

THE JOHNS HOPKINS UNIVERSITY

TWO THOUSAND TWO COMMENCEMENT

Conferring of Degrees at the Close of the

126th Academic Year

Class of 2002

May 23, 2002

9:15 a.m.

CANDIDATES SEATING

STAGE

1	
3	
5	
9	
11	
13	
15	
19	

- 1 Doctors of Philosophy and Doctors of Medicine—Medicine
- 3 Doctors of Philosophy, Doctors of Public Health, and Doctors of Science—*Public Health*
- 5 Masters—Medicine
- 9 Masters—Public Health
- 11 Certificates of Advanced Graduate Study and Masters—Professional Studies in Business and Education
- 13 Bachelors—Professional Studies in Business and Education
- 15 Bachelors—Engineering
- 19 Bachelors (A-F)—Arts and Sciences

2
4
6
7
8
10
12
14
16
17
18

- 2 Doctors of Philosophy—Arts and Sciences and Engineering
- 4 Doctors of Philosophy—Advanced International Studies
- 6 Doctors of Philosophy—Nursing
- 7 Doctors of Musical Arts and Artist Diplomas—Peabody
- 8 Doctors of Education—Professional Studies in Business and Education
- 10 Masters—Arts and Sciences
- 12 Masters and Certificates—Engineering
- 14 Masters and Bachelors—Nursing
- 16 Masters, Certificates, and Bachelors-Peabody
- 17 Masters—Advanced International Studies
- 18 Bachelors (G-Z)—Arts and Sciences

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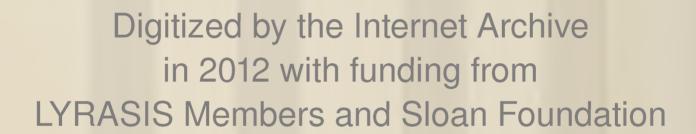
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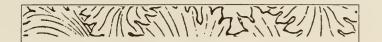
CINCATIVE MINE

Candidates for Degrees30

Please note that while all degrees are conferred, *only* doctoral graduates process across the stage. Though taking photos from your seats during the ceremony is not prohibited, we request that guests respect each other's comfort and enjoyment by not standing and blocking other people's views. Photos of graduates can be purchased from Commencement Photos (978-851-5924). Videotapes can be purchased from Northeast Photo Network (410-789-6001; nephotonet@aol.com) and orders placed at the nearby information table.

We appreciate your cooperation!





ORDER OF PROCESSION

Marshals

Peter Maloney Gert Cauwenberghs
Mario Catalan David Nirenberg
Laurie Detenbeck Michael E. Paulaitis
William Eaton Peter B. Petersen
Howard E. Egeth Brenda C. Rapp
Ralph Etienne-Cummings Debra Roter
Mark Katz Margaret Soderstrom

Tobie S. Meyer-Fong Janeen Taylor

The Graduates

Marshals

Sharon Kingsland Gerald M. Masson

The Faculties

Marshals

Matthew A. Crenson Cila Herman

The Deans

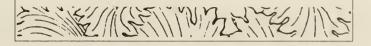
Members of the Society of Scholars

The Trustees

Officers of the University

Chief Marshal Betsy M. Bryan

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



ORDER OF EVENTS

William R. Brody
President of the University, presiding

PRELUDE

Homage March Edvard Grieg (1843–1907)

Minnet (Royal Fireworks Mnsic) George Frideric Handel (1685–1759)

> Second Military Snite in F Gustav Holst (1874–1934)

Gaudeamns Igitur (trad.)

PROCESSIONAL

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

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

THE PRESIDENT'S PROCESSION

Fanfare
Walter Piston (1894–1976)

Judas Maccabaens George Frideric Handel (1685–1759)

INVOCATION

Sharon M. K. Kugler *University Chaplain*

The National Anthem of the United States of America Sung by Chad Michael Freeburg, 2002 Graduate

GREETINGS

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

GREETINGS

Iredell W. Iglehart III

President of

The Johns Hopkins University Alumni Association

PRESENTATION OF NEW MEMBERS OF THE SOCIETY OF SCHOLARS

Daniel J. Auerbach Robert M. Blizzard Thomas A. Cebula Leland W.K. Chung John F. Ferguson Mohamed Gad-el-Hak Ibrahim A. Gambari Willa A. Hsueh Gerald A. Klassen Mark A. Klebanoff Giovanni Romeo Larry Sargent

Barry Shane Lynne S. Wilcox

Melvin M. Grumbach

PRESENTED BY

Steven Knapp

Provost and Senior Vice President for Academic Affairs

CONFERRING OF HONORARY DEGREES

Tom Brokaw* Purnell W. Choppin Ranice W. Crosby Robert Mundell

Cal Ripken Jr.*

Jiang Shusheng**

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

**presented at the Centennial of Nanjing University in Nanjing, China, on May 19

ADDRESS

William R. Brody
President of the University

CONFERRING OF DEGREES ON CANDIDATES

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

PRESENTED BY

Ilene Busch-Vishniac

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

Bachelors of Arts in Geography
Bachelors of Arts in Mathematical Sciences
Bachelors of Mechanical Engineering

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

PRESENTED BY
Richard E. McCarty
James Barclay Knapp Dean
The Zanvyl Krieger School of Arts and Sciences

Performers Certificates
Bachelors of Music

PRESENTED BY
Robert Sirota
Director, The Peabody Institute

Bachelors of Science

PRESENTED BY

Martha N. Hill

Interim Dean, The School of Nursing

Undergraduate Certificates in Business

Bachelors of Science

Bachelors of Liberal Arts

Graduate Certificates in Business

Graduate Certificates in Education

PRESENTED BY Ralph Fessler

Dean, The School of Professional Studies in Business and Education

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

PRESENTED BY
Ralph Fessler

Dean, The School of Professional Studies in Business and Education

Masters of Science in Nursing

Masters of Science in Nursing/Masters of Business Administration

Masters of Science in Nursing/Masters of Public Health

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

Graduate Performance Diplomas

Masters of Music

Masters of Arts

PRESENTED BY

Robert Sirota

Director, The Peabody Institute

Masters of Science

Masters of Health Science

Masters of Public Health

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

Masters of International Public Policy

Masters of Arts in International Affairs

Masters of Arts

PRESENTED BY

Stephen Szabo

Interim Dean, The Paul H. Nitze School of

Advanced International Studies

Masters of Arts

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

Graduate Certificates

Certificates of Continuing Engineering Studies

Masters of Chemical Engineering

Masters of Civil Engineering

Masters of Environmental Engineering

Masters of Mechanical Engineering

Masters of Science

Post-Master's Advanced Certificates

Masters of Science in Engineering

Masters of Arts

PRESENTED BY

Ilene Busch-Vishniac

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

Masters of Arts

Masters of Science

Masters of Science in Biotechnology

Masters of Science in Developmental Psychology

Masters of Science in Environmental Sciences and Policy

Masters of Arts in Applied Economics

Master of Arts in Government

Masters of Liberal Arts

Masters of Arts in Writing

PRESENTED BY
Richard E. McCarty
James Barclay Knapp Dean
The Zanvyl Krieger School of Arts and Sciences

Doctors of Education

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

Artist Diplomas

Doctors of Musical Arts

PRESENTED BY

Robert Sirota

Director, The Peabody Institute

Doctors of Philosophy

PRESENTED BY

Martha N. Hill

Interim Dean, The School of Nursing

Doctors of Science

Doctors of Public Health

Doctors of Philosophy

PRESENTED BY

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Dean, The Bloomberg School of Public Health

Doctors of Philosophy

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Doctors of Medicine

Doctors of Philosophy

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Doctors of Philosophy

PRESENTED BY

Ilene Busch-Vishniac

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

Doctors of Philosophy

PRESENTED BY

Richard E. McCarty

James Barclay Knapp Dean

The Zanvyl Krieger School of Arts and Sciences

RECESSIONAL

Fanfare (La Peri)

Paul Dukas (1865-1935)

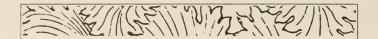
POSTLUDE

March (Fidelio)

Ludwig van Beethoven (1770–1827)

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

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



DIVISIONAL DIPLOMA CEREMONIES INFORMATION

The Paul H. Nitze School of Advanced International Studies Diploma Award Ceremony is at 3 p.m. this afternoon at Constitution Hall, 18th and D Streets N.W., Washington, D.C. CNN anchor and host Wolf Blitzer is the speaker. A reception at the Nitze School follows the ceremony.

The Zanvyl Krieger School of Arts and Sciences and The G.W.C. Whiting School of Engineering Undergraduate Diploma Ceremony is at 1:45 p.m. this afternoon on Garland Field. *NBC Nightly News* anchor and managing editor Tom Brokaw is the speaker.

The Zanvyl Krieger School of Arts and Sciences Master's Diploma Ceremony is at 6:30 p.m. this evening in Shriver Hall Auditorium. Food and Drug Administration senior research scientist Bernard A. Schwetz is the speaker. A reception in the Levering Union Glass Pavilion follows immediately. Ph.D. recipients from Arts and Sciences and their guests are also welcome.

The School of Medicine Diploma Award Ceremony is at 2:30 p.m. this afternoon at Meyerhoff Symphony Hall at Cathedral and Preston Streets in Baltimore. Director of the Office of Public Health Preparedness of the United States Department of Health and Human Services Donald Henderson is the speaker.

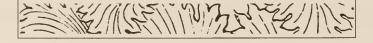
The School of Nursing Diploma Award Ceremony is at 4 p.m. this afternoon in Turner Auditorium at the School of Medicine. University of North Carolina at Chapel Hill School of Nursing Dean and Professor Linda Cronenwett is the speaker.

The Peabody Institute Diploma Award Ceremony is at 8 p.m. this evening in the Miriam A. Friedberg Concert Hall at the Conservatory. Bobby McFerrin, who will receive the George Peabody Medal for Outstanding Contributions to Music in America, is the speaker.

The School of Professional Studies in Business and Education Undergraduate and Graduate Diploma Award Ceremony will be held at 7:30 p.m. this evening on Garland Field. Former Baltimore County Chief of Police and New York City Chief of Patrol Cornelius J. "Neil" Behan is the speaker. A reception follows immediately after the ceremony.

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

The G.W.C. Whiting School of Engineering Master's Diploma Ceremony was held last evening.



THE JOHNS HOPKINS SOCIETY OF SCHOLARS

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

There are currently 430 members in the Johns Hopkins Society of Scholars.

The following listing of the Society of Scholars members elected in 2002 is accompanied by a short description of their accomplishments at the time of their election to the society.

Dr. Daniel J. Auerbach Sau Jose, California

Best known for his work on the dynamical aspects of atomic and molecular interactions with solid surfaces, Dr. Auerbach pioneered the application of molecular beam and laser techniques to surface science problems, opening up exciting new areas of study. His research has spanned a broad range of topics in atomic, molecular, and optical physics; chemical physics; surface chemistry; and condensed matter physics. In addition to his scientific achievements, he has played an important management role at IBM, where he has been involved in developing programs in magnetic storage, microelectronics, displays, and computation.

Dr. Robert M. Blizzard Charlottesville, Virginia

Dr. Blizzard has made multiple significant contributions in the field of endocrinology. His careful and systematic clinical studies of patients with autoimmune endocrine diseases enabled him to propose a classification of polyglandular autoimmune diseases that is now internationally accepted. He has also elucidated the critical role that growth hormone plays in childhood, adolescence, and aging. This work led to the controversial notion, now generally accepted, that growth hormone replacement is necessary throughout life.

Dr. Thomas A. Cebula Washington, D.C.

With a strong and broad base in biochemistry, microbiology, immunology, and genetics, Dr. Cebula is one of those rare investigators who have made important contributions in basic as well as applied research. At the Food and Drug Administration, he has had a profound effect on public health issues by developing molecular methods for the detection of pathogens in the environment and in the food supply.

Dr. Leland W.K. Chung Atlanta, Georgia

An outstanding international leader in the field of urological research, Dr. Chung developed the first model of human prostate cancer metastasis. This work has led to a new form of gene therapy for prostate cancer that now is in clinical trials and shows great promise. A professor at Emory University, he has won the Ben Rogers Award for Excellence in Research at the M.D. Anderson Cancer Center, the State of Georgia Distinguished Cancer Clinician and Scientist Award, and the prestigious Wu Jieping Medical Science Award from the Chinese government.

Dr. John F. Ferguson Seattle, Washington

In the field of water quality engineering, Dr. Ferguson's research contributions span several areas, including microbial and chemical processes in anaerobic treatment and advanced biological treatment systems. His work on biological treatment processes for controlling hazardous wastes is providing treatment options that promise to reduce the risks to the public and the environment. In addition to conducting meritorious research, he is dedicated to teaching and working with students, many of whom will be among the next generation of exemplary environmental engineers.

Dr. Mohamed Gad-el-Hak Notre Dame, Indiana

Winner of the Alexander von Humboldt Prize, Germany's highest prize for U.S. scientists and researchers, Dr. Gad-el-Hak is well known for advancing several important and novel diagnostic tools for turbulent flows and for discovering the efficient mechanism by which a turbulent spot rapidly grows by destabilizing a surrounding laminar flow. He has also worked on many other important flow problems and in particular, most recently, in the new area of micro-fluid mechanics.

Dr. Ibrahim A. Gambari New York, New York

In a long and distinguished career, Dr. Gambari has traveled widely and served with distinction as both a diplomat and a scholar. Prior to joining the U.N. Secretariat, he was Nigeria's longest serving ambassador/permanent representative to the United Nations. As a scholar, he has published a number of books on foreign policy making, economics, and African politics, including *Theory and Reality in Foreign Policy Decision Making*, which is an insightful account of his tenure as foreign minister of Nigeria. He has taught at the Nitze School of Advanced International Studies, Georgetown, and the Brookings Institution and is the founder of the Savannagh Centre for Diplomacy, a think tank in Nigeria devoted to analyzing and solving problems in Africa.

Dr. Melvin M. Grumbach San Francisco, California

As a leader in research on the hormonal control of growth and maturation, Dr. Grumbach has studied the development and function of the human endocrine and neuroendocrine systems from fetal life through puberty. His current research is focused on deciphering gene mutations that affect the growth and maturation of bones as well as sexual development. He is also past president of the Endocrine Society, the American Pediatric Society, and the Lawson Wilkins Pediatric Endocrine Society.

Dr. Willa A. Hsueh Los Angeles, California

Dr. Hsueh directs a major research team investigating the impact of diabetes and other metabolic factors on the cardiovascular system. Her projects span the spectrum of translational research from bench to animal cage to bedside. She is highly respected and internationally recognized as having made important contributions to the understanding of the metabolic pathways involved in the pathogenesis of atherosclerotic vascular disease. She is also an accomplished medical educator and mentors junior faculty and fellows in clinical and bench research.

Dr. Gerald A. Klassen Centreville, Nova Scotia

Dr. Klassen is a major figure in Canadian medicine. He is a retired professor of medicine, chairman of the Department of Physiology and Biophysics, and vice president for academic and research affairs at Dalhousie University in Nova Scotia. A past president of the Canadian Society of Clinical Investigation, Dr. Klassen holds several patents on instruments for medical research and presides over a company he founded for their manufacture. He helped develop a method for studying regional myocardial mechanics in man, and he developed a laser Doppler method for studies in the beating heart, with which he found that a major determinant of myocardial blood flow is the folding of red blood cells by heart muscle cells.

Dr. Mark A. Klebanoff Bethesda, Maryland

In work that is widely cited and which has had important implications on national policy, Dr. Klebanoff has conducted epidemiologic research in maternal and child health, demonstrating that a woman's own birth weight and gestational age affect the risk of low birth weight and preterm birth in her offspring. He is also noted for his contributions to several randomized trials on the prevention of preeclampsia and effects of the control of infection during pregnancy on preterm delivery and low birth weight. Dr. Klebanoff has worked for the National Institute of Child Health and Human Development since 1987 and in 1999 was named the director of the NICHD's Division of Epidemiology, Statistics and Prevention Research.

Dr. Giovanni Romeo Bologna, Italy

Dr. Romeo's research has been wide-ranging in the study of human genetics and genetic disorders with almost 300 publications. He has organized a short course in medical genetics that is the European equivalent of the Bar Harbor Course of Johns Hopkins and The Jackson Laboratory. At the University of Bologna, he is developing an institute of genetic medicine to advance the fields of genetics and genomics in Italy. A collaboration with the McKusick-Nathans Institute of Genetic Medicine at Hopkins promises to forge another relationship of Johns Hopkins with Bologna.

Dr. Larry Sargent Chattanooga, Tennessee

Dr. Sargent has distinguished himself as an educator, surgeon, and mentor, and is one of the most prominent program directors and craniofacial surgeons in the nation. While he was a resident in plastic surgery, the technical superiority of his facial fracture repair results became known, and some of the original work on complex facial fracture injury repair, orbital reconstruction, and nasoethmoid repair was written. He is founder and director of the nationally recognized Tennessee Craniofacial Center, which is one of the best known in the country for the excellence of its results. His skill as a surgeon and the technical excellence of his results are acknowledged universally among plastic surgeons and serve as a standard for his profession. He has also been active in the design of new equipment and techniques that benefit the entire community.

Dr. Barry Shane Berkeley, California

Dr. Shane is internationally recognized for his groundbreaking research on folic acid and other water-soluble vitamins. He and his research group have cloned many of the human genes encoding the key enzymes in the regulation of folate-dependent one-carbon metabolism and have identified influences in these genes that affect the risk of vascular disease, cancer, and birth defects. He has collaborated extensively with epidemiologists to evaluate the public health implications of his findings. Dr. Shane is a recipient of the Mead Johnson Award from the American Institute of Nutrition.

Dr. Lynne S. Wilcox Atlanta, Georgia

Dr. Wilcox's research has focused on several women's reproductive health concerns, including the effects of tubal sterilization on the health of women and the population variations in hysterectomy rates. While she has made many contributions, she is best known for her work on the effect of assisted reproductive technology on pregnancy and multiple birth risk. This work has greatly contributed to understanding the magnitude of the technology's effect on multiple births and, in turn, the rate of low-weight births in the country.

HONORARY DEGREE CITATIONS

Citation read by
Ilene Busch-Vishniac
In Presenting
TOM BROKAW
For the Degree of Doctor of Humane Letters

Both an ending and a beginning, commencement can make the most grounded graduate feel cast adrift. So it is comforting that you once said you didn't always know, even in college, what you wanted to be when you grew up.

Eventually, you did decide, and we are all better for your choice. Over a distinguished career of more than forty years, you have become the nation's professor of current events, transforming American living rooms into your classroom every evening at the dinner hour.

You have been delivering the news, both good and bad, as anchor of *NBC Nightly News* since most of today's graduates were toddlers. When the Berlin Wall fell, you were the only anchor to show them the end of the Cold War on live television. More than a decade later, you were there in the hours after the World Trade Center fell, when our graduates' world again was changed forever.

Your special reports have been recognized with broadcasting's most prestigious honors, including the Alfred I. DuPont and George Foster Peabody awards. Recently, you have won acclaim in another medium, for your book *The Greatest Generation*. In these uncertain times, our young people would do well to heed that stirring account of their grandparents' impact on history.

Thomas John Brokaw, statesman of broadcast journalism, in recognition of all you have taught today's graduates about the world they now enter and will someday lead, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

Citation read by
Richard E. McCarty
In Presenting
PURNELL W. CHOPPIN
For the Degree of Doctor of Humane Letters

When an unexpected telephone call came in 1985, you had already carved out a stellar career as a medical researcher and administrator during twenty-eight years at The Rockefeller University. The caller asked if you were interested in a new post as vice president and chief scientific officer at the Howard Hughes Medical Institute. Seeing an opportunity to influence biomedical research on a broad scale, you accepted the challenge.

In 1987, you were elevated to president of the institute, one of the nation's most influential privately held biomedical research organizations. Your thirteen-year tenure was marked by your thoughtful, yet tenacious, approach to tough issues; your strong belief in building consensus; and your fairness, intellectual honesty, and integrity. Under your careful leadership, the institute greatly accelerated its support for biomedical research, new laboratories, and science education. The roster of Howard Hughes Medical Institute investigators rose from ninety-six researchers to three hundred thirty at more than seventy institutions.

The Johns Hopkins University has been one of the chief beneficiaries of the institute's support. Currently, fourteen Johns Hopkins scientists are Howard Hughes investigators, enabling them to conduct cutting-edge medical research to understand and develop treatments for cancer and other important disorders. In recent years, the institute has also generously supported Johns Hopkins undergraduate education in the biological sciences.

Purnell W. Choppin, for your distinguished philanthropic leadership and outstanding contributions to medical research and education, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *bonoris causa*.

Citation read by Edward D. Miller In Presenting RANICE WINIFRED CROSBY For the Degree of Doctor of Humane Letters

The pioneering Department of Art as Applied to Medicine at Johns Hopkins has had only four directors. For forty of its ninety-one years, that director was a venerated teacher and extraordinary artist named Ranice Winifred Crosby.

You were just twenty-seven, three years into your career, when the dean, Alan Chesney, asked you to lead Art as Applied to Medicine. Over the decades that followed, you have been a guiding force in the department and an inspiration for the entire profession of medical illustration.

You ensured the department's future by establishing its first accredited graduate degree program in 1958. You kept alive the legacy of its legendary founder, Max Brödel, co-authoring his biography. You established an archive featuring his work and that of other pioneers.

An excellent artist from the first, you have pushed to advance your field not only in artistic proficiency but also in its value as a scholastic complement to the medical sciences. In gratitude, the Association of Medical Illustrators, which you helped create and led for many years, gave you its Lifetime Achievement Award.

Today, as director emerita of the department, you are serving under your eighth medical school dean and concluding your fifty-ninth year as a teacher. You have enhanced immeasurably the careers of hundreds of your students and colleagues.

Ranice Winifred Crosby, for your enthusiastic, lifelong dedication to both the past and the future of medical illustration, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

Citation read by
Stephen Szabo
In Presenting
ROBERT MUNDELL
For the Degree of Doctor of Humane Letters

Your powerful theoretical work in international economics has had direct and measurable impact in the real world. You laid the groundwork for what ultimately would become the common currency of Europe, the euro. You were a pioneer in increasing our understanding of monetary and fiscal policy mix; inflation, interest, and growth; and a monetary approach to the balance of payments. In awarding you the 1999 Nobel Memorial Prize in Economic Science, the Royal Swedish Academy said that your work had such far-reaching and lasting impact because it "combines formal—but still accessible—analysis, intuitive interpretation, and results with immediate policy application."

In a distinguished academic career, one of your earliest positions was at the Johns Hopkins Bologna Center between 1959 and 1961. We are proud that you returned there as visiting AGIP Professor of Economics in 1997, 1998, and 2000. You also have served on the staff of the International Monetary Fund and as an adviser to the IMF, the World Bank, the United Nations, the Federal Reserve, and the European Commission, among other important institutions.

Robert Mundell, in recognition of your immense and lasting contributions to the theory and practice of economics, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, bonoris causa.

Citation read by Richard E. McCarty In Presenting CAL RIPKEN JR.

For the Degree of Doctor of Humane Letters

Orioles fans have seen ballplayers come and go. But they have known only one Iron Man. In your twenty-three-year career, you became one of only seven players ever to record 3,000 hits and 400 home runs (and who knows how many glasses of milk?). You played in 2,632 consecutive games, an astonishing, record-smashing example of your dedication to the game, your teammates, the fans, and the Oriole Way.

At 6 feet 4 inches tall, you redefined the position of shortstop. And you stand tall in the community as well. You and your family recently created the Cal Ripken Sr. Foundation, dedicated to teaching baseball to underprivileged children and educating young people about the dangers of tobacco. To ensure youth baseball always has a home, you are building a family-oriented complex in your hometown, Aberdeen, Maryland, including six youth-sized stadiums for the more than 600,000 children playing in Cal Ripken Baseball leagues across the world.

Those who have never turned a double play also benefit from your generosity. The Kelly and Cal Ripken Jr. Foundation supports, among others, The Baltimore Reads Ripken Learning Center and The Kelly G. Ripken Program at Johns Hopkins Hospital, which offers thyroid education and patient care. And after breaking Lou Gehrig's "unbreakable" consecutive games record in 1995, you and the Orioles established The Johns Hopkins ALS Cal Ripken Jr./Lou Gehrig Fund to find a cure for the neuromuscular disease that took Gehrig's life.

Cal Ripken Jr., you are the Iron Man both on and off the field, in Baltimore, and around the world, and The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *bonoris causa*.

Citation read by
Daniel B. Wright and Chih-Yung Chien
In Presenting
JIANG SHUSHENG
For the Degree of Doctor of Humane Letters
Presented at Nanjing University, May 19, 2002

Universities create knowledge for the world. They convey that knowledge to the next generation. They lay the foundation for national development. They encourage the realization of human potential.

In all these roles, universities have been crucial to the historic advances of the Chinese people. And in all these roles, Nanjing University has excelled. Its success is due in no small measure to your contributions as student, pre-eminent scholar and scientist, and academic leader over more than forty of the university's hundred years.

As a scientist focusing on condensed matter physics, you have done groundbreaking work on dynamic diffraction of X-rays in crystals. You have made your university one of China's leaders in the field, earning numerous scientific awards.

As department chair, vice president, and now as the very model of a scholar-president, you have promoted excellence across all disciplines and led Nanjing University into the ranks of the greatest institutions in China. You have encouraged a renewal of China's rich intellectual traditions. As a member of the National People's Congress, you have participated in reform of higher education and other aspects of the nation's life. You have done all of this with characteristic diligence, true humility, good humor, and uncommon grace.

You also are strongly committed to a visionary partnership between your university and ours. The fruit of that partnership, the Hopkins-Nanjing Center for Chinese and American Studies, prepares those who will shape the future of U.S.-China relations. It has begun to foster new and innovative research into that important relationship. Your leadership and support make possible the center's vital work.

Jiang Shusheng, in recognition of your lasting impact on science, society, and the great university whose hundredth anniversary we now celebrate, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

THE UNIVERSITY MACE

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

THE PRESIDENTIAL INSIGNIA

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

ACADEMIC GARB

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

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

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

Dark blue—Philosophy

Light blue—Education

Green-Medicine

Salmon pink—Public Health

Orange—Engineering

Gold-yellow—Science

White—Arts and Letters

Pink—Music

Purple—Law

Apricot—Nursing

Tan—Business

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

Black, old gold—7ohns Hopkins University Red, gray—Ohio State University Light blue, white—Columbia University Orange, black—Princeton University Dark blue—Yale University Red—Rutgers University Light blue, white—University of North Carolina White, red—Temple University Gold, blue—University of California at Berkeley Gold, blue—University of California at Los Angeles Purple—New York University Light blue, navy blue—Union Institute Bright red—University of Wisconsin at Madison Gold, blue—United States International University Maroon—University of Chicago Gold, gray—University of Colorado Red, white—Cornell University Orange, white—University of Mauchester Cardinal—Stanford University Red—University of Maryland Cardinal red and gray—Massachusetts Institute Silver, red—University of New Mexico of Technology Dark red, white-University of Oklahoma Gold, blue—University of Michigan Red, blue—University of Pennsylvania Blue, gold—University of Rochester Black, red, yellow—University of Psaderborn Brown, red—Brown University Blue, gold—University of Toledo Blue, white—Howard University School of Divinity Gold, black—Vanderbilt University Red, white—Indiana University Gold—West Virginia University

Red, black—Northeastern University

THE UNIVERSITY MOTTO

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

AWARDS

Schools of Arts and Sciences, Engineering, and Medicine

LOUIS SUDLER PRIZE IN THE ARTS For excellence in the creative arts Jointly awarded to Jeffrey Samuel Arkles Wesley Hoke Smith

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

AMERICAN SOCIETY OF MECHANICAL ENGINEERING AWARD In recognition of outstanding

In recognition of outstanding efforts and accomplishments on behalf of the A.S.M.E. Student Section

Awarded to Rory Nicholas Thomas

ROBERTO R. ARELLANO AWARD For excellence in writing by a Writing Seminars undergraduate Awarded to Jaimee Elizabeth Hills

BIOMEDICAL ENGINEERING
UNDERGRADUATE RESEARCH
AWARD
For outstanding effort in
research in Biomedical
Engineering
Awarded to *Toral Ramanal Patel*

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

JAMES F. BELL AWARD
Presented by K.T. Ramesh for
outstanding undergraduate
research and scholarly
achievement in Mechanical
Engineering
Awarded to
Christopher Anthony Milburn

LUCIEN BRUSH AWARD FOR
EXCELLENCE IN
ENVIRONMENTAL ENGINEERING
For outstanding academic
achievement in Environmental
Engineering by a graduating
senior
Awarded to Michael Lee Parham

MARY FARRELL CAMERER AWARD For excellence in writing by a Writing Seminars undergraduate Awarded to *Victor Mark Mungen*

EUGENIO AND PATRICIA CASTILLO AWARD To the best first- or secondyear student in Economics Awarded to Xiaoguo Hu

CIVIL ENGINEERING AWARD For outstanding achievement by a senior in Civil Engineering Jointly awarded to Jason Alan Hughes Samar Rula Malek

JAMES S. COLEMAN AWARD
This award was established by
the Department of Sociology in
1994 in honor of Dr. James S.
Coleman, the first chair of the
department. The award is for
outstanding academic
achievement by a senior
majoring in sociology and is
presented at graduation.
Awarded to Soon-You Kwon

OUTSTANDING DOUBLE MAJOR AWARD FROM THE DEPARTMENT OF COMPUTER SCIENCE For outstanding achievement in combining diverse studies with computer science Awarded to Michael Reyes Tabernero OUTSTANDING SENIOR AWARD IN COMPUTER SCIENCE
To a senior for a demonstrated record of academic excellence, leadership, and service in Computer Science
Awarded to
Andrew Christopher Schleit

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

SPECIAL SERVICE AND
CONTRIBUTION AWARD IN
COMPUTER SCIENCE
For outstanding work to benefit
Johns Hopkins University and
the community
Jointly awarded to
Dylan Kynan Adams
Matthew Jeremy Michelson

OUTSTANDING TEACHING
AWARD FROM THE DEPARTMENT
OF COMPUTER SCIENCE
For outstanding effort in
assisting with the teaching of
our courses
Awarded to Benjamin Maritz

OUTSTANDING RESEARCH AWARD FROM THE DEPARTMENT OF COMPUTER SCIENCE Awarded to *Nicholas Adam Ramey*

ROBERT GEORGE GERSTMYER
AWARD
For outstanding undergraduate
achievement in Mechanical
Engineering
Jointly awarded to
John Berg
Tabish Mustafa
Brian Weibeler

G. STANLEY HALL PRIZE
For outstanding achievement by
an undergraduate in Psychology
Awarded to Alexis Joy Kant

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 Joshua David Lustig

JACOB H. HOLLANDER PRIZE For excellence in writing by a Writing Seminars undergraduate Awarded to *Mark Andrew Zipp*

THE THREE ARTS CLUB OF HOMELAND AWARD For excellence in writing by a Writing Seminars undergraduate Awarded to Andrew Hill O'Bannon

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

RICHARD J. JOHNS AWARD
For outstanding academic
achievement in Biomedical
Engineering
Jointly awarded to
Chang Y. Lee
Emerson Albert Lim
Nocholas Adam Ramey

DONALD E. KERR MEMORIAL
MEDAL
To the outstanding
undergraduate major in Physics
and Astronomy
Jointly awarded to
Bradley James Frey
Andrew Hill O'Bannon
Ellen Meredith Taylor

THE MARTIN AND MARY
KILPATRICK PRIZE
For outstanding achievement in
Chemistry
Jointly awarded to
Alexander P. Miceli
Ryan C. Todd

MARTIN G. LARRABEE AWARD For undergraduate research in The Thomas C. Jenkins Department of Biophysics Jointly awarded to Blair Randolph Lanier Paban Saha

THE EUGENE LEAKE AWARD For outstanding achievement in the Homewood Art Workshops Awarded to *Bonnie Gar-Mon Chen*

Danny Lee Award For outstanding undergraduate research in Biomedical Sciences Awarded to Lora Rebecca Pearlman

EMILY AND THOMAS MARIN SCHOLAR AWARD Established in 1998 in support of undergraduate students pursuing a BA/MS degree in Neuroscience Jointly awarded to Branden John Cord Eugene Wang

ERNEST M. MARKS AWARD In recognition of excellence in instruction and research in Chemistry Awarded to *Shoujun Xu*

MATERIALS SCIENCE AND
ENGINEERING AWARD
For outstanding academic
achievement by a graduating
senior in Materials Science and
Engineering
Awarded to Paul Gregory Oberson

MATHEMATICAL SCIENCES AWARD FOR ACHIEVEMENT Jointly awarded to Maura Katbleen Dudley Andrew Christopher Schleit

MATHEMATICAL SCIENCES
AWARD FOR EXCELLENCE IN
TEACHING
For outstanding teaching
performance by a student in the
Mathematical Sciences
Department during the year 2002
Awarded to Beryl Castello

WILLIAM D. McElroy AWARD For meritorious research conducted by an undergraduate in the Biological Sciences Awarded to *KiBem Kim*

AMERICAN LEGION AWARD Awarded to the ROTC cadet who demonstrated outstanding qualities in military leadership, discipline, character and citizenship Awarded to Erban Bedestani

DEPARTMENT OF THE ARMY SUPERIOR CADET AWARD Awarded to the ROTC cadet who ranks highest on the university Order of Merit list and demonstrates exceptional officer potential Awarded to Marc H. Hohman

DISTINGUISHED MILITARY
GRADUATE
For displaying outstanding
qualities of leadership, high
moral character, noteworthy
academic achievement, and
exceptional aptitude for military
service
Jointly awarded to
Marc Hale Hohman
Sarah Elizabeth Millsaps

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

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

Awarded to Neil Sachin Prakash

U.S. ARMY OFFICER COMMISSION The following students earned a United States Army commission through successful completion of the Army Reserve Officers Training Corps program. Awarded to Erhan Bedestani Michael Patrick Halas Pepijin M. Helgers Marc Hale Hohman Ryan L. Holak Christine Ann Mack Sarah Elizabeth Millsaps Michael Aaron Moak Neil Sachin Prakash Jennifer L. Smith

CHARLES A. MILLER AWARD Presented by Charles A. Miller ('40) for outstanding undergraduate achievement Awarded to Sbannon Theresa Browne

NADDOR PRIZE Awarded to *Pamela Pei*

DAVID S. OLTON AWARD For outstanding achievement in independent research by an undergraduate in Psychology Awarded to *Holly Anne Pippitt*

ROBERT B. POND SR.
ACHIEVEMENT AWARD
To the graduating senior in
Materials Science and
Engineering who best
exemplifies Professor Pond's
commitment to scholarly and
humane values
Jointly awarded to
Melody Pacifico Agustin
Julia Marie Deneen

PRESIDENT'S COMMENDATION FOR ACHIFVEMENT IN THE ARTS For outstanding contributions to the arts in the Johns Hopkins community by a graduating senior Awarded to Ivana Amaris Vanghn THE CURT P. RICHTER AWARD IN BEHAVIORAL BIOLOGY RESEARCH In recognition of outstanding achievement in the David S. Olton Behavioral Biology Program Awarded to Elliott Matthew Hirsch

THE SARAH AND ADOLPH ROSEMAN ACHIEVEMENT AWARD In recognition of outstanding accomplishment in Chemistry Awarded to *Ian M. Wasser*

DIANE O'CONNOR SALAZAR AWARD For promise and accomplishments in Chemistry research Awarded to Sarae Bausch

GERARD H. SCHLIMM AWARD For exceptional accomplishment by a student in Civil Engineering Awarded to Wei Duo Li

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

J. J. SYLVESTER AWARD
For outstanding achievement by
a senior in Mathematics
Awarded to Michael J. Gordon

ROBERT W. TUCKER AWARD For the most distinguished senior thesis in International Studies Awarded to Louisa Marie McClintock

JULIUS TURNER PRIZE
For the most distinguished
senior thesis in Political Science
Jointly awarded to
Exic Roger Leslie
Jeffrey Ma Shiv

JOHN BOSWELL WHITEHEAD AWARD

For outstanding achievements by an undergraduate in the Department of Electrical and Computer Engineering Awarded to Wesley Hoke Smith

LOY WILKINSON AWARD
For demonstrated record of academic excellence, leadership, and service in Chemical
Engineering by a graduating senior
Jointly awarded to
Scott Glen Burkholder
Michael Lee Parham

The Peabody Conservatory of Music

AMERICAN BASSOON COMPANY PRIZE in woodwinds: bassoon Awarded to *Andrea Sematoske*

CLINTON LEE ARROWOOD PRIZE in woodwinds: flute Awarded to *Suh Young Park*

CLARA ASCHERFELD AWARD in accompanying Jointly awarded to Nicholas Ong Hou Fei Yang

BALTIMORE MUSIC CLUB PRIZE in performance
Jointly awarded to
Michael Droettboom
Hilary Hart

MARIAN B. AND SAMUEL
BERNSTEIN MEMORIAL PRIZE
in opera
Jointly awarded to
Lori Hultgren
Israel Lozano-Gomez

MARTHA AND WM. BILL MEMORIAL PRIZE in woodwinds: clarinet Jointly awarded to Wendy Bickford Christina Story P. BRUCE BLAIR AWARD in composition
Awarded to Jason Allen

THE GEORGE CASTELLE
MEMORIAL AWARD in voice
Jointly awarded to
Ryan DeRyke
William Jason Hardy
Marlissa Hudson
Shannon Kiser
Christine Kavanaugh Miller
Tannny Wapinsky

DOROTHY L. DECOURT PRIZE in organ Jointly awarded to Erik Meyer Marvin Mills Jonathan Moyer

ISRAEL DORMAN MEMORIAL AWARD in strings Jointly awarded to Eleanor Norton Sara Spieth

CHARLES M. EATON MEMORIAL AWARD in voice Jointly awarded to Nicole Ameduri Galina Sakhnovskaya Sara Stewart

ANITA ERDMAN AWARD in opera Awarded to Chad Michael Freeburg

PAULINE FAVIN MEMORIAL AWARD in piano Jointly awarded to Hilary Demske Jonathan Korth

SIDNEY FRIEDBERG PRIZE in chamber music
Jointly awarded to
Gwendolyn Fisher
Sonya Lee
Elizabeth Mahler

RICHARD FRANKO GOLDMAN
PRIZE in performance
Jointly awarded to
Leigh Bender
Darlene Enke
Allyson Partin
Adam Pettit

LILLIAN GUTMAN MEMORIAL PRIZE in piano Awarded to *Hye-Young Kang*

Lynn Taylor Hebden Prize in performance Jointly awarded to Karl MacMillan Ted Toulouse

SIDNEY JENSEN MEMORIAL PRIZE in woodwinds: clarinet Awarded to *I-Fei Chen*

BRITTON JOHNSON MEMORIAL PRIZE in woodwinds: flute Jointly awarded to Jeeyoung Choe Brook Ferguson

JOSEF KASPAR AWARD in strings: violin Awarded to *Simon Lapointe*

GUSTAV KLEMM AWARD in composition
Awarded to Russell Nadel

LILLIAN HOWARD MANN
MEMORIAL AWARD in voice
Jointly awarded to
Amy Bonn
Miriam Browning-Nance

ROSE MARIE MILHOLLAND AWARD in piano Jointly awarded to Hui-Chuan Janet Kao Ya-Hsin Wu

ADA ARENS MORAWETZ MEMORIAL AWARD in composition Awarded to Judah Adashi OTTO ORTMANN AWARD in composition Jointly awarded to Christopher Pierce Thomas Rankin

OLGA VON HARTZ OWENS MEMORIAL PRIZE in strings Jointly awarded to Jennifer Anschel Ramsey Harvard

HAROLD RANDOLPH PRIZE in performance Awarded to *Gwendolyn Burgett*

RANDOLPH S. ROTHSCHILD AWARD in composition Awarded to *Allyson Covino*

ALICE AND LEARY TAYLOR PRIZE in performance Awarded to *Alan Carr*

MELISSA TILLER MEMORIAL PRIZE in strings: violin Awarded to *Valerie Li*

FRANCIS M. WENTZ TURNER MEMORIAL PRIZE in piano Awarded to *Yueh-Ling Lee*

J.C. VAN HULSTEYN AWARD in strings: violin
Jointly awarded to
Lesley Chen
Julie Cooper
David Gillham
Min Jung Kim
Amelies Mast
Jennie Press

ANNIE WENTZ PRIZE in voice Jointly awarded to Stephen Hensley Jennifer Strauss

FRANK D. WILLIS MEMORIAL PRIZE in composition Awarded to *Richard Lake* GEORGE WOODHEAD PRIZE in voice
Jointly awarded to
Jeremy Blossey
Beverly Kline
Mariatana Salerno
Arsenia Soto
Pinar Ucman

SARAH STULMAN ZIERLER PRIZE in accompanying Jointly awarded to Dimitri Dover Keiko Sekino

The School of Nursing

EMMA JONES BECKWITH CULLEN AWARD In recognition of the highest standards of nursing practice and executive ability Awarded to Megan Mercedes Gridley

ELEANOR WADE CUSTER AWARD

To a student who most successfully demonstrates initiative and creativity in improving the health of a community with sensitivity to one's fellow man Awarded to Jennifer K. Klein

BETTY CUTHBERT AWARD
To a student who demonstrates
outstanding commitment and
service to nursing and the
University
Awarded to
Rachel Blankstein Breman

THE MARY AND GRAINGER
MARBURG AWARD
In recognition of a student who
consistently exhibits outstanding clinical nursing
expertise
Awarded to Richard Erling Muns

ROBERT G. MERRICK AWARD To a student demonstrating outstanding leadership in the field of nursing Awarded to *Rajushree Koppolu*

RUTH DALE OGILBY AWARD
In recognition of exceptional
academic performance in the
Master's program
Jointly awarded to
Joseph Anthony Aguilar
Wilhelmina Charlmain Johuson
Kathryn Marie Noll

EDNA SCHOEN MEMORIAL AWARD To a student demonstrating excellence in clinical practice Awarded to Shannon Rae Micheel

JOAN SUTTON AWARD

To a student demonstrating
a strong dedication to
professional nursing, clinical
excellence, and interdisciplinary
practice
Awarded to Karen Amy Mathiesen

ACADEMIC EXCELLENCE AWARD
To a student whose academic
performance has been judged to
be outstanding
Jointly awarded to
Amy Elizabeth Edwards
Kate Parker Knott
Laura Jean Williams

CHURCH HOME AND HOSPITAL NURSING ALUMNAE AWARD Recognizes a student who best exemplifies a humanistic approach to nursing while integrating the art, science, and spirit of nursing Awarded to Crystal Claire Guengerich

JOHNS HOPKINS NURSES'
ALUMNI ASSOCIATION AWARD
Recognizes a student whose
leadership ability is combined
with clinical competence and an
inquiring mind
Jointly awarded to
Tracy Anne Agee
Ruth J. Berg

JOHNS HOPKINS NURSES'
ALUMNI ASSOCIATION AWARD
To a graduate student
demonstrating expertise in
professional nursing practice
and patient centered health care
delivery
Awarded to Mary Beth Gerasch

SIGMA THETA TAU NU BETA CHAPTER AWARD To a graduate nursing student in recognition of superior academic achievement, creative scholarship, and research Awarded to Stephanie Lynn Sanders

SINAI NURSES' ALUMNAE
ASSOCIATION OF SINAI
HOSPITAL, INC.
To a student who exhibits
enthusiasm, compassion, and a
positive approach to problem
solving in nursing
Jointly awarded to Jessica Haines
Elizabeth Ann Richardson
Laurie Roberts Rome

LEADERSHIP AWARD
To a graduate nursing student demonstrating outstanding leadership in the field of nursing Awarded to
Marie Dominique Asheu

The School of Professional Studies in Business and Education

DELTA SIGMA PI SCHOLARSHIP KEY In the Division of Business and Management for the highest grade point average in the undergraduate program Awarded to Gary Alan Corso

EDWARD J. STEGMAN, CPA, MEMORIAL AWARD
This award is presented each year to students who graduate with a 4.0 grade point average and receive a Master of Science

in Business or a Master of
Business Administration degree.
Jointly awarded to
Susan Lynn Burke
Monica Davis Giffhorn
Patrick Gerard Maggitti
Jessica Leigh Marantz
Eileen Marie Pencek
Brenda Cachnela Sandbank
Florence Wee Ming Tan

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

Wall Street Journal Award In the Division of Business and Management for outstanding scholarship in the undergraduate programs and exceptional promise of future success Awarded to Timothy Craig Parham

BACHELOR OF SCIENCE IN INTERDISCIPLINARY STUDIES AWARD FOR HUMANITIES Jointly awarded to James Gray Collins David Thomas Earle

The School of Medicine

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. Jointly awarded to
Kevin Bruce Jones
Lee Ching Wu

THE PAUL EHRLICH RESEARCH AWARDS

The Paul Ehrlich Awards were established to honor Dr. Paul Ehrlich with funding originally granted by Dr. Emmanuel Libman. The awards, which recognize student research contributions, are presented each year at Young Investigators' Day. Jointly awarded to Timothy An-Thy Chan Hee Jung Chung Feffrey Adam Gusenoff Joseph Fenton Lawler Jr. Sara Isabel Pai Zefeng Wang Jun Xia Haining Zhong

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

HAROLD LAMPORT BIOMEDICAL RESEARCH PRIZE
The memory of Dr. Harold Lamport, a distinguished investigator, is honored by this prize established by the Lamport Foundation. The prize recognizes research contributions.
Jointly awarded to Patrik Gabikian Matthew Edward Nielsen Amytis Towfighi

THE DAVID ISRAEL MACHT RESEARCH AWARD The David Israel Macht Memorial Prize was established in 1983 by the family of Dr. Macht to commemorate the centenary of his birth. Dr. Macht was a member of the faculty of the Departments of Pharmacology and Medicine in the early part of this century and was a pioneer investigator in the field of opiate alkaloids. The prize is intended to recognize excellence in investigation by a student in the School of Medicine. Jointly awarded to Jianwu Bai Carlo Giovanni Traverso

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

Novaritis Award for Outstanding Community Service

The Novaritis Pharmaceutical Company makes a yearly award to that student in the second year of the School of Medicine who is judged by classmates to have made the greatest contribution to our community. Jointly awarded to Sona L. Aggarwal Megan Rist Haymart

THE FRANKLIN PAINE MALL
PRIZE IN ANATOMY
The Franklin Paine Mall Prize
in Anatomy established by
Dr. Miley B. Weston, an
alumnus of the School of
Medicine, is given in the name
of Franklin Paine Mall, the first
Professor of Anatomy in the
School of Medicine.
Awarded to
Kent Ronald Nilsson Jr.

THE HANS JOAQUIM
PROCHASKA RESEARCH PRIZE
The Hans Joaquim Prochaska
Research Prize was established
in 1998 to honor outstanding
discovery by a student in the
School of Medicine.
Awarded to
Venkatesh Locharla Murthy

THE IVOR AND COLETTE
ROYSTON AWARD
This award, which recognizes
student research contributions,
was made possible by a
generous donation from the
San Diego Foundation Ivor and
Colette Royston Fund at the
recommendation of Dr. Ivor
Royston and Mrs. Colette
Royston.
Awarded to Hyung Joon Chun

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

role in the training of a generation of graduate students of this institution. Awarded to Michael Thomas Hemann

THE W. BARRY WOOD
STUDENT RESEARCH AWARD
The W. Barry Wood Student
Research Award recognizes
present commitment and future
promise in research.
Jointly awarded to
Hyung Joon Chun
Jennifer Kim Lee

The Bloomberg School of Public Health

J. HOWARD BEARD AWARD To an outstanding student pursuing a career in local or state public health work Awarded to *Joann Kim*

DR. HENRY K. AND LOLA BEYE SCHOLARSHIP
To an outstanding International Health student with a medical degree
Awarded to Yandong Qiang

RUTH B. AND J. DOUGLAS
COLMAN SCHOLARSHIP
To an outstanding preventive
medicine resident
Awarded to *Tom T. Shimabukuro*

THE ESKRIDGE FAMILY
STUDENT SUPPORT FUND FOR
INTERNATIONAL STUDENTS
To an outstanding international
student
Awarded to Cesar Gavidia

CHARLES D. FLAGLE AWARD To recognize outstanding research in the area of health services research Awarded to *Nadine Rogers* THE GLAXOSMITHKLINE
BEECHAM PREVENTIVE
MEDICINE RESIDENCY
SCHOLARSHIP
To an outstanding preventive
medicine resident
Awarded to Jason M.M. Spangler

THE HOWARD C. AND JANE R. GOODMAN FUND
To an outstanding Master of Public Health student
Awarded to Daniel Mudrick

THE PAUL A. AND C. ESTHER HARPER AWARD IN POPULATION AND FAMILY HEALTH SCIENCES To a graduating student in Population and Family Health Sciences to recognize academic excellence and achievement Jointly awarded to Heena Brabmbhatt Laura Porter Athena Tapales

THE JOHN C. HUME
DOCTORAL AWARD
To recognize significant
doctoral research in Health
Policy and Management
Awarded to Mary Garza

THE JOHN C. HUME FUND FOR ACADEMIC EXCELLENCE AND PROMISE IN A MASTER OF PUBLIC HEALTH STUDENT To a graduate for academic excellence and professional promise Awarded to Ziad Gellad

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 in the Department of Mental Hygiene dedicated to advancing knowledge of the epidemiology and prevention of mental disorders

THE CAROL ELIASBERG
MARTIN SCHOLARSHIP IN
CANCER PREVENTION
To an outstanding student
whose work holds promise for
preventing cancers that relate
to women
Awarded to Shehnaz Hussain

Awarded to Kenneth R. Petronis

THE MARGARET MERRELL FUND
To a Biostatistics doctoral student in recognition of outstanding research Jointly awarded to Chiung-Yu Huang
Thomas Travison

THE RUTH RICE PUFFER FUND FOR INTERNATIONAL STUDENT SUPPORT
To an outstanding student who is not a U. S. citizen
Awarded to Francisco Armada

THE R. BRADLEY SACK FAMILY SCHOLARSHIP AWARD
To an outstanding doctoral student studying infectious disease in the developing world Awarded to Luke Mullany

The Paul H. Nitze School of Advanced International Studies

WILLIAM C. FOSTER AWARD
To a second-year student for sound scholarship and a record of leadership and distinguished service to SAIS exemplary of the high qualities of integrity, loyalty, and ability admired in Mr. Foster
Jointly awarded to
Karin Janelle Churchey
Christine Drew Dragisic
Abram J. Ellis
Sherry Louise Knoerzer
Kathleen E. Maloney

CHRISTIAN A. HERTER
ACADEMIC AWARD
To the member of the secondyear class with the most
outstanding record during the
first year
Awarded to *David Peters*

HONOR SOCIETIES

Phi Beta Kappa

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

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

Kirstin Lee Abel Bhawna Arya Sanjay Ayer Patricia Rianne Ayoung-Chee Daisy Han Bang Piyush D. Banker Charbel J Barakat Inseevah Haider Barma Jordan Eric Bear Katherine Leah Blumoff Brett C. Borsare Suzanna Pacht Brickman William Alan Brown Nikolas Robert Buescher Alison Beth Calhoun Kathryn Patricia Carr Daniel Chen-Kang Chao Bonnie Gar-Mon Chen William Bancroft Clark Margaux Coady Sonia Cohen Joseph Jay Cooper Monisha Niru Dandekar Sarah Lynn Davies Peter James DiConza Brandon Albert Doerr Steve Nanhua Dong Bennett A. Fisher

Lionel Dean Foster

Rachel Deborah Freed

Bradley James Frey Catherine Margaret Gall Theresa Marie Gallup Matthew John Giuliano Michael J. Gordon Amy Loren Gross Sandrine Louise Guez Rana Farouk Hamdy Rebecca Catherine Hanna Jason John Harburger Elliot Matthew Hirsch Karen Genevieve Hirsch Marc H. Hohman Andrew Chung-Pi Hsu Cindy Hsing-Liang Hsu Matthew J. Hudock Sung Hvuk Im James William Ingraham Adam David Jackley Eileen Jain Priscilla Peter Jesunathadas TeHsun Juang Sheryl Rose Kane Alexis Joy Kant Dana Theresa Kausmeyer Mohammed Fahad Khan Claire Jin Kim Eun Jung Kim Sanghee Kim Matthew Charles Kleinmaier Keli Nicole Kolegraff Jennifer Hong Kuo Soon-You Kwon Nicholas Dominic LaBruna Blair Randolph Lanier Chung Albert Lee Judy W. Lee Philip Lee SooHyung Lee Aaron A. Lemon Christopher Burns Leopold Eric Roger Leslie Marcus Leung-Shea Nellie Lew P. Samantha Lewis Elaine Lin Jennifer Hsing-Yi Lin Meredith Lauren Make Rino Matsunaga Sean Michael McAllister Louisa Marie McClintock

Neil J. Mehta

Megan Rebecca Mentrek

Joanna Irene Michell

Valerie Jean Mikles Nadezhda Mouzykina Molly Elizabeth Newton Jane Hyejin Oh María Del Pilar Ortega Adam C. Pappas Vinay Kishor Parekh Jane Shin Park Justin C. Paul Holly Anne Pippitt Emily Linda Popp Steven Bradley Porter Vikrant Rachakonda Dorit Yakova Radzin Stacy Ann Redding Elizabeth Holmes Renaut Katie Marie Ridgway Kira Robinson-Kates Daniel Patrick Rohr Paban Saha Michael Benjamin Schwartz James Jonas Shea Gregory Chen Shih Shannon Young Shin Denise Shiu Jeffrey M. Shiu Benjamin Charles Silverman Karl Douglas Sineath Joseph Alderson Smith Samuel Jacob Spinner Arvind I. Srinath Mary Regina Stahley Bonnie Sun Ellen Meredith Taylor Deborah Lee Tsuchida Elizabeth Caroline Tuffiash Rachel Lyn VanKirk Esther Elizabeth Vorovich Eugene Wang Jenli Dawn Waters Naomi Beth Wilson Ariel S. Winter Wah-Tsz Patricia Wong Amy Yi-Pei Yang Ari Joshua Zakem Luke Christopher Zipp Mark Andrew Zipp

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

Andrew Justin Albin Katharine Elizabeth Bernsohn Branden John Cord Chun Fu Huang Erika Marie-Luise Hunsicker Ki Bem Kim Joshua David Lustig Yinchong Erica Mak Lora Rebecca Pearlman Steven Mark Silverman Pasha Siraj Sarah Judith Spinner

FROM THE SENIOR CLASS IN THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES ELECTED IN 2000

David Liska Andrew Hill O'Bannon

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

Heena Pushkar Brahmbhatt Ming-Yu Fan Helen Ilse Meissner Manju Rani

FROM THE PAUL H. NITZE SCHOOL OF ADVANCED INTERNATIONAL STUDIES

Myra Lexie Betron Khalid Shaher Itum

From the M.D. Candidates in The School of Medicine

Nia Danielle Banks Stefan Rishi Jibodh David Francis Scollan Wakenda Kachina Tyler Nathan Collins Walk

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

Jianwu Bai German Cavelier Hong-Erh Liang Andrew Paul Van Demark

Woodrow Wilson Undergraduate Research Fellowship Program

Unique to Johns Hopkins University, the Woodrow Wilson Undergraduate Research Fellowship Program 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. Founded in 1999, the Woodrow Wilson Undergraduate Research Fellowship Program is graduating its first class of researchers; these 10 seniors are part of the inaugural class of students accepted as freshmen and sophomores three years ago.

Alison Beth Calhoun Andrew Chung-Pi Hsu Khalid Shaher Itum Priscilla Peter Jesunathadas Jennifer Hong Kuo Luiz Fernando Pantalena Vikrant Rachakonda Corentin Philip Seznec Gregory Chen Shih Arati Shroff

Tau Beta Pi National Engineering Honor Society

From the Senior Class in The G.W.C. Whiting School of Engineering

ELECTED IN 2002

Lee Randall Aarons Kenneth Sungman Chen Ming-Chieh Ding Alex Salk Donohue
Lisa Marie Guardabascio
John Christopher Hicks
Julius Sheng-Loong Lim
Nicholas Andrew Lord
Philip Cosgrove Mahoney
Benjamin Lennox Maritz
Cyrus Rich Moon
Daniel Leo Moon
Arash Mostaghimi
Patricia Joo Young Park
David Nathaniel Sampson
Wesley Hoke Smith
Jeffrey Paul Spalazzi

ELECTED IN 2001

Shannon Theresa Browne Brendon Young-Don Chung Alan Gabriel Goodman Jesse Cooper Himmelstein Stuart Duncan Ibsen Carmen Frances Lanio Melissa Harin Lee Clifton T. Lin Christopher Ta-Wei Lui Peter Curtis Magic Samar Rula Malek Keith Jeffrey Mathers Christopher Anthony Milburn Max Benjamin Smolens Michael Reves Tabernero Tina Louise Thompson

ELECTED IN 2000

Walter Barmak Alan Ryan Braly Mark Choi Suk-yeon Hwang Bryan Su-Hyun Jeun Tara Lynn Johnson Jeongsun Kim Chang Y. Lee Emerson Albert Lim Scott Brian Miserendino Timothy J. Muldoon Chirag Rajan Patel Srinivas Peddi Nicholas Adam Ramey Alok S. Sathaye Andrew Christopher Schleit Azeem Hanif Sherali Mohammad Abbas Yaseen Robert Paul Yashinski Jr.

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:

Jaime Suzanne Arruda Nia Danielle Banks Anne Erskin Bowles Lynette Mardel Brown Edward Richard Garcia Nazanin Michelle Hanjani Leslie Klein Hoffman Stefan Rishi Jibodh Alexander Y. Lin Danil Victor Makarov Kristen Newman Nasto Matthew Edward Nielsen Kent Ronald Nilsson Jr. Ina Park Rhee David Francis Scollan Monika Srivastava Wakenda Kachina Tyler Nathan Collins Walk lee Ching Wu

Delta Omega National Public Health Honor Society

Francisco Alejandro Armada Pratibha Banwarilal Bagaria Michael A. Barone Rachel Garelick Berger Susan M. Bernard Heena Brahmbhatt Jeannette Gabrielle Breugelmans Anne Elizabeth Burke Hui-Ming Chung Christopher James Conners Rita L. Abboud Donaldson Alina Hadjian Dorian David Wesley Dowdy Mats Anders Erik Ek Sarah Alcott Freeh James Van Rensselaer Hunt Freeman

Mary Alice Garza Kate Elizabeth Gilroy Michael F. Goldberg David Stanley Hausner Scott J. Hoffman Elizabeth Anne Hunt Myra Freda Jacobs Amy J. Khan Eli J. Korner Brett Daniel Lee Karr-Ming Lee Mark Jeffrey Levine Cheryl Beadle Marple Arvin Meiia Wayne Gerald Miller Daniel William Mudrick Eugene Oh Odile Pham-Tan Benjamin Ryan Phelps Skorn Ponrartana Rebecca Frances Rabin Erika D. Schroeder Alison J. Scott Padma Shetty Lily Somwaru Jason Michael Murray Spangler Rebecca Shannon Spicer Armand Grant Sprecher Sandra Jacobs Summers Anupama P. Tantri Michelle Elaine Tarver-Carr Michael Ellsworth Thompson Van Thi Ky Tong Dhananjay Madhukar Vaidya Todd Joseph Vento Amneet Virk Patrick Thomas Wilson Kristina So Yon Yu-Isenberg

Graduates inducted into Delta Omega as alumni:

William N. Checkley Helen Ilse Meissner Devon C. Payne-Sturges Pajongsil Perngmark Waimar Tun Juliana Esibuaba Yartey

Graduate inducted into Delta Omega as faculty:

Peter P. Zandi

Sigma Theta Tau International Honor Society of Nursing

The following graduate students are members of Sigma Theta Tau:

Sharon H. Allan Julie Allgood Anderson Melissa L. Ashby James B. Bryant Jr. Holly C. Calvert Jessica Dawson Kugel Conrad Johanna Mae Devera Donna M. Dorr Janna Lyn Everhart Jason E. Farley Teresa L. Kessell Joan Alyne Krason Wei-Ting Lin Anny Most Tammy L. Nissly Vinciya Pandian Stephanie Lynn Sanders Sandra Jacobs Summers Tam M. Warczynski

The following undergraduate students are members of Sigma Theta Tau:

Enid Sharon Abrahami Danielle Marie Adams Elizabeth Suzanne Bradley Shannon Marie Browher Sarah Abery Burnam Julie Bylund Jennifer Lynn Childrey Jennifer Ann Clemo Dianna Sheryl Deemer Michael Patrick Dutton Erica K. Eckroad Amy Elizabeth Edwards Linda Joyce Fadely Stephanie Marie Glad Elina Gofman Jessica Marie Grones Crystal Claire Guengerich Jessica Haines Jane Mary Hannon Andrea Michelle Hernandez Sarah Stacy Howard Deanna Marie Karlstad Jennifer K. Klein

Kate Parker Knott Stanley Lorenz Koleszar Laura Beth Lamons Joy Marie Larson Paniela Constance Leich Gloria Ann Marshall Karen Amy Mathiesen Shannon Rae Micheel Megan Beth Mulvany Richard Erling Muus Ann Rachael Neustadter Tamar B. Newman Carrie Lee Patton Allison Brooke Purvis Kathryn Stone Reber Maureen Paula Ritcey Laurie Roberts Rome Margaret Anne Runge Sara Janelle Russell Karen Lynn Schloeman Brittany Ann Serences Mina L. Shapiro Karie Lynn Siljamaki Kimberly Elizabeth Stephens Lara Marie Street Shawn Michael Sullivan Monica Elizabeth Taylor Lee Ann Walker-Illig Jeanette Margaret Warson Nancy Samantha Waxman Kathryn Grace Welty Camille Lynn Whelan Erin E. Whyatt Laura Jean Williams Jessica Dibbon Wolff Amy Melissa Woll Yanting Zhu

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

Alpha Sigma Lambda

Alpha Sigma Lambda is a national honor society for undergraduates in continuing higher education and is dedicated to the advancement of scholarship and leadership. Membership in the Theta Omicron Chapter is open to matriculated undergraduates who have attended the School of Professional Studies in Business and Education for at

least four semesters and have completed at least 30 credits in the School of Professional Studies in Business and Education with a 3.2 grade point average.

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

James Gray Collins
David Thomas Earle
Susan Hecht Maggio
Angela M. Ruddle
Kristina Lee Stacey
Kimberly Annette Witmer
Kathleen Bea Watts Ziolkowski

Delta Sigma Pi

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

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

Arjumand A. Ansari Veronica Marcella Black Christopher Blakeslee Timothy Gerard Butler Effie Dolan Beth Fabian Fritsch Linda Jean McNamara Teresa Marie Newman Ahmed Rizwan

HONORS

General University Honors
General University Honors
were determined at the end of
March 2002 for students who
had achieved a cumulative
Johns Hopkins University
G.P.A. of 3.5 or higher.
Students earning this honor at
the end of the spring 2002
semester will have that
notation placed on their final
transcripts.

Baccalaureate Candidates Graduating with General Honors

The Zanvyl Krieger School of Arts and Sciences

Kirstin Lee Abel Andrew Justin Albin Bhawna Arva Saba Naureen Awan Sanjay Ayer Patricia Rianne Ayoung-Chee Mollie Driscoll Bailey Rita Nanik Bakhru Daisy Han Bang Piyush D. Banker Charbel J Barakat Dilek Elizabeth Barlow Inseevah H. Barma Elisabeth G. Baron Olga Elena Bashbush Martinez Ashita Satish Batavia Iordan Eric Bear Eric Charles Berman Myra Lexie Betron Ioanna Beth Bloch

Michael Lewis Blumenfeld

Matthew Edward Boccia

Suzanna Pacht Brickman

Timothy Lloyd Browne

Nikolas Robert Buescher

Kimberly Dawn Burton

Kathryn Patricia Carr

Alison Calhoun

Bani Chander

William Alan Brown

Brett Carleton Borsare

Katherine Leah Correll Blumoff

Anne-Sybil Miquelon Bragadir

Suchitra Chandrasekaran Alex Chia Chang Daniel Chen-Kang Chao Bonnie Gar-Mon Chen Arnab B. Chowdry Kyunghan Chung Iulia Radford Clark William Bancroft Clark Margaux Coady Sonia Cohen Joseph Jay Cooper Branden John Cord Manesh Sanat Dagli Monisha Niru Dandekar Sarah Lynn Davies Arkaprava Deb Alizah Zissel Diamond Peter James DiConza Brandon Albert Doerr Steve Nanhua Dong Edward Isaac Robert Dovere Richard Todd Evans Iohanna Lvnn Ferraro Bennett Alexander Fisher Lionel Dean Foster Rachel Deborah Freed Bradley James Frey Catherine Margaret Gall Leigh Frances Gallagher Theresa Marie Gallup Jacqueline Mary Garonzik Cornelia Sarah Georgiadis Matthew John Giuliano Aaron Michael Glazer Benjamin Michael Goldberg Alison Brooke Goodrich Michael J. Gordon Michael Evan Gottlieb Stephen Aaron Goutman Amy Loren Gross Sandrine Louise Guez Michael T. Halchak Rana Farouk Hamdy Melissa Rose Hanham Rebecca Catherine Hanna Jason John Harburger Tanya Tehmina Hashim David R. Hay Elliot Matthew Hirsch Karen Genevieve Hirsch Frieda Ann Hoffman Marc Hale Hohman

Andrew Chung-Pi Hsu

Cindy Hsing-Liang Hsu Erika Marie-Luise Hunsicker Brian Michael Iacoviello Sung Im James William Ingraham Rebekah Ann Itzkowitz Khalid Shahen Itum Ranee Jaber Adam David Jackley Eileen Jain Priscilla Peter Jesunathadas Tina Michelle Johnson Te-Hsun Juang Sharon Lynn Jue John Young Jun Sheryl Rose Kane Alexis Joy Kant Dana Theresa Kausmeyer Faiz Khan Jocevln T.D. Kelly Mohammed Fahad Khan Claire Jin Kim Eun Jung Kim Kibem Kim Michelle Ji-sun Kim SangHee Kim Michelle Yum Kincaid Rachel Dara Kincaid Matthew Charles Kleinmaier Keli Nicole Kolegraff Aneesha Kumar Jennifer Hong Kuo Nicholas Dominic LaBruna Anuradha Lala Blair Randolph Lanier Brenda Sun Lee Chung Albert Lee Judy Washington Lee Nahyoung Grace Lee Philip Lee Soo Hyung Lee Aaron Andrew Lemon Christopher Burns Leopold Jr. Eric Roger Leslie Marcus Leung-Shea Nellie Lew Pamela Samantha Lewis Elaine Lin Jennifer H. Lin Steven Abraham Lipstein David Liska

Elizabeth Catherine Luedtke Joshua David Lustig Yinchong Erica Mak Meredith Lauren Make Ioshua Malo Alex Mammen Amy Ann Mathew Rino Matsunaga Wheeler Thomas Maxwell Sean Michael McAllister Louisa Marie McClintock Neil Jagdish Mehta Megan Rebecca Mentrek Joanna Irene Michell Valerie Jean Mikles Emily Stinnett Miller Anuj Kumar Mittal Nadezhda L. Mouzykina Kaveh Alan Nabavighadi Molly Elizabeth Newton Priya Nori Alicia Melissa Novak Andrew Hill O'Bannon Matthew Richard O'Brien Jane Hyejin Oh Comfort Chinazom Onyiah María del Pilar Ortega Luiz Fernando Pantalena Adam Pappas Vinay Kishor Parekh Jane Shin Park Lee Ho Park Justin Christopher Paul Lora Rebecca Pearlman Holly Anne Pippitt Emily Linda Popp Jolene Vailoces Porter Steven Bradley Porter Benjamin Matthew Pranger Vikrant Rachakonda Dorit Yakova Radzin Amy Lynn Reardon Stacy Ann Redding Elizabeth Holmes Renaut Katie Marie Ridgway Kira Robinson-Kates Charlotte Haun Roh Daniel Patrick Rohr Ian Matthew Ross Paban Saha Andrew David Schmidt Michael Benjamin Schwartz Corentin Philip Weems Seznec

Cindy Meng-Hsin Liu

Samuel Isaac Lovitch

James Jonas Shea Shannon Young Shin Leanne Kristen Shipley Denise Shiu Jeffrey Ma Shiu Seth Brendan Short Arati Shroff Benjamin Charles Silverman Steven Mark Silverman Karl Douglas Sineath Pasha Siraj Joseph Alderson Smith III Brian June Song Ryan Saldaña Songco Sarah J. Spinner Arvind Iyengar Srinath Mary Regina Stahley Whitney Wyatt Stevens Kelly Marie Straub Bonnie Sun Ellen Meredith Taylor Glen Wilson Taylor Deborah Lee Tsuchida Katherine Peyton Tucker Elizabeth Caroline Tuffiash Nancy Tulathimutte Ross Brent Tuttleman Rachel Lvn Van Kirk Esther Elizabeth Vorovich Jenli Dawn Waters Augusta Catherine Whitney Naomi Beth Wilson Ariel S. Winter Marc Roland Winter Victoria Ruth Winter Wah-Tsz Patricia Wong Stephanie Anne Victoria Yablonski Amy Yi-Pei Yang David Yu Lua Kamál Yuille Ari Joshua Zakem William Anthony Russo Zinn Luke Christopher Zipp Mark Andrew Zipp

Baccalaureate Candidates Graduating with General Honors

The G.W.C. Whiting School of Engineering

Lee Randall Aarons Hussein Akhavannik Jonathan Wayne Apperson

Walter Barmak Alan Ryan Braly Shannon Theresa Browne Christopher Douglas Brushett Scott Glen Burkholder Ellen Elizabeth Carey Joseph Levi Chazen Joey Chau Brendon Young-Don Chung Robert Christopher Davies Scott Thomas DeNegre Ming-Chieh Ding Alex Salk Donohue Joshua Adam Freedman Boris Gelfand Lewis Jackson Gentry Alan Gabriel Goodman Lisa Marie Guardabascio Kanya Hasegawa John Christopher Hicks Jesse Cooper Himmelstein Jason Alan Hughes Stuart Duncan Ibsen Bryan Su-Hyun Jeun Tara Lynn Johnson Sheng-Tzu Priscilla Jui Jeongsun Kim Dawn Michelle LaBarre Brian Wesley Lang Bryan Hafen Leavitt Chang Y. Lee Melissa Harin Lee Stanton Shing Joe Lee Emerson Albert Lim Julius Sheng-loong Lim Caroline Nancy Lobo Peter Daniel Loeffler Gary M. Long Nicholas Andrew Lord Christopher Ta-Wei Lui Dory T. Lummer Peter Curtis Magic Philip Cosgrove Mahoney Samar Rula Malek Benjamin Lennox Maritz Keith Jeffrey Mathers Christopher Anthony Milburn Scott Brian Miserendino Daniel Leo Moon Timothy J. Muldoon Paul Gregory Oberson Daniel Scott Olson Michael Glen Overstreet Chirag Rajan Patel Toral Ramanlal Patel

Zarana Sharad Patel

Srinivas Peddi
Nicholas Adam Ramey
David Nathaniel Sampson
Alok S. Sathaye
Andrew Christopher Schleit
Nikesh Dilip Seth
Isariya Sinlapapreechar
Wesley Hoke Smith
Max Benjamin Smolens
Jeffrey Paul Spalazzi
Rory Nicholas Thomas
Tina Louise Thompson
Mohammad Abbas Yaseen
Robert Paul Yashinski Jr.
Nathaniel Paul Young

Masters Candidates Graduating with General Houors

The Part-Time Programs in Engineering and Applied Science

David Alger Jamie Almodovar Donald Andrasik Susan Andrews Kenneth Baile Dmitry Bakaev Dean Baker Frederick Baker Denise Beecher Sumeet Bhalla Hassan Bilgrami Mark Bittenbender Supriyo Bose Aaron Boteler Vance Brahosky Andrew Brenner Peter Butziger Rachael Cangelosi Glenn Carey Gregory Carswell Keith Caruso Scott Casper Xia Chang Liping Chen Peter Chines Daniel Christine Jermaine Corley Richard Croteau Michael Davies Steven Day Michelle Donnelly

Andrew Driesman Thuren Drown William Duster John Farrar Michael Fink Donald Florence Darlene Frederick John Freeman Peter Fritsch Raymond Gabany Rebecca Gassler Sandra Gedeik Darryl Gomez John Groenenboom Jing Gu Ping Guan Wilman Guevara Glen Gwanger Marshad Haeri David Hahn Brain Hall David Harms Gregg Harrison Jennifer Henkel Joshua Henly Sandra Ho Christopher Holt Robert Holsopple Thomas Huff Jeffrey Hutchison Yuxin Jiang Kim Jones Joseph Karolchik Wayne Kirn John Klimchak Christina Ko Zhongwu Lai Kenneth Lambert Brain Lawler Rebecca Lawson I Marcel Leblanc Gary Levy David Libershal Valarie Mallder Alan Mazuc Donald Metz Brian Middleton Thomas Mielke Michael Min Ceclia Mitchell John Murray Lee Myers Meenakshi Narayanan Brant Palmquist Vishram Pandit

Matthew Paradise

Heidi Doyle

John Parente Patrick Perusse Adam Peterson Paul Pharr Alessandro Piovaccari Michael Pratscher Martin Preston Lixin Qie Fangtu Qui Kalyan Ram Scott Raymond Christopher Rennie Cheryl Resch David Ryan Brian Sawickey Paul Schapiro Raymond Schmittlein Frances Scilipoti David Sheppard Maureen Sherer Wei Shu David Smith Steven Southard Janet Spedden Anthony Spenard Michael Stein Craig Stevens Charlotte Sullivan Hengky Survadi Ann Szakmeister Shahana Tanveer Srividya Thirumalai Ramanatha Thirunallaih Domenic Turchi Dave Tushar Daniel Unger Joseph Unger Christopher Vance **Judith Walker** Lorraine Weaver Tim Wei Allison White Michael Whitehead

Leo Wong

Thomas Woolheater

Baccalaureate Candidates Graduating with Departmental Honors The Zanvyl Krieger School of Arts and Sciences Kirstin Lee Abel, Chemistry Zainab Sakina Akbar, Anthropology Patricia Rianne Ayoung-Chee, Neuroscience Mollie Driscoll Bailey, Writing Seminars Rita Nanik Bakhru, Neuroscience Daisy Han Bang, Cognitive Science Piyush D. Banker, Neuroscience Charbel J. Barakat, International Studies Dilek Elizabeth Barlow, French Olga Elena Bashbush Martinez, International Studies Nayantara Basu-Sen, Anthropology Catherine Patricia Batza, History Jordan Eric Bear, History of Art Anne-Sybil Miquelon Bragadir, International Studies Nikolas Robert Buescher, Social & Behavioral Sciences-Public Health Alison Calhoun, French Kathryn Patricia Carr, Writing Seminars Alex Chia Chang, Neuroscience Bonnie Gar-Mon Chen, Arnab B. Chowdry, Biophysics Sonia Cohen, Neuroscience Joseph Jay Cooper, Neuroscience Branden John Cord, Neuroscience

Monisha Niru Dandekar,

Nicholas John Detsch,

Steve Nanhua Dong, Neuroscieuce

International Studies

Edward-Isaac Robert Dovere,

Arthur J. Esswein, Chemistry

Neuroscience

Philosophy

Lionel Dean Foster, Writing Seminars Bradley J. Frey, Physics Catherine Margaret Gall, History Leigh Frances Gallagher, Writing Seminars Theresa Marie Gallup, Chemistry Cornelia Sarah Georgiadis, Philosophy Aaron Michael Glazer, History Benjamin Michael Goldberg, Neuroscience Alison Brooke Goodrich, International Studies Michael J. Gordon, Mathematics Stephen Aaron Goutman, Neuroscience Melissa Rose Hanham, International Studies Rebecca Catherine Hanna, Cognitive Science Jason John Harburger, Economics David R. Hay, International Studies Karen Genevieve Hirsch, Neuroscience Jonie Jen-Yu Hsiao, Chemistry Cindy Hsing-Liang Hsu, Biology Erika Marie Luise Hunsicker, International Studies Sung Im, Neuroscience Rebekah Ann Itzkowitz, History of Science, Medicine, and Technology Rance Jaher, Writing Seminars Eileen Jain, Spauish TeHsun Juang, Physics Sharon L. Jue, Physics Alexis Joy Kant, Psychology Jocelyn T.D. Kelly, Coguitive Science Faiz Khan, Mathematical Sciences Michelle Yum Kincaid, Keli Nicole Kolegraff, Spanish Jennifer Hong Kuo, Neuvoscience Anuradha Lala, Neuroscieuce

Richard Todd Evans, Physics

Blair Randolph Lanier, Biophysics Chung Albert Lee, Biophysics Eduardo Lee, Computer Science Nahyoung Grace Lee, Neuroscience Soohyung Lee, Physics Eric Roger Leslie, Political Science David Liska, Classics Cindy Meng-Hsin Liu, International Studies Alish C. Loh, International Studies Samuel Isaac Lovitch, History Joshua David Lustig, Mathematics and Economics Yinchong Erica Mak, Cognitive Science Meredith Lauren Make, Writing Seminars Amy Ann Mathew, Biology Rino Matsunaga, Biology Louisa Marie McClintock, Political Science Neil Jagdish Mehta, Neuroscience Megan Rebecca Mentrek, International Studies Valerie Jean Mikles, Physics Molly Elizabeth Newton, Political Science Kimberley Mavis Nies, German Priya Nori, Neuroscience Andrew Hill O'Bannon, Physics and Writing Seminars John Alexander Baldwin O'Callaghan, Chemistry Adam Pappas, Political Science Jane Shin Park, Writing Seminars Lora Rebecca Pearlman, Biology Tiffany Anne Piecewicz, International Studies Vikrant Rachakonda, Physics Dorit Yakova Radzin, International Studies Stacy Ann Redding,

International Studies and

Katie Marie Ridgway, History

Kira Robinson-Kates,

Writing Seminars

Freuch

Charlotte Haun Roh, History of Art Daniel Patrick Rohr, International Studies Ian Matthew Ross, Political Science Paban Saha, Biophysics Corentin Philip Weems Seznec, History Denise Shiu. International Studies Jeffrey Ma Shiu, Political Science Seth Brendan Short, Writing Seminars Benjamin Charles Silverman, History of Science, Medicine, and Technology Steven Mark Silverman, Chemistry Pasha Siraj, Cognitive Science Ryan Saldana Songco, Writing Seminars Sarah J. Spinner, History of Art and French Arvind Iyengar Srinath, Chemistry Mary Regina Stahley, Biophysics Walker Alan Starling, History and History of Art Jonathan Michael Strater, History Jennifer Kate Svara, International Studies Joshua David Szebenyi, Political Science Ellen Meredith Taylor, Physics Katherine Peyton Tucker, International Studies Elizabeth Caroline Tuffiash, Cognitive Science Nancy Tulathimutte, Biology and French Sarah Vanderlinde, Biology Eugene Wang, Neuroscience Jenli Dawn Waters, Mathematics Augusta Catherine Whitney, Neuroscience Ariel S. Winter, Writing Seminars Stephanie Anne Victoria Yablonski, Political Science

Brandon Patrick Yoder

International Studies

David Yu, Neuroscience

Ari Joshua Zakem,

International Studies and
Spanish

William Anthony Russo Zinn,
History of Art
Luke Christopher Zipp,
History
Mark Andrew Zipp,

Writing Seminars

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

Graduates from the Honors in Biology Degree

KiBem Kim Alex Mammen

Jordan Eric Bear,

Kathryn Patricia Carr,

Graduates from the Humanistic Studies Honor Program

B.A. in Humanistic Studies

B.A. in Humanistic Studies

Matthew James Hudock,
B.A. in Humanistic Studies
Steven Abraham Lipstein,
B.A. in Humanistic Studies
Samuel Jacob Spinner,
B.A. in Humanistic Studies
Sarah Judith Spinner,
B.A./M.A. in Humanistic
Studies
Rachel Lyn Van Kirk,
B.A. in Humanistic Studies

Baccalaureate Candidates Graduating with Departmental Honors

The G.W.C. Whiting School of Engineering

Lee Aarons,

Chemical Engineering

Dylan Adams,

Computer Science

Husseain Akhavannik,

Biomedical Engineering and

Electrical Engineering

Walter Barmak, Biomedical Engineering Prakash Baskaran, Computer Science Alan Braly, Biomedical Engineering Shannon Browne, Mechanical Engineering Christopher Brushett, Biomedical Engineering Scott Burkholder, Biomedical Engineering and Chemical Engineering Joey Chau, Biomedical Engineering Joseph Chazen, Biomedical Engineering Kenneth Chen, Biomedical Engineering Mark Choi, Biomedical Engineering Robert Davies, Mathematical Sciences Scott DeNegre, Mathematical Sciences Sohail Desai. Biomedical Engineering Ming-Chieh Ding, Biomedical Engineering Alex Donohue, Biomedical Engineering Maura Dudley, Mathematical Sciences Joshua Freedman, Computer Science Boris Gelfand, Computer Science Alan Goodman, Biomedical Engineering Lisa Guardabascio, Biomedical Engineering Kanya Hasegawa, Mathematical Sciences John Hicks, Computer Science Jesse Himmelstein, Computer Engineering Roy Hodgman, Computer Science Jason Hughes, Civil Engineering Suk-yeon Hwang, Biomedical Engineering Stuart Ibsen,

Bryan Jeun, Biomedical Engineering Tara Johnson, Biomedical Engineering Sheng-Tzu Jui, Mathematical Sciences Jeongsun Kim, Biomedical Engineering Luis Kolb, Biomedical Engineering Jeffrey Krzywon, Chemical Engineering Robert LaThanh, Computer Science Bryan Leavitt, Computer Science Dawn LaBarre Computer Science Brian Lang, Mechanical Engineering Carmen Lanio, Electrical Engineering Chang Lee, Biomedical Engineering and Mechanical Engineering Melissa Lee, Biomedical Engineering Stanton Lee, Biomedical Engineering Stephen Lee, Computer Science and Computer Engineering Emerson Lim, Biomedical Engineering Julius Sheng Lim, Electrical Engineering Clifton Lin, Biomedical Engineering Roy Lirov, Computer Science Caroline Lobo, Biomedical Engineering Peter Loeffler, Mechanical Engineering Gary Long, Biomedical Engineering Nicholas Lord, Biomedical Engineering and Computer Science Christopher Lui, Biomedical Engineering Dory Lummer, Engineering Mechanics Peter Magic, Computer Science

Biomedical Engineering

Philip Mahoney, Computer Science Samar Malek, Civil Engineering Benjamin Maritz, Computer Science Scott Martorana, Mechanical Engineering Keith Mathers, Biomedical Engineering Steven McLean, Computer Eugineering Matthew Michaelson, Computer Science Christopher Milburn, Mechanical Eugineering Scott Miserendino, Electrical Engineering and Mathematical Sciences Cyrus Moon, Biomedical Engineering Daniel Moon, Biomedical Engineering Arash Mostaghimi, Biomedical Engineering Timothy Muldoon, Biomedical Engineering Michael Overstreet, Biomedical Engineering Patricia Park, Biomedical Engineering Chirag Patel, Biomedical Engineering Toral Patel, Biomedical Engineering Zarana Patel, Biomedical Engineering Srinivas Peddi, Biomedical Engineering Nicholas Ramey, Biomedical Engineering and Computer Science Seema Sahai, Biomedical Engineering David Sampson, Engineering Mechanics Alok Sathaye, Biomedical Engineering

Andrew Schleit,

David Sessoms,

Nikesh Seth,

Computer Science and

Mathematical Sciences

Chemical Engineering

Biomedical Engineering

Azeem Sherali, Biomedical Engineering Jeffrey Spalazzi, Biomedical Engineering Wesley Smith, Electrical Engineering Max Smolens, Computer Science Jeffrey Spalazzi, Biomedical Engineering Leslie Swallow, Geography Michael Tabernero, Computer Science Rory Thomas, Mechanical Engineering and Mathematical Sciences Tina Thompson, Computer Engineering Alvin Ting, Computer Science Mohammad Yaseen, Biomedical Engineering Robert Yashinski, Computer Science Nathaniel Young,

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

Biomedical Engineering

Baccalaureate Candidates Graduating with Honors

The School of Professional Studies in Business and Education

Joseph Hopkin Bisesi Sr.
Christopher J. Blakeslee
Carla Denise Blue
Sharon Ann Cahill
Bongiovanni
Mark Steven Chaney
John L. Clark III
Robert D. Cloney
James Gray Collins
Rochelle E. Cooper
Gary Alan Corso
Dani Dalfin
Maric Araquel Daniel

Joseph Dushey David Thomas Earle Irene Louise Felicetti Tracy Fowlkes Kevin Louis Gray Eli Natan Hanono David R. Johnson Sr. Myron Ellis Johnson Derek Eron Kreitenstein Cathy Ann Kurnas Graham Anthony Lange Judy McSweeney Marielle S. Nuzback Beatrice Ocholla Nicholas Anthony Plazio Mark Anthony Polk Charnette I. Robinson Mark Dennis Shapiro Cleora W. Sharkey Robert Granville Smolek Anne L. Spivey Kristina Lee Stacey Io Ellen Stinchcomb Michael Ari Storch Linh Ai Ung Lee Douglas Ward Rosemary Nussbaum Warschawski Kimberly Annette Witmer Kathleen Bea Watts Ziolkowski

CANDIDATES FOR DEGREES

Bachelors of Science in Biomedical Engineering

The G.W.C. Whiting School of Engineering

Hussein Akhavannik Aron Baik James Howard Bankard Jr. Walter Barmak Bardia Fallah Behabadi Stuart Jason Blitz Alan Ryan Braly Christopher Douglas Brushett Dulciana Dias Chan Anita Chang Joey Chau Joseph Levi Chazen Kenneth Sungman Chen Jenny Shih-Jen Chiang Mark Choi James Sok Chong Brendon Young-Don Chung Bridget Margaret Coogan Sohail Desai Chandi Veronica DiBari Ming-Chieh Ding Alex Salk Donohue Pamela Kathleen Douglas Michelle Anne Eaton Nkiruka Anwulika Emeagwali Prema Ganesan Alan Gabriel Goodman Lisa Marie Guardabascio Jinny Suk Ha Sarah Elizabeth Criscimagna

Hemminger
Justin Louis Hormel
Eric Emil Horvath
Suk-yeon Hwang
Stuart Duncan Ibsen

Vivek Iyer
Jennifer Anne Jaeckel
Bryan Su-Hyun Jeun
Tara Lynn Johnson
Tamecia Raishaun Jones
Andy Jhuheon Jun
Timothy Sei Jin Kang
Margaret Blythe Karow

Omar Ali Khan Mounir F. Khatib Samuel Khor
Jeongsun Kim
Kun Moo Kim
Luis Enrique Kolb
Eric Mark Krauland
Christie I-Suk Kwon
Carmen Frances Lanio
Chang Y Lee

Chang Y Lee
Chong M. Lee
Melissa Harin Lee
Stanton Shing Joe Lee
Emily Marie Lehmann
Emercon Albert Lim

Emerson Albert Lim Jonathan Sabado Lim Clifton T. Lin

Thomas Te-Hsiu Lin Wen-pin Lin

Caroline Nancy Lobo

Gary M. Long Nicholas Andrew Lord

Christopher Ta-Wei Lui Aashish Rumesh Majethia

Keith Jeffrey Mathers Cyrus Rich Moon Daniel Leo Moon

Arash Mostaghimi Timothy J. Muldoon Neema Nayeb-Hashemi

Augustine D. Nguyen Jennifer Phan Nguyen Michael Glen Overstreet

Patricia Joo Young Park

Chirag Rajan Patel Toral Ramanlal Patel

Viren R. Patel

Zarana Sharad Patel Christina Peace Srinivas Peddi

Daniel Anthony Perry Gwen Gavelin Phanijphand

Daniel Alvan Plymire

Nicholas Francis Quercetti III

Nicholas Adam Ramey Monica Rivera

Paul Alan Roberts Seema Sahai Alok S. Sathaye Nikesh Dilip Seth

Mathan Kumar Shanmugham

Azeem Hanif Sherali Brian Myung Shin Ramesh Singa Eravaj Snitbhan Jeffrey Paul Spalazzi

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The G.W.C. Whiting School of Engineering

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Bachelors of Science in Mathematical Sciences

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Bachelors of Arts

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Brian Michael Towers Meredith Elizabeth Town Matthew Dean Trezza Brian David Trombino Deborah Lee Tsuchida Katherine Peyton Tucker Elizabeth Caroline Tuffiash Nancy Tulathimutte Brittany Joy Turner Ross Brent Tuttelman Elizabeth Ugochi Ucheoma Manoj Palissery Unni

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Performers Certificates

The Peabody Conservatory of Music

Victoria Helene Fabinski, Percussion Mary Lynn Freyer, Clarinet

Bachelors of Music

The Peabody Conservatory of Music

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Phyllis C. Outten, Hopkins Leadership Development Program Charles Paidas, Business of Medicine Alka S. Parandekar, Information and Telecommunication Systems Pascha Renee Peay, Investments Nidia Peralta. · Business of Medicine Bruce Perler, Business of Medicine Amber Marie Perry, Hopkins Leadership Development Program Jamie-Jo Cathleen Perry, Investments Monika Monique Pickett, Hopkins Leadership Development Program Linda Williams Pickle, Investments Michael C. Pilon, *Investments* Ruth P. Ponnuswamy, Hopkins Leadership Development Program Territa Lynn Poston, Information and Telecommunication Systems Kumar Rajesh, Investments Lee Raykovicz, Business of Medicine Derrick Patrick Reid, Investments Adrian Winfield Rich, Hopkins Leadership Development Program Emmett Rodney Roberts, Hopkins Leadership Development Program Tanya Rochell Robertson, Information and Telecommunication Systems Marlon Carlos Robinson, Hopkins Leadership Development Program Jennifer Abo Rossi, Information and Telecommunication Systems Brian Jeffrey Rudick, Investments Sina Sabet, Business of Medicine Andre' Previn Sanders, Hopkins Leadership Development Program

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Antonio Jose Tavares, Business Brian Douglas Taylor, Information and Telecommunication Systems Celia Ann Taylor, Special Education Christine Ann Taylor, Applied Behavioral Science Jennifer Leigh Taylor, Education Jennifer S. Taylor, Counseling Dori Spittel Tempio, Counseling Jonathan McKay Terrell, Information and Telecommunication Systems Dereje Befekadu Tessema, Information and Telecommunication Systems James M. Thierer, Organization Development and Human Resources Gregory Stephen Thomas Sr., Management Brodie Shaw Thomson, Information and Telecommunication Systems Sunila Ticku, Counseling Carol R. Tillson, Organization Development and Human Resources Anthony B. Tisdale, Management Inbar Tissona, Information and Telecommunication Systems Andrea Hene Torf, Applied Behavioral Science Diane MacKenzie Tracev, Counseling Alexander Trivas, Education Carol-Ann Esther Trotman. Counseling Keisha Alanda Trotter, Information and Telecommunication Systems Kristin Tucker, Information and Telecommunication Systems Virginia Kirsch Tucker, Information and Telecommunication Systems John Robert Turnbull, Information and Telecommunication Systems

Udaya S. Tantry,

Information and

Telecommunication Systems

Susan Kay Turnbull, Special Education Edna Kay Turner, Education Laxmi S. Uppin, Information and Telecommunication Systems Catherine Martin Urbanek. Special Education David Alfred Utara, Management Suketu Michael Vaidya, Information and Telecommunication Systems Leslie A. Van Brandt, Special Education Ann Marie Van Wagner, Applied Behavioral Science Andrea Betty VanPelt, Information and Telecommunication Systems Heather A. Venner, Counseling Ricardo Vera, Information and Telecommunication Systems Nophakhun Nack Vorathiankul, Information and Telecommunication Systems Anthony Lee Waddell, Real Estate Tonya Nicole Waddell, Information and Telecommunication Systems James Andrew Wagner, Marketing Kristen Claire Waller, Information and Telecommunication Systems Sheila Walter, Business Todd Richardson Walton, Education Michelle Marie Wanichko, Information and Telecommunication Systems Lee Douglas Ward, Management Mervyn Warner, Organization Development and Human Resources Mitchell Bennett Warren. Information and Telecommunication Systems Arlene Gabriella Watson, Applied Behavioral Science

Jennifer Susan Watson,

Special Education

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Susan Kathryn Willmott,

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Masters of Business Administration

The School of Professional Studies in Business and Education

Farahnaz Aghdasi-Broom Rizwan Ahmed Shabbir Siraj Ahmed Tahmina Ahmed Paul Michael Airey Khalifa Daij Al-Khalifa

Kimberli Ann Alberty Shujaat Ali Tania C. Almond Angela M. Altieri Kathy L. Altman Sharon Kelley Andres Frank G. Anstett Joseph Manning Austin Ir. Vijaya Lakshmi Ayengar Holli Colette Baker Joseph P. Balsamo Elisabeth Helene Balzer Gabor Barat Scott Henry Barr Daniel Joseph Barrett Nicholas Newell Bauman James Kent Bausell Bagrat A. Bayburtian Pulak R. Bera Aron Bergman Yechiya Berzon Kenneth Evans Bethea II Tara J. Bingley Christopher J. Blakeslee Mark Aaron Block Helen Elizabeth Blumen Susan W. Bond Tonya Renee Bonner Nikial Monique Boston Degn John Bowman Laverne Boykin Alexandra Marie Boyle Helen Elisabeth Brauch Kelly Ann Brennan Joseph E. Brienza S. Bonique Bright Troy Everette Brogden William Gregory Brouillette Kristy Lajuana Brown Mark Nathaniel Brown Yolanda Roberts Brown Richard Mark Buchter Christine Michelle Buckley Tarcisio Navarro Buriti Susan Lynn Burke Patricia Ann Burnside Dawn Elizabeth Butler Timothy Gerard Butler Doran Jak Butuche Robert Sheridan Cabell Elliott David Cahan Darla Kay Callaghan Mark Kendall Callow Patricia Lynn Caplan Zhan Garrett Caplan

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Jessica Lynn Carter Heather Elaine Castor Cewin Chao Vivian Andy Chaplick John J. Charlebois Charles Edward Chassagne Cattleya Mo-Heng Cheuk Adrienne H. Choi Jay Tsai Chou Dean Gregory Clark Paul Gordon Clark William Russell Clark Tracey Claxton Heather R. Coburn Sandra Yvette Coby Kenneth Alexander Cochrane R. J. Coleman Jr. William Thomas Collins Jr. Kevin J. Coloton Michael Patrick Condon Benjamin Charles Connors Renee Alane Cookerly Margaret C. Cooper Leslie Couchenour Jr. Kris Marie Crawford Susan P. Crossley Patrick B. Cuddy Hillary Stein Dallas Daniel Dang Dana L. Daughtry Kimberly R. Davis Timothy David Day V'Nell Alandra DeCosta Sophie Shiatis Delpierre Emily Beth Deutsch Scott Benjamin Deutschman Marilys Diaz Aryeh Azriel Dickstein Jennifer Pearre Doetsch Effie Rebecca Dolan Jesse Hernandez Dolojan Jeremy Nethermark Dott Barry A. Druschel Kathleen Ann Duignan Tamala Lynn Duncan Challie Maureen Dunn Steven Robert Dunworth Glenn Eaddy Anne Kathleen Eastlake Candace Blachanka Eastman Brian K. Ebbitt Holly Amber Elkins Carol Ann Ellis Kenneth Michael Eshenbaugh Elise Patterson Evans

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Zenobia R. Evans Lisa Marie Fager Jessica Schulman Farrar Angela Marie Ferentinos Therese Fergo Jorge Alberto Ferrer Bernard Thaddeus Ficarra Miguel Figueira Amy Lynn Fisher Tracy Lynn Fitzmorris-Kujawa Jill Stephanie Fleisher Carl Cornelius Floyd Bernadette Godwin Fowler Adam Willis Freeland Lynn Marie Freudenthal Carol Susan Frigo Beth Fabian Fritsch Ellen J. Funn Michael Shawn Gallagher Susan Anastasia Ganley Kimberly Hoffman Gannon Sonia E. Garcia Iuan Carlos Garcia Gonzalez Brian William Gasser Panteleimon Gassios William Paul Gavin Ronald Wayne Geckler Eric Paul Gelman Kelvin Lenard George Eric Kenyon Gibbs Monica Davis Giffhorn Cristina Linda Gillaspie Simone M. Gilner Corinne Kline Glattes Barbara Lynne Goldstein Suzanne Gordon Tiana T. Gordon Tracy Scott Gorsline Miriam Noble Graham Eve L. B. Greco Jessica Raizel Green Heshy Greenberg Hona Cleine Greenberg Douglas Marc Greenstein Kimberly Jennifer Gross Stefan V. Grossman Ginger Kaye Grow Stella Guillen Melanie Dee Hagan Maria Elise Hahn Eric Anthony Hale Charity Worsham Hanif Rebecca Pauline Hanst Terry Lee Harmon Harriet Carter Harrison John Mark Hart

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Mary Cathaleen Smith

Michael David Smith

Maria Elena Soler Harry Sonnenschine Donna St. Onge-Walls Sherry Verba Stautzenbach Randall Winthrop Stiles Michael J. Stiso III Samer Sameer Tahboub Florence Wee Tan Tanesha Marie Taylor Kira Christine Tewalt Sandra K. Thoman Lisa Anne Thomas Donald Herbert Thompson Jr. Belinda Marie Tilley Brian Quinn Tomasino John William Tooley John Francis Trypus Paul Edward Turer Jeffrey D. Turner Ursula Utz William Albert Valente Timothy Peter VandenBerg Perry Oneil Vanderhorst Kevin P. Varney Priya S. Vasan Tara Marie Verch Judith Ann Vessey Marcia F. Vetter Dean A. Vidal Gina Villavicencio Kevin Kenneth Wales Allen Rolf Walker Scott Louis Walker Renee M. Wallace Clifford G-Shian Wang Alfreda C. Ward Robert Douglas Warren James Edward Watkins Joan Schaaf Way Darren Douglas Weagly Mitchell Ian Weisman Matthew C. Well Martin David Weltz Brooke L. Westerlund Acquenetta Vernecia Wheeler William Francis Whelan III Rebecca A. White Gail White-Moore Micha Yaacov Wiesenberg Elke Michaela Wilhelm Gina Maria Wilson Calvin Wilson Ir. Danielle Leak Winborne Scott Eric Winfield Cheing Laron Winston

Richard Ernest Sobotka

Agnes Theresa Wojdon James Wong Sharon Barkman Wood Matice Jeanean Wright J. Daniel Yardley Daniel Patrick Young Deborah Hope Zeldow August Mason Zephir Jr. Liuyi Zhang Fei Zhong

Masters of Arts in Teaching

The School of Professional Studies in Business and Education

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Janine Marie Dauberman

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Cata Robert Jon Hoffman Mark Edward Holman Kathleen Marie Hooks Scott W. Hudnor Megan Jane Icenogle Andrew Inglis Tate Dowd Isgrig Jade Bonita Jaggers Darel Keith Jenkins Amy Elizabeth Jones Mark G. Junod Rachel Kelley Mary Dodd Kenney Alison Leslie-Hoffheins Kersten Wendy Kiang-Spray Meredith Frances Kilduff Soojung Ahn Kim Cheryl Ann King Dawn Elizabeth Kintop

Heather Nicole Kirn Julianne Gene Klausner Elissa M. Knight Kevin J. Kohler Michael Joseph Kryder Rajiv Kumar Abubakarr Lamin Todd Matthew Langager Debra Joan Lea Valerie Iean LeBlanc Christopher Gerome Leone Matthew Jude Levesque Lucinda Ann Lindoerfer Dina Sawzak Link Marcy Smith Loftus Jennie Mei Lui Patricia Gregg Madert Valerie J. Mainwaring Jessica Lynn Malerba Ryan Martin Malmgren Kristen Marie Malonev Zachary Aaron Marks Kerry Lowell Martin Victoria Mayo Carmen P. Mayorga Michael Kostyal McCabe Clara Pitre McDonald Anne Lorraine McNulty Shari L. McWain Raegan Kimberly Mead Alice-Ann Beachy Menjivar Cassandra Lilv Millette Liliana Beatriz Monk Cynthia M. Monroe-Bishop Donnaye Mychelle Moore Crystal Candace Moorefield Caitlin Maura Moriarty Theresa Louise Muldoon Paul Edward Mussman Denise Midori Nakawatase Andrew Eddy Noble Melissa Anne Oliver Kathleen Shorb Owings Rishi Pratap Oza Suzanne Nancy Paley Vedika Vinay Pande Richard Douglass Patchak Jill M. Peddycord Jeanine Marie Perry Megan Eileen Plunkett Judy Ann Potasznik Candice Sherae Powell Michelle Marie Quackenbush Gwendolyn Lee Rehling Charles Stewart Richardson Char 'Lynn Jendayi Robinson Adam David Rottman Sandra Muckenfuss Russell Carol Ann Sabet Zakiya Tiomaya Sackor Andrea Marie Sadowski Sarah Christina Sandoval Arthur Andrew Satti, III Paraskevi Savvides-Gellerson Abigail Kristan Schellhaas Sandra J. Schmidt Noelani Baring Schneider Kimberly Leigh Schreder Brandy Buddemeyer Schwartz Amanda Diane Seiler Theresa Schaffer Seits Matthew Allen Senese Jenna Chadwick Siegel Melinda Rae Sjoblom Roshan Soleimanloo Rachel Elizabeth Solomon John Stewart Stevens Keri Ann Stover Stephanie Ann Stow Joshua David Sunshine Ellen Sussna-Heyman Dennis Matthew Sutton Angela L. Tart Walter W. Taylor Anne Claire Tejtel Trisha Kaylene Thurau Omari Marcus Todd Maria Tolson Suzanne Rita Toomey Cornelia Brigitte Tutschka Jennifer Lynn Tyler Kathleen Marie Unger Leonie Jacoba van Hemert Joshua Aaron Van Kirk Sharon Hope Vires Ellen Andrea Viruleg Quinay La-Mont Waller Rebecca Jan Webb James Mark Wesley Erin Nicole Wilson Jacob Zaw Win Denise H. Winkfield Andrew Wesley Womack Jennifer Lynn Woods Laleh Zadeh Amy Lynn Zaffuto Lisa Ann Zang Michael Walter Zimmerman Catherine Shea Zorc Patricia Ann Zorzi

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Studies in Business and
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Naomi Lea Kochen, Counseling
Naomi Lea Kochen, Counseling
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Marguerite Petanella Laban,
Addictions Counseling

Mary Louise Lyon, Counseling

Counseling At-Risk Youth

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Angela Gail Morrison,
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Kathleen Sullivan, Counseling
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Certificates of Advanced Graduate Study

The School of Professional Studies in Business and Education

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Kathleen Hartnett Flynn,
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Jennifer Noel GrimstedVaughan, Counseling
Maureen Ann Hartman,
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Karen Darden Johnson,
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F. Mina Klein, Counseling
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The School of Nursing

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Jennifer Lynn Janecek Wilhelmina Charlmain Johnson Mary Lee Joyner Soo-Ok Kim Joan Alvne Krason Sandra Favretto Kuszewski Jennifer Joy Blake Lahti Catherine A. Laugesen Joanne Eun Hwa Lee Sophia Li I-Hsin Alice Moo Anny Most Kimberly Ann Neidel Kathryn Marie Noll Gwynedd Morgwyn Reece Sharon Rumber Stephanie Lynn Sanders Laura Diane Sleat Christine Nordstrom Stainton Rebecca Elizabeth Sutula Tina Bergmann Tiburzi Kuo-Chen Tsai Erin Ann Turner Holly Ann Villepique Rachel Elizabeth Woolley Melvin T. Zeiders III Sandra Maria Zweig

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The School of Nursing

Charles Edward Alexander Christine Ann Branem Johanna Mae Devera Eleni Maria Doukakis

Masters of Science in Nursing/Masters of Public Health

The School of Nursing

Kelly Marie Bower Gina D. Castelnovo Becca Dawn Henry Gina Mari Pistulka Bridget A. Roughneen Sandra Jacobs Summers

Graduate Performance Diplomas

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Masters of Music

The Peabody Conservatory of Music

Judah Erwin Adashi,

Composition
Chung-ah Ahn, Clarinet
Nicole Ameduri, Voice
Yoon Young Bae, Violiu

Troy Kyle Bast, Violin Jeremy Christian Blossey, Voice Amy Y. Bonn, Voice Thomas Edward Cheezum II, Wind Conducting Fang-I Chen, Viola Gina C. Chen, Piano Hsin-I Chen, Piano Mei-Ju Chen, Computer Music Pei-Lei Chen, Piano Yi-Tzu Chen, Piano Yun-Chi Eva Cheng, Bassoon JeeYoung Choe, Flute Hee-Seung Choi, Composition Sujung Choi, Composition Yen-Ting Chuang, Clarinet Lisa Malkanthi de Alwis, Musicology Lisa Malkanthi de Alwis, Piano Frederick Carl Dole, Double Bass Teresa Lynn Drews, Piano Michael G. Droettboom, Computer Music Research Magdalena Duhagon, Guitar/Pedagogy Matthew G. Dunlap, Guitar Christopher Dennis Dunn, Guitar Gregory T. Eden, Guitar/Pedagogy Vincent P. Fiorillo, Violoncello Brian Anthony Fleming, Guitar Christine Elaine Fong, Oboe David James Gillham, Violin Catherine Gima, Harp Kristen Elizabeth Gottleib, Wind Conducting Phillip T. Greve, Music Education Laimí Fernández Guía, Harp/Pedagogy Asher Jeffrey Haines, Trombone Hilary Kay Hart, Horn Richard Joseph Hauf, Music Education Steven Andrew Hensley, Voice Max Harold Hollander, Oboe Michele Renée Imes, Voice Amy S. Jackson, Flute Charly Denise Jackson, Bassoon Douglas Jameson, Violoncello Elizabeth M. Johnson, Violin

Scott Anthony Jones, Saxophone Janet Hui-Chuan Kao, Piano

Cheonwook Kim, Computer Music Composition Ja-Yai Kim, Composition Lois Hyunju Kim, Piano Min Jae Kim, Violin Shannon Kiser, Voice Nicholas John Leonard Klein, Theory Pedagogy Beverly Ann Kline, Voice Mark Alan Lackey, Composition Simon Lapointe, Violin Chin-Yi Lee, Piano Jae-Joon Lee, Voice Jou Won Lee, Piano Kang-Gyu Lee, Composition Ya-Ting Lee, Harp Ye Sung Lee, Computer Music Composition Yueh-ling Lee, Piano Chun Lim, Viola Hyun-Joo Lim, Piano Chia-Yu Lin, Piano Meg Earnhardt Linker, Bassoon John H. Littlejohn, Violin Mónica Lugo, Violin Justin Albano MacLean, Violin Karl William MacMillan, Computer Music/Research Stephanie Anne Marr, Flute Sujin Yi Matthews, Theory Pedagogy Mary Jessica McGee, Viola Christine Kavanagh Miller, Voice Delandria Geniece Mills, Flute Yu Kyung Julia Oh, Piano/Pedagogy Suh Young Park, Flute Thomas J. Rankin, Composition Carolyn Jean Reidy, Flute Tabitha Nan Reist, Harp Ryan de Ryke, Voice Galina Sakhnovskaya, Voice Darralyn Ann Scott, Voice Brigita Lee Sebald, Bassoon Arsenia Bea Soto, Voice Andrew James Stewart, Piano Tugce Tari, Piano Ted R. Toulouse, Bass Trombone Daphne Wang, Violin Ian Trevis Wheatley, Violin Elijah G. Wirth,

Wind Conducting

Music Education

Elijah G. Wirth,

Ya-Hsin Wu, Piano HouFei Yang, Piano Yi-Ping Yang, Viola Jung Hyun Yim, Composition Sun-Jung Youn, Trumpet Seunghyun Yun, Computer Music Composition

Masters of Arts The Peabody Conservatory of Music

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Soomi Kim,
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Adam Joseph Kivisaari,
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Songbai Lin,
Recording and Production
Stephanie Carol Renaud,
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Masters of Science

Bloomberg School of Public Health

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Investigation

Julie Kristine Di Fatta, Molecular Microbiology and Immunology

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Elizabeth Lenore Ebersole, Biostatistics

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Shayna Danelle Parenti Cunningham, *International Health*

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Neena Ajit Desai, Health Policy. Health Policy and Management

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Roshanak Didehban, Health Finance and Management. Health Policy and Management

Amy R. Dobson, Population and Family Health Sciences

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Melanie Katzman Haroun, Epidemiology

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Hamilton Jeremy Paul Johns, Health Policy. Health Policy and Management

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Amelia Maria Kasper, Environmental Health Sciences

Pauline Anne Katundu, Molecular Microbiology and Immunology

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Rachna Krishan, Reproductive Biology. Biochemistry and Molecular Biology

Soo Hyun Kwon, Reproductive Biology. Biochemistry and Molecular Biology

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Health Policy and Management Karr-Ming Lee, Health Finance and Management. Health Policy and Management

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Melat Lemma,

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Andres G. Lescano, Health Policy. Health Policy and Management

Leah Raissa Levin, International Health and Population Policy. Population and Family Health Sciences

Suxia Li, Biostatistics

Ping-I Lin, Mental Hygiene Sophia Ying-Fa Lo, Population and Family Health Sciences

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Emmanuel Mugisha, International Health

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Masters of Arts

The School of Medicine

Seth Andrew Axelrad, Neuroscience

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Ann Geralyn Canapary, Medical and Biological Illustration

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Graduate Certificates

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Certificates of Continuing Engineering Studies

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Matthew Kenneth Ahlers,
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 Urban Dweller from the
 1870s to the 1990s.
- Martin Paul Chernoff, Chemical Engineering. Thermodynamics of Anisotropic Mixtures.
- Mark Frederick Colosimo, Geography and Environmental Engineering. Physical and Biological Stream Changes in an Urbanizing Watershed, Gwynns Falls Maryland.
- Shawn Elizabeth Dalton, Geography and Environmental Engineering. The Gwynns Falls Watershed: A Case

- Study of Public and Non-Profit Sector Behavior in Natural Resource Management.
- Peter Daniel Friedman,

 Mechanical Engineering. Flow
 Structure, Droplet
 Formation and Dispersion
 When an Interface
 Separating Immiscible Fluids
 Is Impinged with a Vertical
 Negatively Bouyant Jet.
- Bernard Michel Hayek, Civil Engineering. Resource Allocation for Complex Systems in the Presence of Uncertainty.
- Patrick Jay Hudson, *Civil Engineering* . Wave-Induced Migration of Grounded Ships.
- Dexin Jia, Mechanical

 Engineering. The Mechanica
 Behavior of Nanostructured
 Materials.
- Eric Kang, Mechanical
 Engineering. Experimental
 investigation of heat transfer
 enhancement in a grooved
 channel.
- Shant Kenderian, Materials
 Science and Engineering.
 Advanced Ultrasonic
 Techniques to Determine
 the Structural Integrity of
 Rail Steel.
- Stephen Todd Kenworthy,

 Geography and Environmental

 Engineering. Experimental

 Study of Sediment

 Entrainment and Dispersal

 of Aquatic Insect Larvae.
- Andrew Keith Kercher,

 Materials Science and

 Engineering. Processing and
 Characterization of
 Monolithic Carbon
 Structures Based on Wood
 Fiberboards.
- Alvin Chong Lim,
 Mathematical Sciences.
 Transportation Network
 Design Problems: An
 MPEC Approach.

- Katrice A. Lippa, Geography and Environmental Engineering. Reactions of Chloro-s-Triazine and Chloroacetanilide Agrochemicals with Reduced Sulfur Nucleophiles.
- Joseph Andrew Main,

 Civil Engineering. Modeling
 the Vibrations of a Stay
 Cable with Attached
 Damper.
- Steven Robert Meier, Electrical and Computer Engineering. On Physical and Geometrical Properties Responsible for the Highly Absorbing Nature of Black Materials in the Infrared.
- Van Xuan Hong Nguyen,
 Chemical Engineering.
 Pattern Formation by Small
 Particles Driven by a
 Surfactant Laden
 Evaporating Drop.
- Mihaela Pertea, Computer Science. Gene Finding in Eukaryotes.
- Bryan James Pfister, Materials
 Science and Engineering. An
 in vitro Model for Uiaxial
 Stretching of Cultured
 Neural Cells; the Roles of
 Mechanical Deformation
 and BCL-2 Proteins on
 Axonal Injury.
- Jaydeep Roy, Mechanical
 Engineering. Force
 Controlled Robots: Design,
 Analysis, Control, and
 Applications.
- Gregory David Ruiters,
 Geography and Environmental
 Engineering. Commodified
 Water, Race and Social
 Justice in South Africa: A
 Study of Three Privatisation
 Experiences in PostApartheid South African
 Municipalities, 1990–2000.
- Chayanoot Sangwichien,
 Chemical Engineering.
 Analysis of Adsorption
 Behavior Using Density
 Functional Theory.

- Tina Marie Sauerwald,
 Chemical Engineering.
 Engineering Improved
 Apoptosis Inhibition in
 Mammalian Cell Culture
 using Modified Proteins and
 Multiple Inhibitors.
- David Stein, Mechanical Engineering. Design of a Spherical Stepper Motor System.
- Timothy James Strathmann,

 Geography and Environmental

 Engineering. Metal IonFacilitated Reduction of
 Oxime Carbamate
 Pesticides: Influence of
 Metal Ion Speciation.
- Li Sun, Materials Science and Engineering. Fabrication, Characterization, Manipulation and Application of Magnetic Nanostructures
- Paulos Beraki Tekie, *Civil Engineering*. Fragility
 Analysis of Concrete Gravity
 Dams.
- Harris Turk, Materials Science and Engineering. Photon Storage and Transport by Surface Acoustic Waves in III-V Quantum Wells.
- James Anthony Tzitzouris Jr.,

 Mathematical Sciences.

 Numerical Resolution of
 Frictional Multi-Rigid-Body
 Systems via Fully Implicit
 Time-Stepping and
 Nonlinear Complementarity.
- Yunfeng Wang, Mechanical
 Engineering. Applications of
 Diffusion Processes in
 Robotics, Optical
 Communications, and
 Polymer Science.
- Akiko Yamamoto, Geography and Environmental Engineering. The Governance of Water: An Institutional Approach to Water Resources Management.

- Jianhua Yao, Computer Science.
 A Statistical Bone Density
 Atlas and Deformable
 Medical Image Registration.
- Manchun Yao, Civil
 Engineering. ThreeDimensional Discrete
 Element Method Analysis
 of Cohesive Soil.
- Guangping Zheng, Materials
 Science and Engineering.
 Computational Modeling of
 Dynamic Fracture and
 Breakdown in Disordered
 Media.

Doctors of Philosophy

The Zanvyl Krieger School of Arts and Sciences

- Badarulhisam Abdul Rahman, *Biology*. Evaluation of the Enzymes in the *N*-Glycosylation Pathways of Native and Recombinant Insect Cells.
- Omer Edan Alper, Economics.
 An Analysis of Contingent
 Contracting under
 Imperfect Liability Laws:
 The Medical Malpractice
 Context.
- Alfredo José Astorga Avellán, *Economics*. Essays on the Economics of Managed-and Floating-Exchange Rate Regimes.
- Eric R. Baker, *German*.

 Atomism and the Sublime:
 On the Reception of
 Epicurus and Lucretius in
 the Aesthetics of Edmund
 Burke, Kant, and Schiller.
- Kelly Barry, *German*. The Play of Poetry: *Spiel* as Aesthetic Concept and Literary Figure.
- Susanna Barsella, Romance

 Languages and Literatures.

 Work and Creation: A

 Humanistic Concept from
 Antiquity to Boccaccio.
- Guy Ben-Porat, *Political*Science. Globalization, Peace, and Discontent: Israel and Northern Ireland.

- Courtney Christine Berger, English. Social Consciousness: Social Theory, Politics, and the Novel in Victorian England.
- Jacqueline M. Best, *Political*Science. Economies of
 Uncertainty: The Politics of
 Ambiguity in International
 Financial Governance.
- Kim Eric Bettcher, *Political*Science. Factionalism and the Adaptation of Dominant
 Parties: Japan's Liberal
 Democratic Party and Italy's
 Christain Democracy.
- Christine Jo-Anne Birchwood, Biology. Regulation of Calcineurin Signaling in Saccharomyces cerevisiae by Sphingosine-1-Phosphate and Calcipressins.
- Maria Eugenia Bonilla-Chacin, Economics. Family Structure and Time Allocation in a Development Context.
- Dirk Bönker, *History*.

 Militarizing the Western
 World: Navalism, Empire,
 and State-Building in
 Germany and the United
 States before Wolrd War I.
- Simone Carol Burger Robin, Near Eastern Studies. Late Ramesside Three Dimensional Royal Statuary From Ramesses IV through Ramesses XI.
- Eric B. Burgh, *Physics and Astronomy*. Far-ultraviolet Studies of Dust Extinction and Scattering.
- Ryan Matthew Byrne, Near Eastern Studies. Statecraft in Early Israel.
- Bryan Thomas Callahan, Ilistory. Syphilis and Civilization: A Social and Cultural History of Sexually Transuntted Disease in Colonial Zambia and Zimbabwe, 1890–1960.
- Marcello Carastro, *Classics*. La Conception de la Magie en Grèce Ancienne.

- Luis Miguel Castilla, *Economics*. Essays on Political Instability, Fiscal Institutions and Economic Outcomes.
- Joseph Michael Casto,

 Psychological and Brain
 Sciences. Development and
 Hormonal Regulation of Sex
 Differences in the Song
 System of European
 Starlings (Sturnus vulgaris).
- Timothy Lawrence Challans, *Philosophy*. Meditations on Moral Autonomy and the Military.
- Frances M. Clarke, *History*. Sentimental Bonds:
 Suffering, Sacrifice, and
 Benevolence in the Civil
 War North.
- Kenneth Russell Crawford, Chemistry. Design, Synthesis, and Preliminary Biological Evaluation of Analogs of 1α,25-Dihydroxyvitamin D₃: Modifications to Both the A-ring and C,D-ring Side Chain.
- Daniel Dreyer Denecke, English. Pressing Subjects: Social Economy and British Literary Form, 1831–1867.
- Robert Ernest Desrochers Jr., History. Every Picture Tells a Story: Slavery and Print in Eighteenth-Century New England.
- Frances Dickey, English. Other Minds: Skepticism, Pragmatism, and Dramatic Speaking in Frost, Eliot, Pound, and Bishop.
- Richardson Dilworth III, Political Science. Paving Bodies Politic: Governmental Fragmentation and Infrastructural Development in the American Metropolis.
- Yang Ding, Earth and Planetary Sciences. Transmission Electron Microscopy (TEM) Study on Bornite and Impactite.

- Christine Sorrell Dinkins, Philosophy. Socrates and his Method: A Non-Doctrinal Contextual Interpretation of Plato's Works.
- Heather Lisa Dubnick,

 Romance Languages and

 Literatures. 'Mirrors and
 Fatherhood': The Mise-enAbîme Structure in the

 Works of Jorge Luis Borges,

 Macedonio Fernández and

 Miguel de Unamuno.
- Kelly Emerson, *History*.

 Drunkenness and the
 Religious Body: Facets of
 Asceticism in the Latin West.
- Hilary Jane Englert, *English*. The Work and the Book: Locating Literary Value and Property in Eighteenthcentury Britain.
- Margaret Elizabeth Erskine, Classics. Lucan's ^De Bello Civili^ and the ^Offensio Neronis^ Revisited.
- Dori Jean Farthing, Earth and Planetary Sciences. The Mineralogy of Tin Slags.
- Ian Graham Finlay, *Philosophy*. "Truth is Militant": John Stuart Mill's Social Science and His Moral and Political Philosophy.
- Paul Fleming, German. The Dissonant Whole: Jean Paul's Polyphonic Prose.
- Thomas Alan Foster, *History*. Sex and the Eighteenth-Century Man: Anglo-American Discourses of Sex and Manliness in Massachusetts, 1690–1765.
- Jason A. Frank, *Political Science*.

 Extempore Conduct:

 Enactment and

 Representation in PostRevolutionary America.
- Anne Elizabeth Frey, English.
 Organizational
 Romanticism: National
 Institutions and Literary
 Authority 1815–1849.

- Horácio Mario Frydman, Biology. The Role of the Drosophila Follicular Epithelium in the Assembly of an Egg.
- Christopher Kenrick Gardner, *History*. Negotiating Lordship: Efforts of the Consulate of Toulouse to Retain Autonomy under Capetian Rule (ca. 1229–1315).
- Christopher Clifford Gee, Biology. Machete, a Drosophila Serine Protease That Promotes Tumor Invasion.
- Reza Arman Ghiladi, *Chemistry*. Dioxygen Reactivity of Small Molecule Synthetic Analgues for the Active Sites of Heme and Copper Containing Enzymes.
- Jin-Dong Gong, *Economics*. Essays on Technological Competition.
- Julie Marie Goodliffe, *Biology*. Machete, a *Drosophila* Serine Protease That Promotes Tumor Invasion.
- Corina E. Goulden, *Political Science*. Mystery, Politics and Political Theory.
- Patrick Francis Greaney, Humanities. The Beggar's Voice: Impoverished Writing in Nietzsche, Mallarmé, Rilke and Benjamin.
- Joseph William Gruber, *Economics*. On Habit Formation in Aggregate Consumption.
- Ruwanthi Niranjala Gunawardane, *Biology*. Biochemical and Functional Characterization of the Drosophilia Gamma-tubulin Complexes.
- Morten Steen Hansen, History of Art. The Art of Hubris; Pellegrino Tibaldi in the Papal States.

- Emma Frances Katherine Hart, *History*. Constructing a New World: Charleston, Artisans and the Transformation of the South Carolina Lowcountry, 1700–1800.
- Matthew Steven Harvey,

 Mathematics. Adams

 Operations in Orbifold

 K-theory.
- Gang He, *Physics and*Astronomy. Simulation
 Studies of the Tribological
 Behavior of Molecularly
 Thin Films.
- Daniel A.A.F.D. Hinze, *Economics*. Skills, Labor, and the Structural Dynamics of the Economy.
- Daniela Hollander, *Humanities*. Exemplarity and Chosenness: Rosenzweig and Derrida on the Nation of Philosophy.
- Kristi Jean Humphreys,

 Chemistry. Recognition and
 Oxidative Strand Scission of
 Nucleic Acids by Multinuclear Copper(II)
 Coordination Complexes.
- Elizabeth Shakman Hurd, Political Science. Self-Fulfilling Prophecies: Dogmatic Secularism and Political Islam in International Conflict.
- Frederick Dean Johnson, Biology. In vitro Analysis of RNA in Saccharomyces cerevisiae.
- Irene Kabala, *History of Art*. Medieval Decorated Refectories in France, Italy, and England until 1250.
- Amelia Kalant, *Political Science*. Boundaries, Native Belonging and Myths of Postcolonial Nationhood: Making the Canadian Crisis at Oka, 1990.
- Mara Laura Keire, *History*. Vice in American Cities, 1890–1925.

- Kerri Anne Kerr, Sociology. Easing the Transition: The Effect of School Organization on Ninth Grade Success
- Frederick E. Klaits,

 Anthropology. Housing the
 Spirit, Hearing the Voice:
 Care, Kinship, and Faith in
 Botswana during the Time
 of AIDS.
- Joanna Klink, *Humanities*. Paul Celan: The Second Person, Poetic Realism, and Ontological Hope.
- Frantisek Kuminiak, Cognitive Science. The Role of Lexical Ambiguity in the Production of Subject-Verb Agreement.
- Matthew Lauzon, *History*. The Great Chain of Communicating Beings: Hierarchies of Language and Culture in the Enlightenment. 1660–1789.
- Kelly Keisen Lee, *Biophysics*. Ionization Equilibria and Electrostatic Effects in Native and Denatured Staphylococcal Nuclease.
- Michelle Marie LeMaster, History. "Thorough-Paced Girls" and "Cowardly, Bad Men": Gender and Family in Indian-White Relations in the Colonial Southeast, 1660–1780.
- Christopher Joseph Lukasik, English. Discerning Characters: Social Distinction and the Body in American Literary and Visual Culture, 1780–1850.
- Margaret MacNamidhe, History of Art. The Dilemma of Painting in the 1824 Salon: A New Interpretation of Eugene Delacroix's Career.
- C. Griffith Mann, History of
 Art. From Creation to the
 End of Time: The Nave
 Frescoes of San
 Gimignano's Collegiata and
 the Structure of Civic
 Devotion.

- Emily Susan Manning, Sociology. Finance Capital and International Development: A Study of Portfolio Investment Dependence, 1970–1995.
- Martin Marafioti, Romance
 Languages and Literatures.
 Narrative as Prophylaxis:
 The Decameron Tradition.
- James Edward McWilliams, History. From the Ground UP: Internal Economic Development and Local Commercial Exchange in the Massachusetts Bay Region, 1630–1705.
- Sara Elizabeth Mechanic, Economics. The Efficacy of the Simulation Method for Predicting the Price Effects of Mergers: The Case of the 1986 Northwest-Republic Merger.
- James Pardee Mokhiber, History. "Native Arts" and Empire: The "Renovation" of Artisanal Production in French Colonial North Africa, 1900–1939.
- Kevin Thomas Moore, Earth and Planetary Sciences. Chemical and Structural Aspects of Phase Transformations in Pyroxenes and A1-Base Alloys.
- Christopher Thomas O'Sullivan, *Biology. In vivo* analysis of an avian retroviral suppressor.
- Jacob Nathan Ossar, *Philosophy*. Rediscovering Imperfect Duties.
- Rina Palumbo, *History*. The Boundaries of Empire: Writing, Authority, and the Feudal Imaginary in Forging the British Atlantic Community, ca. 1580–1679.
- Davide Panagia, *Political Science*.

 Images of Political Thought:
 Judgment, Opinion and
 Politics.

- Casey John Papovich, *Physics* and Astronomy. On the Nature of the Stellar Content of Galaxies in the Distant Universe.
- Derrick Jay Parkhurst,

 Psychological and Brain
 Sciences. Selective Attention
 in Natural Vision: Using
 Computational Models to
 Quantify Stimulus-Driven
 Attentional Allocation.
- Tsvetelina Pentcheva, *Biology*. MHC class I assembly and export from the ER imaged by flourescence resonance energy transfer (FRET).
- Rebecca Jo Plant, *History*. The Repeal of Mother Love:
 Momism and the Reconstruction of
 Motherhood in Philip
 Wylie's America.
- Florian Preisig, Romance
 Languages and Literatures.
 "En belle forme de livre":
 Les métamorphoses de
 l'auteur à l'aube de la
 Renaissance.
- Sara Lynn Preisig, Romance Languages and Literatures. Coherence in Miscellany: The Case of BN Fonds Français Manuscript 860.
- Patrick Provost-Smith,

 Humanities. Macao, Manila,

 Mexico and Madrid: Jesuit

 Controversies over

 Strategies for the

 Christianization of China
 (1580–1600).
- Ping Qu, *Chemistry*. Several Aspects of Dye-Sensitized Titanium Dioxide Colloidal Thin Films.
- Nicholas James Quintyne, Biology. Dynactin is Required for Multiple Aspects if Microtubule Organization.
- Timothy Allen Rainey, *History*. Buffalo Soldiers in Africa: The Liberian Frontier Force and the United States Army, 1912–1927.

- Robert Rauschenberger,

 Psychological and Brain

 Sciences. When Something
 Old Becomes Something
 New: Spatiotemporal Object
 Continuity and Attentional
 Capture.
- Eric Paul Rice, Anthropology.
 Freezing Culture in the
 Tropics; Candomble and
 Resistance in Salvador,
 Bahia.
- Fernando José Rosenberg, Romance Langnages and Literatures. Vanguardia y Geopolítica en Latinoamérica: Mario de Andrade y Roberto Arlt.
- Jill Claudia Rusin, *Philosophy*. Skepticism and Epistemic Agency.
- Paul Edward Saurette, *Political Science*. Challenging the Kantian Imperative:
 Common Sense Recognition and the Ethics of Cultivation.
- Donald Victor Scaltrito, Chemistry. Electron and Ligand Transfer Processes of Cu(I) Metal-to-Ligand Charge Transfer Excited States.
- Niamh Mary Sheridan, Economics. Inflation Dynamics.
- Brett Michael Showalter, Chemistry. The Study of Organic Reactive Intermediates Using Time-Resolved Infrared Spectroscopy and Computational Methods.
- Chadd Erik Smith, *Physics and Astronomy*. Search for Gluion Pair Production Using Like-Sign Top Dilepton Events.
- Julie Kathleen Smith, *Economics*. Essays on Core Inflation.
- Sarah Thornell South, *Biology-Human Genetics*. Peroxisome Synthesis in the Absence of Preexisting Peroxisomes.

- Elias T. Spiliotis, *Biology*. ER Quality Control of MHC Class I Assembly: Visions of Intra-membrane Chaos and Order.
- Judd Darren Stitziel, *History*. Fashioning Socialism: Clothing, Politics, and Consumer Culture in East Germany, 1953–1971.
- Karen Benay Stupski, *History of Science, Medicine, and Technology.* Waste, Wealth, and Public Health: Recycling Human Excrement in the New England and Mid-Atlantic States, 1820–1900.
- Randal Crawford Telfer,

 Physics and Astronomy. The
 Extreme Ultra-violet
 Continuum of Quasi-Stellar
 Objects and the Ionization
 of the Intergalactic Medium.
- Owen Clayton Thomas, Chemistry. Understanding the Electronic Structure of Metal Containing Clusters.
- Akinori Tomohara, Economics.
 Corporate Tax Policy and
 Intra-Firm Trade of
 Multinational Companies.
- Harald Wolf Wack, *Chemistry*. Ketenes: Reactive Intermediates in Asymmetric Catalysis.
- Joseph Daniel Walsh,

 Biophysics. Theoretical and
 Experimental Investigations
 of Flavin NMR Shieldings,
 Reducation Potential
 Tuning, and Hydrogen
 Bonding.
- Ronald Edward Walters, Political Science. Iron Triangles in a Decade of Reform: The Restructuring of the Veterans' Health Care.
- David Carrico Wood, *History*. Voting the *Millones* in Segovis: Republic, Kingdom and Conscience in Hapsburg Castile, 1590–1621.

- Hemin Yang, *Mathematics*. The Hit Problem for W(4) over F₂ by the Differential Operator Algebra.
- Viki Zavales, Romance
 Languages and Literatures.
 The Construction of
 Federico Garcia Lorca as
 Cultural Icon.
- Junfu Zhang, *Economics*. An Evolutionary Approach to Residential Segregation.
- Qing Zhang, *Physics and Astronomy*. Formation and
 Evolution of Star Clusters in
 Merging Galaxies.
- Xin Zhang, Chemistry.
 Synthetic Analogous for
 Copper Metalloenzymes:
 Effects of Ligands
 Electronic and Structural
 Variations on the
 Formation, Stability and
 Reactivity of Biomimetic
 Copper-Dioxygen Adducts.
- Zhong Zhao, *Economics*. Two Essays in Social Program Evaluation.
- Sergei Ivanovich Zhuk, *History*. Russia's Lost Reformation: Peasants and Radical Religious Sects in Southern Russia and Ukraine, 1830–1905.
- Michael J. Zieg, Earth and Planetary Science. Cooling and Crystallization of the Sudbury Igneous Complex.



Office of the Registrar

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

July 2002

For those who use the Commencement Program as an official record of the awarding of degrees, please note the following changes to the 2002 Commencement Program:

1. General Honors (Arts&Sciences) Page 25 - 26

Add:

Michael Cho

Benjamin David Herman

Joev N. Hes

Jeremy Michael Liff Susumu Miura

Jane Jihae Park Seema Sahai Gregory Chen Shih Walker Alan Starling Jennifer Kate Svara Josua David Szebenyi Brittany Joy Turner Eugene Wang

Michael Alfred Yassa Brandon P Yoder

Departmental Honors (Arts & Sciences) Page 27 - 28

Add:

Nayantara Basu-Sen

Ki Bem Kim

Judy Washington Lee Jeremy Michael Liff Alex Mammen Joanna Irene Michell Matthew O'Brien

Jeffrey Ma Shiu Matthew O'Brien, Paul Westney

Delete:

Nicholas Detsch, International Studies

Tiffany Piecewicz, International Studies

2. General Honors (Engineering) Page 26

Add:

Kenneth Sungman Chen

Mark Choi Sohail Desai

Maura Kathleen Dudley Roy Donald Hodgman Suk-yeon Hwang Vivek Iyer Sang-Ting Kao Mounir F. Khatib Luis Enrique Kolb Eric Mark Krauland

Carmen Frances Lanio

Robert Maurice Lathanh
Benjamin C Legeyt
Clifton Texas Lin
Roy Donald Lirov
Steven Scott McLean
Cyrus Rich Moon
Arash Mostaghimi
Michael Lee Parham
Patricia Joo-Young Park
Azeem Hanif Sherali
Leslie Ann Swallow

Michael Reyes Tabernero

3. Bachelors of Science in Biomedical Engineering (Engineering) Page 29

Delete:

Brian Myung Shin

Anand Viswanathan

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

Add:

Michael Reyes Tabernero

Delete:

Rifat R. Chowdhury

Julian L. Svirsky

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

Add:

Claudius Li

Delete:

Tad Richard Moskawa

Katherine Marie Royal Hyun Woo Yoon

6. Bachelors of Science in Biology (Arts and Sciences) Page 31

Delete:

Chijen Chang

David Michael Gonen Kathy Noelese Williams

7. Bachelors of Science in Physics (Arts and Sciences) Page 31

Add:

Benjamin Charles Legeyt

Delete:

Jeffrey Samuel Arkles

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

Add:

Jeffrey Samuel Arkles

Jessica Rinaldi

Armen Carapetian Martin Oliver Carrion

Sasha Yvonne Siebert Benjamin Claridge Taylor

Chijen Chang

Natasha Thomas

David Michael Gonen

Kathy Nolese Williams

Joev N. Hes

Delete:

Sinan Sadi Arkin Cornelia Sarah Georgiadis

Frederick R. Babbitt III Joseph Salvatore Guarino Jeffrey Daniel Blehar **Evan Andrew Hammitt**

Jacob Sagner Buurma Levi Hsiao

Lauren Elizabeth-Barthé Christina Eleni Huffman

Charles Susan Kim

Taylor Edgeworth Kuehn Aneeka Gull Chaudhry Gary David Chin Benjamin Charles LeGeyt William Jerome Miller
Sung Chong Nam
Michelle Anastasia Polley
Constantine Roufanis
Helen Emily Rule
Chantelle Tara Crompton

Schofield

Marshall Jeffrey Shieh

Michael Arn Spector Brian David Trombino Manoj Palissery Unni Mark Allan Verber Jeremy Don Walrath Ammanuel Yohannes Lua Kamai Yuille

9. Performers Certificate (Peabody) Page 35

Add: Rachel Elizabeth Zephir, Trumpet

10. Bachelor of Music (Peabody) Page 35

Add: Jason Harris Rosoff, Percussion

Delete: Victor de Almeida, Viola Chih Jung Hsu, Violin

Rachel Elizabeth Zephir, Music Education

11. Bachelors of Science (School of Nursing - July 2002) Page 35

Add: Danielle Marie Ranno

Name Change: Lorie Diane Tan to Lorie Diane Ridgely

12. <u>Undergraduate Certificates</u> (School of Professional Studies in Business and Education) Page 36

Add: Anthony Stramella, Information Technology Foundations

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

Delete: Cynthia Toussaint

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

Add: Rabei Abdullah Wazzeh, Investments

Delete: Juanita Bailey

Lisa Nicole Cloud Antonio Jones

15. Graduate Certificates in Education (School of Professional Studies in Business and Education) Page 39

Add: Joanna Epstein, Gifted Education, Administration Supervision

Jeanne Bertina Hudnell, Administration Supervision Deann Michelle Johnson, Administration Supervision

Delete: Deborah Denise Howard

16. Master of Science (School of Professional Studies in Business and Education) Pages 39-46

John Griffith Culbertson, Add:

Real Estate

Jamie Smoller, Special Education Omari Todd, Education

Laura Lynn McInerney,

Angela Rebecca Watkins, Education

Marketing

Andrew Womack, Education

Candace Powell, Education

Victor Arotimi Delete:

Samuel Patrick Caldwell, Jr.

Cherita Fayton Stacy Welch Galecki Kevin W. Havens Scott Russell Hopewell Lyle Thomas Jackson

Dariel James Mary E. G. McCurty James J. Railey Jia Q. Ren

Mark P. Schrader Ericci Gael Sterling Andrea Ilene Torf Ann Marie Van Wagner Michelle Wanichko

Serena Maria Watters Rvan James Whitaker

Byron Wilson

17. Masters of Business Administration (School of Professional Studies in Business and Education) Page 45 - 48

Add: **Duncan Laurence Barry**

Thomas R. Tovey

Delete: Christopher J. Blakeslee

Stella Guillen Akiva Melmed

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

Add: Steven Jeffrey Sprouse

Delete: BoLiong Amang Alison Leslie-Hoffheins Kersten

> Aisha Karimah Artis Meredith Kilduff Jerrell Wilson Baker Julianne Gene Klausner Clarise Sophia Baux Elissa M. Knight Jason Nathaniel Beall Rajiv Kumar

Sherina Lynn Bonaparte-LaTorre Abubakarr Lamin Michael John Casey Matthew Jude Levesque Sammy Conteh Dina Sawzak Link Jenita Crosby Kerry Lowell Martin Donna Marie Evans Carmen P. Mayorga Clara Pitre McDonald Mary Ellen Fitzpatrick

Shari L. McWain Lori Allison Fultz Greta Monique Goodwin Crystal Candace Moorefield

Crystie DeLynne Grapes Vedika Vinay Pande Richard Tyronne Haynes Megan Eileen Plunkett Darel Keith Jenkins Candice Sherae Powell

Char Lynn Jendayi Robinson Mary Dodd Kenney

Zakeya Tiomaya Sackor Arthur Andrew Satti, III Paraskevi Savvides-Gellerson Sandra J. Schmidt

Kimberly Leigh Schreder

Brandy Buddemeyer Schwartz Rachel Elizabeth Solomon Omari Marcus Todd Denise H. Winkfield Andrew Wesley Womack

19. Post -Master's Certificates in Education (School of Professional Studies in Business and Education) Page 49 - 50

Add: Catherine Valentin, Counseling

20. Certificates in Advaned Graduate Study (School of Professional Studies in Business and Education) Page 50

Delete: F. Mina Klein

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

Add: Julia Lombard Venuti

Delete: Nancy Louise Brownlow

Holly Ann Villepique

22. Graduate Performance Diploma (Peabody) Page 50

Add: Jennifer Anschel, Viola

Lesley Yi Chen, Violin Marvin Mills, Organ

Delete: Oscar Bustillo, Conducting

Stephen Brock Fanning, Guitar Brian Theodore Sacawa, Saxaphone

23. Masters of Music (Peabody) Page 50

Add: Ye Sook Lee Suh, Computer Music

Delete: Thomas Edward Cheezum II, Wind Conducting

Lisa Malkanthi de Alwis, Musicology Christopher Dennis Dunn, Guitar Steven Andrew Hensley, Voice

Nicholas John Leonard Klein, Theory Pedagogy

Chrisitne Kavanagh Miller, Voice

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

Delete: Rozalin Davoodnia Kyahn Reza Kamali

Jennifer Lynn Greenlaw Christopher Baxter Pierce

25. Masters of Public Health (Public Health) Page 53 - 54

Delete: Adenrele Bamidele Fabayo

Note: Geetanjali Chandler, Chandler should be Chander (Page 53)

Catherine Chanfreau de Roquefevil, Roquefevil should be Roquefeuil

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

Add: Eleanor Bedford

Delete: Oscar O. Brooks

Renda Giuseppe

Ahmed Mohamed Magan Victoria V. Zaretskaya

27. Masters of Arts in International Affairs (School of Advanced International Studies) Page 54

Delete: Francisco Xavier Pablo da Silva Torres

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

Add: Riva Eskinazi

Dominik Treeck

Bradley David Williams

Delete: Deepali Agrawal Tuyen Nguyen

Caitlin Deval Bogie Benjamin Z. Orbach

Jennifer W. Braswell Jaewoo Park Keith T. Cappellini Patrick Porter Michael A. Finucane Kentaro Relnick Maureen Jude Flood Cerece L. Rennie Cynthia S. Gears Rachel Rochat **Emily Sophie Horgan** Sanjay Srikantiah Angian Huang Anna Newbold Stein Lauren A. Kelly Patrick Stephenson Mohsin Raza Khan Brienne C. Stith

Sibel Kulaksiz . Carl George Von Fuchs
John Louis Marshall John M. Wiatt, III

Toral R. Mehta Maria Verónica Yépez Gabela Sumiko Chrisitina Morino Saba Workagene Zeleke

Yuko Nakano

29. Masters of Civil Engineering (Engineering) Page 56

Delete: Robert Carl Patev

30. Masters of Environmental Engineering (Engineering) Page 56

Add: Collette Ann Broussard

31. Masters of Science (Engineering) Pages 56 - 61

Add: Uri V. Bogdano

Delete: David Scott Alexander, Electrical and Computer Engineering

Timothy Andryszak, Systems Engineering

Domenic Jason Antinucci, Information Systems and Technology

John Robert Argilan, Systems Engineering William Barry Aucoin, Systems Engineering Yvette Ramos Banks, Systems Engineering

Mark David Bittenbender, Systems Engineering

Robert B.J. Boakai, Systems Engineering

Collette Ann Broussard, Environmental Engineering

Yuk Chan, Computer Science

Bernard Francis Dittman, Systems Engineering

Allen Jerome Driver, Systems Engineering

John Allen Freeman, Systems Engineering

Brian Charles Hall, Systems Engineering

Yong Chan Ham, Applied Biomedical Engineering

Tina Marie Higgins, Computer Science

Jill Marie Holz, Applied Physics

Ted Hui Chuan Hsieh, Information Systems and Technology

Ravish Kadekar Kumar, Computer Sceince

J. Marcel LeBlanc, Systems Engineering

William Davis Lee, Applied Physics

Kelvin Preston Medlock, Systems Engineering

Iverson Stephen Melvin, Systems Engineering

James Kevin Needles, Computer Science

Matthew C. Paradise, Systems Engineering

Patrick Robert Perusse, Systems Engineering

David John Prestel, Systems Engineering

Lorenzo Gogue Quichocho, Systems Engineering

Carl Vincent Ryba, Technical Management

Yasir Saleem, Computer Science

Christine Shannon Smith, Environmental Engineering

Richard Lynn Snyder, Systems Engineering

Thomas John Strei, Jr., Systems Engineering

Jinmei Tian, Computer Science

Matthew Rohe Young, Systems Engineering

32. Post Master's Advanced Certificates (Engineering) Page 61

Delete: Paul Louis Schapiro, Information Systems and Technology

33. Masters of Science in Engineering (Engineering) Pages 61 - 62

Delete: Michael Kent Grant, Computer Science

Sang Wook Hong, Computer Science Arun Arasa Kumar, Computer Science Xianfang Liu, Computer Science Shaoing Xiao, Computer Science Heng Zhang, Computer Science

34. Masters of Arts (Arts and Sciences) Page 62 -64

Add: Brandon John Cord, Neuroscience

Hyun Shen, Chemistry

Delete: Jeffrey Samuel Arkles, Biophysics

Catherine Patricia Batza, History Yaa Aboagyewa Kumah, Biophysics

Onora Tayati Lien, Sociology

Yingyi Ma, Sociology

Patrick Provost-Smith, History

Scott James Rufolo, Near Eastern Studies

35. Masters of Science in Biotechnology (Arts and Sciences) Page 64

Add: Amy M. Mitchell

Delete: Rehannah Holga

Andrea Borup

36. Masters of Science in Developmental Psychology (Arts and Sciences) Page 64

Delete: Martha Ellen Martin

37. Master of Arts in Government (Arts and Sciences) Page 65.

Add: Shannon Freshour Samuel Wilson

Joseph B. Smith

Delete: Barbara Ann Allen William Henry Garcia Frederick Bielke Tara Dawn Wade

Jeffrey Allan Danchenko Jerald Henry Walz

Barbara Floyd Clint Edward Williamson

38. Masters of Liberal Arts (Arts and Sciences) Page 64

Add: Jeffrey B. Alhadeff

Delete: Laura Leigh Sroka Robert Allan Steinberg

39. Doctors of Musical Arts (Peabody) Page 66

Add: Shirley Hsiao-Ni Pan, Piano

Delete: George Andrew Sprengelmeyer, Guitar

40. Doctors of Philosophy (Engineering) Page 72

Add: Bruno Figueroa, Chemical Engineering

Jennifer Ricklin, Electrical and Computer Engineering

Jonathan Robert Stanton, Computer Science





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