchi and Low Mass Stellar Systems.
- Benjamin D. Baugher, Mathematics. Statistics of Critical Points in Kähler Geometry and String Theory.
- Deepti Laxminarayan Bellur, Biology. A Minimal rRNA Substrate for Binding **Ribosomal Protein S4:** Implications for 30S Subunit Assembly.
- Daniel Philippe Blanchard, Biology. Genetic and Molecular Study of Components of the C. elegans RNAi Machinery and Their Interplay with the NMD Pathway.
- Tracy Brandt, Biology. The Lawc Protein is Required for Proper Transcription by RNA Polymerase II in Drosophila.
- William J. Brenner III, Political Science.Confounding Powers: Dominance and Discord in International Politics from the Assassins to Al Qaeda.
- Brian Ray Cannon, Biophysics. Thermodynamic Consequences of Substitutions of Internal Positions in Proteins with Polar and Ionizable Residues.

Jeremy Caradonna, History. The Enlightenment in Question: Prize Contests and the Francophone Republic of Letters, 1670-1794. Rachael Ann Carlisle, Chemistry. Measurement of Oxygen Tension in Single Cardiomyocytes: Photoluminescence Quenching of Intracellular $Ru(bpy)_3^{2+}$ by Molecular Oxygen. Abbie Louise Casper, Biology. Analysis of Drosophila Melanogaster Germline Sex Determination. Javanth Chandran, Biology. The Characterization of Parkinson's Disease Associated Gene DJ-1 Using an In Vivo Mouse Model. Seema Chauhan, Chemistry. Folding and Dynamics of a Bacterial Group I Ribozyme. Sung Rak Choi, Mathematics, Geography of Log Models and Its Applications. David James Clarke, Physics and Astronomy. Static and Dynamic Properties of Thin-film Ferromagnets. Daniel Aaron Coe, Physics and Astronomy. Toward an Understanding of Dark Matter: Precise Gravitational Lensing Analysis Complemented by Robust Photometric Redshifts. Silvio Contessi, Economics. Aggregate Implications of Firm Heterogeneity in Open Economies. Naomi Courtemanche, Biophysics. Characterization of the Folding Pathways

and Cooperativity of Repeat Proteins Via Equilibrium, Kinetic and Forcedunfolding Studies.

Jason Michael Crawford, Chemistry. Deconstruction of Fungal, Nonreducing Iterative Type I Polyketide Synthases.

Jeffrey Culhane, Chemistry. Suicide Inactivation of the Histone Lysine Demethylase LSD1 by Peptide-based Inactivators. Witold Maciej Czubala,

Economics. Essays on Aspects of Technological Growth and Globalization.

Ann Elizabeth De León, German and Romance Languages and Literatures. The Production and Reproduction of the 'Aztec' Body: Translating Pictorial and Textual Discourses on the Human Body from Sahagun's Florentine Codex (1579) to Antonio Penafiel's Indumentaria Antigua Mexicana (1903). Emmanuel De Veirman, Economics. Changes in Output-Inflation Comovement and in Firm-Level Volatility. Luis F. Delgado-Aparicio, Physics and Astronomy. Novel Soft X-Ray Diagnostics Techniques for the Study of Particle Transport Phenomena in Magnetically Confined Fusion Plasmas.

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Thomas Johnston Donahue, Political Science. The Structure of Political Theories.

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Drew Daniel Dudgeon, Biology. The Calcium Signaling Pathway, Endoplasmic Reticulum Stress, and Programmed Cell Death in the Yeast Saccharomyces Cerevisiae.

Jennifer Lynn Ecker, *Biology*. Uncovering the Function and Identity of the Photoreceptors of the Inner Retina: Melanopsin-Containing Retinal Ganglion Neurons.

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Alan Cary Gevinson, *History*. The Origins of Vaudeville: Aesthetic Power, Disquietude, and Cosmopolitanism in the Quest for an American Music Hall.

Helga Giampiccolo, German

and Romance Languages and Literatures. Torquato Tasso's Gerusalemme Liberata (1581): Epic at the Crossroads of Renaissance Humanism and the Counter-reformation. Travis Lars Gosa, Sociology. Oppositional Culture, Hip-Hop, and the Schooling of Black Youth. John Peter Grimes, Physics and Astronomy. X-ray and FUV Observations of Starburst Galaxies: Probing Galactic Feedback at High Energies. Daniel Benjamin Gubits, Economics. Essays on Commuting and Labor Supply in Urban Areas. Jie Guo, Humanities. **Confusing Desires:** Representations of Male Same-Sex Relationships in Late Ming and Early Qing Literature. Victoria Vaughan Hargreaves, Biology. Electrostatics of the DNA Binding Domain of Interferon Regulatory Factor 1. Arne Höcker, German and Romance Languages and Literatures. The Order of Crime: Epistemology and Aesthetics of Lustmord in Criminology and Literature Around 1900. Ryan Robert Holston, Political Science. What's Wrong With Deliberation?: Edmund Burke and the Historical Nature of Moral Decisionmaking. Tao Hong, Physics and Astronomy. Low Dimensional Quantum Paramagnets. Julia Hopkins, Biology. Secondary Structure **Rearrangements** Monitored by Fluorescence Probes in RNA Folding and RNAprotein Interactions. Erik Andrew Hoversten,

Physics and Astronomy. Galaxy **Evolution Insights from** Spectral Modeling of Large Data Sets from the Sloan Digital Sky Survey. Robert Scott Hoy, Physics. Effect of Entanglements on Mechanical Properties of Glassy Polymers. Gregory Shane Jones, Classics. Singing the Skoliou: A Study of Poetics and Politics in Ancient Greece. Seung Il Kang, Near Eastern Studies. Creation, Eden, Temple and Mountain: Literary Representations of Sacred Space in the Hebrew Bible. Daniel Aaron Karp, Biophysics. Structural and Energetic Consequences of the Ionization of Internal Groups in Staphylococcal Nuclease. Todd Allen Kelley, Psychological and Brain Sciences. Learning to Attend: Effects of Practice on Information Selection. Carl Robert Keyes, History. Early American Advertising: Marketing and Consumer Culture in Eighteenth-Century Philadelphia. James Adam Kuzner, Euglish. **Open Subjects: Forms** of Modern Selfhood in Renaissance Texts. Christopher James Larkin, Biology. Structural Basis of Single-Stranded DNA Recognition by F Factor TraL. DongGyw Lee, Near Eastern Studies. The 'ain ba'ares and King Josiah - A Socio-Political Understanding. Richard Andrew Leson, History of Art. Epic, Artifice and Audience: The Pierpoint Morgan Library's Medieval Picture Bible (MS.M.638) and the Psalter-Hours of Ghuiluys de Boisleux (MS.

M.730).

Daniel V. Lighthouse, *Biology*. A Functional Genomic Characterization of the *Drosophila* Fusome.

Kaori Nakajima Lindeman, Political Science. Norm Driven Change: The International Normative System and the Origins of Japanese Revisionism 1860–1930.

Ricardo Llaudes, *Economics*. Unemployment and Inflation in Europe. Jesse Melville Locker, *History* of Art. The Hands of

Aurora: Artemisia Gentileschi and Her Contemporaries.

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Zhao Ma, *History*. On the Run: Women, City, and the Law in Beijing, 1937–1949.

Brian Andrew Macdonald, Mathematics. Statistics of Non-real Zeros and Critical Points of Systems of Real Random Polynomials.

Timothy John Mackin, *Euglish.* Modern Objects: Woolf, Pound, and the Public Mind of Modernism.

Lisa Jeanne Mahoney, *History* of Art. Re-Presenting the Past: The London *Histoire* Aucienue Jusqu'à César in the Holy Land.

Lymarie Maldonado-Báez, *Biology*. In Vivo Characterization of Endocytic Adaptors as Regulators of Clathrinmediated Endocytosis.

Allison Courtney Marsh, History of Science, Medicine, and Technology. The Ultimate Vacation—Watching Other People Work: A History of Factory Tours in America, 1880–1950. Matthew Merski, *Biophysics*. The Mechanism of the Thiamin Diphosphate-Dependent Enzyme N²-Carboxyethyl Arginine Synthase.

Christopher John Metcalf, *Economics*. Essays on the *Economics* of Innovation and Technology.

Rachel Morissette, *Chemistry*. Methods to Characterize and Assay the *S. cerevisiae* GPI transamidase—A Membrane-bound, Multisubunit Enzyme That Posttranslationally Modifies Proteins.

Kathleen Susan Murphy, *History*. Portals of Nature: Networks of Natural *History* in Eighteenth-Century British Plantation Societies.

Eric Charles Nystrom, *History* of Science, Medicine, and Technology. Learning to See: Visual Tools in American Mining Engineering, 1860–1920.

Yoko Okado, *Psychological* and Brain Sciences. The Reconstruction of True and False Memories.

Jill Marie Pederson, *History of Art.* The Academia Leonardi Vinci: Visualizing Dialectic in Renaissance Milan, 1480–1499.

Juanjuan Peng, *History*. Yudahua: The Growth of an Industrial Enterprise in Modern China, 1890–1957.

Charles Lee Pickens, *Psychological and Brain Sciences.* The Role of Mediodorsal Thalamus in Devaluation Tasks. Walter Kyle Planitzer, *History.* A Dangerous Class of Men,

A Dangerous Class of Men, Without Direct Interest in Slavery: Proslavery Concern about Southern Nonslaveholders in the Late Antebellum Era. Shilpa Prasad, *History of Art.* Modes of Representation: Genre, Theater, Music and Voice in the Work of Guercino.

Jennifer Marie Pursley, *Physics* and Astronomy. Discovery and Measurement of Excited *b* Hadrons at the Collider Detector at Fermilab.

Priya Ramaswamy, *Biology*. Assembly of the 5' Domain of the 30S Ribosomal Subunit.

Indira Priyadarshini Ravindran, *Political Science*. Narrative Silences, Institutional Ambiguities and the Historiography of International Refugee Law.

Erika H. Raymond, *Earth* and Planetary Sciences. Unobtrusive Observations in the Deep Sea.

Steffen Reinhold, *Economics*. Essays in Demographic Economics.

- Bedelia Nicola Richards, Sociology. West Indian Roots and American Branches: Ethnicity, School Context and Academic Engagement Among Afro-Caribbean Students.
- John D. Rockefeller V, *English*. "Beyond My Eyes' Power of Correction."

Ke Ruan, *Chemistry*. Probing Protein Structure and Dynamics from Residual Couplings Measured under Multiple Aligning Conditions.

Adam Jeremy Ruben, *Biology*. Adaptive Plasmepsin Inhibitors as Novel

Antimalarials. Andrew Lawrence Russell, *History of Science, Medicine, and Technology.* "Industrial Legislatures": Consensus Standardization in the Second and Third Industrial

Revolutions.

Seema Sayala, *Psychological and Brain Sciences.* When Less is More: The Effects of Working Memory Practice and Neural Efficiency on Information Representation. Simon Bernard William Sheppard, *Political Science.* American Media, American Bias: The Partisan Press from Broadsheet to Blog.

Sandra Sinishtaj, *Chemistry*. Part I: Design and Synthesis of Novel Hybrid Analogs of the Natural Hormone 1α,25-Dihydroxyvitamin D₃; Part II: Design and Synthesis of Novel Antimalarial Artemisinin-Based Trioxane Dimers; Part III: Silicon-Mediated Ketone Enolate Ring Opening of Epoxides: n+3 Ring Expansion.

Jamie Lynn Smith, History of Art. So moeti den schilt draghen, dien God vernwede met roder greine: Jan van Eyck's Critical Principles of Oil Painting and Their Middle Dutch Antecedents.

- Jessica Stern Spivey, *History*. Red Rat and the Maker: British American and Native American Repertoires of Exchange in the Colonial Southeast.
- Sarah Tomlinson Stokes, Chemistry. Anion Photoelectron Spectroscopic and Reactivity Studies of Gas Phase Biomolecules, Diffusely Bound Electron States, Aluminum Clusters, and Rare Earth Doped Silicon Clusters.

Daniel McCall Stout, *English*. Popular Accounts: The Form of Justice in the British Novel.

Jonathan Robert Stromberg, *Chemistry*. Charge Transfer at Porphyrin Functionalized TiO₂ Interfaces.

Elaine Anne Sullivan, *Near Eastern Studies*. A Case Study in Function and Form: Excavations of a Third Intermediate Period Mudbrick Building in Thebes. Frederick John Tan, *Biology*. An Evolutionarily Conserved Role for the *C. elegans* Bel-2 Homolog CED-9 at Mitochondrial Membranes.

Migiwa Tanaka, *Economics*. Essays on Durability and the Japanese Housing Market.

Simone Petra Taubenberger, Anthropology. Exam Time: Educational Distress, Psychological Intervention and the Middle Classes in Post-Liberalization, Delhi.

Kenneth Evan Thompson, Biology. Improving VAST Structure Alignment Performance and Analysis of Small Molecule Contacts in Protein Structures.

Linh Uyen Tran, *English*. Minding the Reader: Alienation and Literary Sympathy in the 19th-Century Novel.

Elçin Ünal, *Biology*. Characterization of Double-Strand Break Induced Cohesin Domain Assembly and Function.

Aimee Richardson Usera, *Chemistry*. Part I: Design, Synthesis, and Biological Evaluation of Sulfone 1α,25-Dihydroxyvitamin D₃; Part II: Remote Steric Effects on the Rate of Conjugate Addition Reactions; Part III: Design and Synthesis of Orally Active Artemisinin-Based Antimalarial Dimers.

Shuai Wang, *Mathematics*. On a Certain Triple System, Elliptic Curves and Gauss Theory of Quadratic Forms.

Jeffrey Lloyd Wasserman, *Physics and Astronomy*. Investigations of Electronic Transport in Systems of Reduced Dimension.

Anthony Charles Weatherwax, *Chemistry*. Ketenes in Asymmetric Synthesis. Jason Edward Weil, *Biology*. An RNA Element That Stabilizes Translation Termination in Rous Sarcoma Virus.

Sarah Lin Williams, *Biology*. The Role of F Plasmid Relaxosome Protein Binding Sites and Intervening Origin of Transfer (*OriT*) Regions in Bacterial Conjugation.

Jamison Davis Wolfer, *Chemistry*. Catalytic Asymmetric [4+2] Cycloaddition Reactions of α-Quinones and α-Quinone Imides with Ketene Enolates. Naohide Yamamoto,

Psychological and Brain Sciences. Modality Dependence and Independence in Human Spatial Memory.

Richard Andrew Young Jr., *Chemistry*. Conical Intersections and Vibronic Coupling in Radicals.

II-Sung Andrew Yun, Near Eastern Studies. The Aramaic and Akkadian Bilingual Inscription from Tell Fekheriyeh and the Old Aramaic Dialects.
Giovanni Zanalda, History. The Early-Modern Roots of International Political Economy: Practices and Debates about Money, Credit and Institutions in the Italian Peninsula, 1524–1800.

- Jin Zeng, *Political Science*. Let the Small Go: The Privatization of Small and Medium Public Enterprises in China.
- Qi Zhong, Mathematics. Energies of Zeroes of Random Sections on Riemann Surfaces. Valerie S. Zuchuat, German and Romance Languages and Literatures. Poétique du Carnet: Du Bouchet, Jaccottet, Rivaz ('Poetics of the Notebook: Du Bouchet,

Jaccottet, Rivaz').



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Addendum 2008

For those who use the Commencement Program as an official record of the awarding of degrees, please note the following changes to the 2008 Commencement Program as of July 2008.

General University Honors (Arts and Sciences and Engineering) Pages 29 - 31

Add: Elizabeth Rachel Romanow

Departmental Honors (Arts and Sciences) Pages 31 - 32

Add: Whitney Barnett-Rhodes, Cognitive Science Jason Ira Feinberg, Spanish Daria Nikolaeva, Molecular and Cellular Biology Amy Elizabeth Sheeran, Romance Languages and English Winnie Judith Tsang, English Shaw-Wei David Tsen, Molecular and Cellular Biology Zhengyang Zhang, Molecular and Cellular Biology

Bachelors of Science in Biomedical Engineering (Engineering) Page 35

Add: Ken Ng

Delete: Ayodeji Oluwadamilola Jejelowo Gabriel Min Kim Manish Kumar Eric Tsei Wei Lin Suraag Snehal Patel

Bachelors of Science in Civil Engineering (Engineering) Page 35

Add: Gregory Vincent Degl

Bachelors of Science in Computer Science (Engineering) Page 36

Add: Christopher Robert Pitman

Bachelors of Science in Mechanical Engineering (Engineering) Page 36

Delete: Luis Romeo Escobar James Hovey Weisheit

Bachelors of Science in Molecular and Cellular Biology (Arts and Sciences) Page 36 - 37

Add: Shaw-Wei David Tsen

Delete: Pavel Bogomiakov Jaclyn Clark Jessica Hsiao Wenyu Freddy Zhang

Bachelors of Science in Physics (Arts and Sciences) Page 37

Delete: Alexander Zachary Copelan Dominic Jospeh Genovese Richard Nicolas Hill Rosa María Oyola Cabello Christopher Robert Pitman

Bachelors of Arts (Arts and Sciences) Page 37 - 40

Add:	Rhamee Nabil Badr Jaclyn Clark Alexander Zachary Copelan Justin Lorin DeNise Jonathan Prentice Ehle Richard Nicolas Hill Jessica Hsiao Drew G. Isaacson	Monica Lynn Kilcer Robert Eugene Mattina Todd William Muse Rosa María Oyola Cabello Ninosfka Torres Manoj Palissery Unni Wenyu Freddy Zhang
Delete [.]	Stephanie Rose Abrams	Daniel D. Kim

Delete:Stephanie Rose AbramsDaniel D. KimMarina AvetisyanMeredith Louise LammertseNadia CampbellLori Louise LoeJulie Ting-Chu ChenMonique L. MarshallRocky ChengDavid Vinh-Quoc NguyenFarai A. ChidavaenziSeth Douglas Pitts

Adrian Pierre Childs Giovanti Nathaniel Davis Michael Charles Evans Jocelyn Renae Fields Jason Goldman-Petri Kerry Ann Hamilton Matthew Jadusingh Kalyan Chakravarthy Kanakamedala Patrick Michael Kay Whitney Reiben Philip Eric Roberts-Rhym Mpepera Brito Simango Albert Kyung Song BreAnna Marie Suiter Quinson Ronnie Thomas Anna Caroline Vaivoda Brenton Tyler Wilson Joseph William Zaccaria

Bachelors of Music (The Peabody Conservatory of Music) Pages 40-41

Add: Kevin William Dixon-Payne, *Guitar*

Delete: Westley D. Benson, *Percussion* Daniel Brian Butman, *Piano* Sheena Elizabeth Majdan, *Voice*

Bachelors of Science (Nursing) Page 41

Delete: Andrea Michaelena Young-Lopez

Bachelors of Science July 18, 2008 (Nursing) Page 41-42

Add: Rukayat Toyin Ajao Andrea Michaelena Young-Lopez

Bachelors of Science (Carey Business School) Page 42

Delete: Nichole Patrice Blalock John Peter Hickman Steve Gary Jones Jr. Hyeyoung Ju

Graduate Certificates (Carey Business School) Page 43

Add: Diane J. Desmond, Information and Telecommunication Systems

Delete: Serene Al-Momen Rukshan Gunawardana

3

Masters of Business Administration (Carey Business School) Pages 44 - 45

- Add: Alex L. Bateman Aparajita Mohapatra
- Delete: Melicia Ann Dupree David Li David Weidong Wang

Name Correction: Sreenatha Matli Reddy

Masters of Science (Carey Business School) Pages 45-48

- Add: Stanley Edward Adler, Information and Telecommunication Systems Sharon Denise Fitzpatrick, ODSHR Yijen Hsu, Finance
- Delete:Jennifer Allese-FeratEdward LuckettJoyce Suarez CastroRudrendu SinhamahapatraJohn J. Coyle IVRaymond Patrick TaylorMarsha Denise CunninghamDavid Carter ThomasLalita Michele HamiltonRussell Earl WhitworthCharles E. Imhoff IIIJerome WilliamsMaureen Catherine KellyOzlem Yelken

Graduate Certificates (The School of Education) Pages 49 - 51

- Add: Matthew Folsom Kerwin, *Differentiated/Inclusive Education: Advanced Methods* for Instruction
- Delete:Michael Joseph Aubin, Administration and Supervision
Marilyn Annette Barber, Administration and Supervision
Melissa Boyd, Teacher Leadership
Taheerah Hanan Britton, Administration and Supervision
Kristy Michelle Grant, Administration and Supervision
Andrea Lynn Graziano, Administration and Supervision
Van Ebonique Robinson, Administration and Supervision
Gregory Ugah, Administration and Supervision
Rose Michele Wooden, Adult Learning

Name Correction: Karen Lynn Haven to Karen Haven Megary, Leadership in Technology Integration, and Administration and Supervision Masters of Arts in Teaching (The School of Education) Page 52

- Add: Thomas M. Bryant Sohee Cho Raymond Michael Eskey Timothy Joseph Gordon Kathryn Houston Rowan
- Delete: Yolanda Janae Barber Robin Michelle Bessler Charnell Mandreh Clark Rasha Ahmed El-Haggan Danielle Victoria Gordon Udita Gupta Tamarick Raquel James

James Patrick Jensen Michelle Diane LaMarca Shelly Malik Kimberly Lynn Murray James W. Riddlesperger Kyle Siler Evans

Masters of Science (The School of Education) Pages 53-56

- Add: Raymond Alexander Bennett, *Education* Evana Adele Santee, *Education*
- Delete: Zebulon Wayne Alexander Clarice Sophia Buax Tia Denene Brown Andrea Lynn Graziano Jacqueline Faith McNill Ellen H. Stein Phyllis H. Trettien

Name Correction: Karen Lynn Haven to Karen Haven Megary, Education

Post-Master's Certificates (The School of Education) Page 56

Add: John Robert Seaman, Addictions Counseling

Add Degree:

Certificate of Advanced Graduate Study (The School of Education) Page 56

Laurie A. Nelson, Counseling

Graduate Performance Diploma (Peabody) Page 56

Delete: Kyung-Hye Baek, Piano

Master of Science in Nursing/Master of Business Administration (Nursing) Page 56

Delete: Jennifer Mary Dupree

Masters of Music (Peabody) Page 57

Delete: Adam L. Caughey, Voice Julia R. Hershberger, Musicology Alexandra Sasha Kozlov, Piano Maureen Walsh, Saxophone

Masters of Health Science (Bloomberg School of Public Health) Pages 58 - 60

Delete: Meredith Friend Alec S.Harris Neil B.Shah

Masters of Public Health (Bloomberg School of Public Health) Pages 60 - 61

Add: Christopher Howard Wade Samuel Oluwatoyin Ogunbo

Delete: Jay R. Bernstein Lauren Elizabeth Cooper Olivia Chioma Elee Amber Harris Mignon Metcalf Nobhijit Roy Seth Aaron Schumacher Jay Umed Sheth Muhammad Baquir Syed

Name Correction: Jean Yoo Campbell (add Campbell)

Delete Degree:

Master of Arts in International Affairs (Paul H. Nitze School of Advanced International Studies) Page 62

Delete: Harald Peter Langer Grazina Raguekaja Master of International Public Policy (Paul H. Nitze School of Advanced International Studies) Page 62

Add: Zachary Angafor Michael Darling Inga Elizabeth Hawley In Hoe Huh Eugene Moses Dawn Ortiz-Legg Peter Rosenthal Franco Russo

.

Delete: Michael J. Norton Kuang Tao Zhou

Master of Arts (Paul H. Nitze School of Advanced International Studies) Pages 62-63

Add:	Alec Barker Cynthia Gears Ina Hoxha Viktoriya Kim Sidney Kwiram Theodore Obenchain Maria Palomar Nebot	Alexander Pascal Jeanne Simon Kyle Tearney Jonathan Turley Karthik Venkataraman James Warner Avital Wenger
Delete:	Waldo Aleriano Sánchez Jonathan E. Betts Jason S. Cohen Maite de Sola Perea Gökhan Dikmener Jennifer Naomi Eaglin Saroeun Earm Sarah Gloo Michael Krzystof Gujda Jennifer Ann Gulbrandson Hillary Hosford Frans Jansen	Dany Khy Sheng Tao Li Richard Adam Lindsay Deena Magnall Henry Gantt Nuzum Rashmi K. Pendse Michael John Ralles Peter Rosenthal Masipula Sithole Jr. Aimee Leone Stoltz Sue Anne Tay George Tzortzis

Masters of Materials Science and Engineering (Engineering) Page 64

Name Correction: Megan Jean Snook (replacing Sneck)

Masters of Mechanical Engineering (Engineering) Page 64

Delete: Raman Kaul

Masters of Science (Engineering) Page 65 - 70

- Add: Michelle A. Capitanio, *Computer Science* David Stuart Murray. *Technical Management* Shane Thomas Stezelberger, *Applied Physics* Jordan Faulkner Thomas, *Computer Science*
- Delete: David Clyde Bauer, Computer Science Linda Wade Chapman, Computer Science Darren Eugene Curtis, Systems Engineering John Roland Harvin, Systems Engineering Ramya Jayaraman, Computer Science James Leonard Klucar Jr., Applied and Computational Mathematics Francis George Pillay, Computer Science Rene Jesse Labot Rama, Computer Science Urias E. Rodriguez, Systems Engineering

Masters of Science in Engineering (Engineering) Page 70 - 72

- Add: Benjamin Rees Mitchell, Computer Science William Farran Speier IV, Computer Science Steven William Swedish, Computer Science
- Delete:Stephen Charles Barolak, Computer Science
Lukasz Jan Bugaj, Biomedical Engineering
Kristen Dana Haldeman, Biomedical Engineering
Reza Hosseini Ghomi, Electrical and Computer Engineering
Jong Hyun Lim, Computer Science
Wei Shyan Lim, Biomedical Engineering
Charles Willard Robertson, Computer Science
Khairunnisa Sallehudin, Electrical and Computer Engineering
Girish Kumar Singhal, Biomedical Engineering
Wren N. G. Thornton, Computer Science
Prakash Vempati, Biomedical Engineering
Amos Alden Wetherbee, Computer Science

Masters of Arts (Arts and Sciences) Page 72 - 74

Delete: Thomas Daniel Cousins, Anthropology Sarah Ann MacMillan, Writing Seminars

Masters of Fine Arts (Arts and Sciences) Page 74

Delete: John Paul Carillo

Masters of Science in Biotechnology (Arts and Sciences) Page 74 - 75

Add: Hiroko Yokoe

Delete: Erin O'Brien Scimeca Mara Elizabeth Swaim Jessica Marie Waring

Masters of Science in Environmental Sciences and Policy (Arts and Sciences) Page 75

Add: Gail Patrice Cismowski

Masters of Arts in Applied Economics (Arts and Sciences) Page 75 - 76

Delete: Marie D. A. Ketleen Florestal Mary B. Plache

Masters of Arts in Communication in Contemporary Society (Arts and Sciences) Page 76

Add: Stevan Mitchell Jackson

Delete: Talal Al-Khatib Teresa E. Mulder Dina Badawy Susana Carrie Peinado Gabriela Chojkier Abigail Bess Pinkele Ashley Danielle Etienne Minden Elysse Pletsch Jennifer O. Gilman Nadia Teresa Ramdeen Sarah Danielle Gmyr Deirdre Anne Shandle John Robert Gordon Jr. Stacey B. Silva Brooke Cameron Haycock Michael W. Swanigan Kristin Danae Lee Ji Sung Yang Mobhare Homes Mwita Matinyi Jessica Betsy Youdin Carmen Rae McClaskey

Masters of Arts in Government (Arts and Sciences) Page 76

Add: Brian Winford Amy Melissa Marie Harris Deepti Soni Davison McDowell Westmoreland Delete: Dyan L. Argento Connor Brendan Bohan William Frederick Bollinger Jr. Sarah Ann Bontempo Rhett Thomas Butler Jennifer Renée Garber Julie Marie Malec Laura Ann Munley Eric John Petrilla Megan Kinnaird Pollock Nelson Quinones John H. Shumake Renita Kandice Speight Cem Tuncan

Masters of Arts in Writing (Arts and Sciences) Page 76

Add: Eugene F. Chay

Masters of Liberal Arts (Arts and Sciences) Page 77

Delete: Julia M. Jackson

Doctors of Philosophy (Bloomberg School of Public Health) Pages 78-81

Add: Juhee Cho, *Health Policy and Management* Kelly Jen-Yi Yu, *Epidemiology*

Doctors of Medicine (Medicine) Page 82

Delete: Ryan Monroe



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