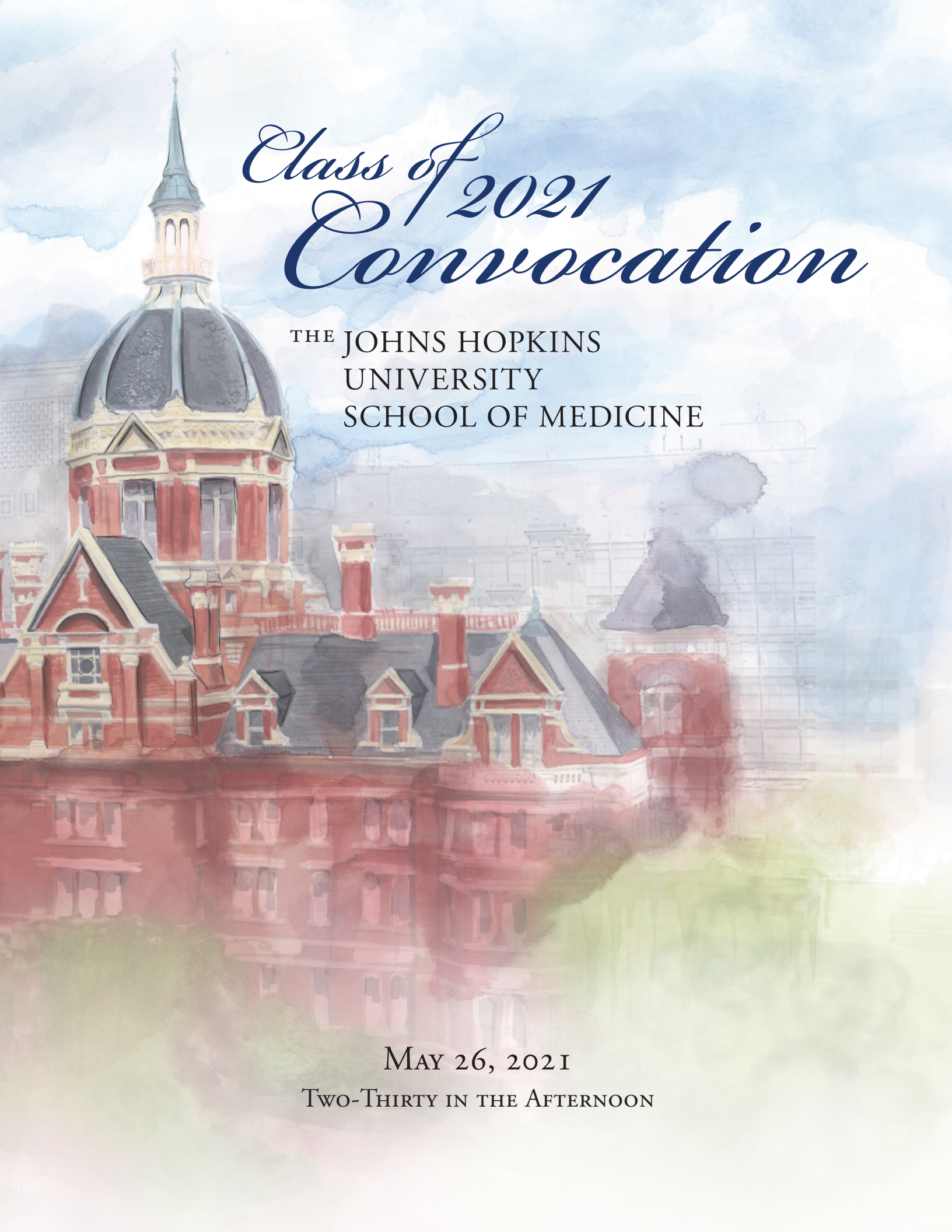

Class of 2021 Convocation

THE JOHNS HOPKINS
UNIVERSITY
SCHOOL OF MEDICINE

May 26, 2021

Two-Thirty in the Afternoon

Class of 2021 Convocation

THE JOHNS HOPKINS
UNIVERSITY
SCHOOL OF MEDICINE

May 26, 2021

Two-Thirty in the Afternoon

Order of Events

WELCOME

Paul B. Rothman, The Frances Watt Baker, M.D. and Lenox D. Baker, Jr., M.D. Dean of the Medical Faculty and Chief Executive Officer, Johns Hopkins Medicine

GREETINGS

Awa Sanneh, M.D. and 2020 Johns Hopkins University School of Medicine Alumna

COMMENTS

Thomas W. Koenig, Associate Dean for Medical Student Affairs
Neel Koyawala, Medical Student
Peter J. Espenshade, Associate Dean for Graduate Biomedical Education
Monika Marie Looney, Graduate Student

ADDRESS

Kenneth Frazier, J.D.
Chairman, President, and CEO of Merck & Company

ANNOUNCEMENT OF AWARDS

Thomas W. Koenig, Associate Dean for Medical Student Affairs

Paul B. Rothman, The Frances Watt Baker, M.D. and Lenox D. Baker, Jr., M.D. Dean of the Medical Faculty and Chief Executive Officer, Johns Hopkins Medicine

Kevin W. Sowers, President, Johns Hopkins Health System and Executive Vice President, Johns Hopkins Medicine

ANNOUNCEMENT OF TEACHING AWARDS AND SPECIAL AWARDS

Paul B. Rothman, The Frances Watt Baker, M.D. and Lenox D. Baker, Jr., M.D. Dean of the Medical Faculty and Chief Executive Officer, Johns Hopkins Medicine

PRESENTATION OF MASTERS AND DOCTOR OF PHILOSOPHY DIPLOMAS

Paul B. Rothman, The Frances Watt Baker, M.D. and Lenox D. Baker, Jr., M.D. Dean of the Medical Faculty and Chief Executive Officer, Johns Hopkins Medicine

Roy C. Ziegelstein, Sarah Miller Coulson and Frank L. Coulson, Jr. Professor of Medicine and the Mary Wallace Stanton Professor of Education, Vice Dean for Education

Peter J. Espenshade, Associate Dean for Graduate Biomedical Education

Order of Events

THE GRADUATE STUDENT OATH

Administered by

David A. Rini, Professor of Art as Applied to Medicine

PRESENTATION OF DOCTOR OF MEDICINE DIPLOMAS

Paul B. Rothman, The Frances Watt Baker, M.D. and Lenox D. Baker, Jr., M.D. Dean of the Medical Faculty and Chief Executive Officer, Johns Hopkins Medicine

Roy C. Ziegelstein, Sarah Miller Coulson and Frank L. Coulson, Jr. Professor of Medicine and the Mary Wallace Stanton Professor of Education, Vice Dean for Education

Thomas W. Koenig, Associate Dean for Medical Student Affairs

THE OATH OF HIPPOCRATES

Administered by

Colleen Christmas, Associate Professor of Medicine

CLOSING

Roy C. Ziegelstein, Sarah Miller Coulson and Frank L. Coulson, Jr. Professor of Medicine and the Mary Wallace Stanton Professor of Education, Vice Dean for Education

Student Awards

THE DAVID TUCKCHOW YUE AWARD

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

Awarded to

Joseph Yusup Shin 2019-2020
Shannon Wongvibulsin 2020-2021

THE SOL GOLDMAN AWARD

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

Awarded to

Priyal Gandhi

THE PAUL EHRLICH RESEARCH AWARDS

The Paul Ehrlich Awards were established to honor Dr. Paul Ehrlich with funding originally granted by Dr. Emanuel Libman. The awards, which recognize student research contributions, are presented each year at Young Investigators' Day.

Awarded to

Sakibul Huq 2018-2019
Helen Xun 2020-2021

THE HARRY C. SALTZSTEIN PRIZE FOR MEDICAL WRITING

This prize was established in 1990 by the family of Dr. Saltzstein, a 1914 graduate of the Johns Hopkins University School of Medicine, to recognize his life long interest in medical writing. The award is given to that student who has exhibited excellence in medical writing as judged by a faculty committee.

Awarded to

Nanki Hura 2020-2021

THE MICHAEL A. SHANOFF RESEARCH AWARD

The award is made annually to a student for significant research contribution in the medical sciences. The award is made possible by a bequest from the family and friends of the late Dr. Michael A. Shanoff, who earned his undergraduate degree and M.D. and Ph.D. degrees from the Johns Hopkins University.

Awarded to

Chris Moonho Cho 2017-2018
James Meixiong 2019-2020

THE DAVID ISRAEL MACHT RESEARCH AWARD

The David Israel Macht Research Award was established in 1983 by the family of Dr. Macht to commemorate the centenary of his birth. Dr. Macht was a member of the faculty of the Departments of Pharmacology and Medicine in the early part of this century and was a pioneer investigator in the field of opiate alkaloids. The Award is intended to recognize excellence in investigation by a student in the School of Medicine.

Awarded to

Bilal Abdul Bari 2018- 2019

Student Awards

THE MARTIN AND CAROL MACHT RESEARCH AWARD

The Martin and Carol Macht Research Award is awarded to a doctoral candidate whose research evidences elegance in science, originality in thought and creativity in approach. The Award was made possible by a donation from the Macht family of Cincinnati, Ohio.

Awarded to

Helen Rose Clark 2019-2020
James Osei-Owusu 2020-2021

THE NUPUR DINESH THEKDI RESEARCH AWARD

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

Awarded to

Callie Brooke Shubin 2020-2021

THE BAE GYO JUNG AWARD

The Bae Gyo Jung Research Award was established in 2006 by friends and family in memory of Bae Gyo Jung, who was a predoctoral student in the department of Biological Chemistry.

Awarded to

Xiaoguang Li 2018-2019
Chen Zhao 2020-2021

THE HAROLD LAMPORT BIOMEDICAL RESEARCH PRIZE

The memory of Dr. Harold Lamport, a distinguished investigator, is honored by this prize established by the Lamport Foundation.
The prize recognizes research contributions.

Awarded to

Katharine Tyler Clark 2018-2019

THE EXCELLENCE IN MEDICAL STUDENT RESEARCH AWARD

This award is given annually to students whose efforts in basic biomedical, clinical, or public health research is noteworthy and found deserving of special recognition.

Awarded to

Amira Olivia Collison 2018-2019
Barbara Ann Dietrick 2018-2019
Zane Pullman Frazer 2018-2019
Eilrayna Gelyana 2018-2019
Nanki Hura 2018-2019
Neel Koyawala 2018-2019
Thuy Nam 2018-2019
Aarti Purohit 2018-2019
Ingharan James Siddarthan 2018-2019
Julia Jane Wainger 2017-2018
Leah Jo Weston 2017-2018

THE HARVEY CUSHING MEDICAL STUDENT HUNTERIAN RESEARCH AWARD

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

Awarded to

Jeffrey Scott Ehresman
Sakibul Huq
Ravi Teja Medikonda
Zachary Arthur Pennington

Student Awards

SYLVAN SHANE PRIZE IN ANESTHESIOLOGY AND CRITICAL CARE MEDICINE

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

Awarded to

Megan Frances Hunt

WILLIAM H. WELCH AWARD

The William H. Welch Award recognizes outstanding achievement in Pathology by a medical student.

Awarded to

Katherine Marie Fomchenko

THE HASKINS K. KASHIMA, M.D. PRIZE IN OTOLARYNGOLOGY-HEAD AND NECK SURGERY

This prize, which honors Dr. Haskins K. Kashima, a former Professor in the Department of Otolaryngology-Head and Neck Surgery, recognizes an outstanding medical student who has chosen a career in Otolaryngology-Head and Neck Surgery.

Awarded to

Smirnov Denis Exilus

THE W. BRUCE FYE PRIZE IN THE HISTORY OF MEDICINE

The prize is made possible by the generosity of W. Bruce Fye (Johns Hopkins BA '68, MD '72, MA in History of Medicine, '78), a prominent cardiologist and historian of medicine who is the past president of both the American College of Cardiology, the American Osler Society, and the American Association for the History of Medicine, and who served as Professor of Medicine and History of Medicine at the Mayo Clinic. In a long and wide-ranging career as a clinician-historian, Fye's books and articles have consistently demonstrated the relevance of historical thinking to medical research, training, practice, and policy. He established this prize in 2018 to encourage Johns Hopkins medical students to gain experience in historical research and writing and to appreciate how the history of medicine provides valuable perspective on current and future challenges and opportunities in medical practice, education, and research.

Awarded to

Grace Ma

THE FRANK H. NETTER, M.D. MEMORIAL SCHOLARSHIP IN MEDICAL ART

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

Awarded to

Emily Cheng
Emily Chen Wu

Student Awards

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:

Nicholas Stephen Andrade 2019-2020

PHI BETA KAPPA
Honor Society

In recognition of excellent academic performance during their studies in the School of Medicine the following students have been elected to Phi Beta Kappa:

Kristen Alexandra Prufrock

WARFIELD T. LONGCOPE PRIZE IN CLINICAL MEDICINE

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

Awarded to
Monica Valerie Meeks

HELEN AND HAROLD HARRISON AWARD

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

Awarded to
Barbara Ann Dietrick

WILLIAM STEWART HALSTED AWARD IN SURGERY

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

Awarded to
Sophia Diaz

EMILY SIMMS HALLER PRIZE

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

Awarded to
Omar Najjar

SOCIETY FOR ACADEMIC EMERGENCY MEDICINE AWARD

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

Awarded to
Gideon Sperling Loevinsohn

Student Awards

AMERICAN ACADEMY OF NEUROLOGY PRIZE FOR EXCELLENCE IN NEUROLOGY

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

Awarded to

Eilrayna Gelyana

THE NOVEY PRIZE IN PSYCHOLOGICAL MEDICINE

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

Awarded to

Adam Alexander D'Sa

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

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

Awarded to

Chris Moonho Cho

DAVID E. ROGERS AWARD

This award was established by the Johns Hopkins Health System, in honor of David E. Rogers, Dean of the School of Medicine from 1968-1971. The award is presented annually to two students who have exemplified the highest standards of professionalism, medical ethics, and community leadership.

Awarded to

Monika Marie Looney

Blossom Abrehet Zerabruck Tewelde

Teaching Awards

GEORGE J. STUART AWARD

The Stuart Award was established in 1969 following the bequest of a grateful patient, George J. Stuart of Washington, D.C. Dr. Stuart stipulated that the income from his bequest be presented to an outstanding clinical teacher in the School of Medicine. The selection is made by the senior students.

Awarded to
Juliana Joan Jung
Department of Emergency Medicine

W. BARRY WOOD, JR. AWARD

The W. Barry Wood, Jr. Award for Excellence in Teaching is awarded annually to the teachers voted by the students in the preclinical years to have been most inspirational and/or effective.

Awarded to
Marc Kenneth Halushka
Department of Pathology

HOUSE STAFF AWARD

The House Staff Teaching Award, established by the Johns Hopkins Medical Student Senate, is awarded annually for excellence in clinical teaching by a member of the house staff. Its purpose is to recognize an individual's contributions, but also to emphasize the importance that the students attach to the concept of house officers as teachers.

Awarded to
Katie Jean O'Conor
Department of Emergency Medicine and Anesthesiology

GRADUATE STUDENT TEACHING AWARD

The Graduate Student Teaching Award, established in 1986 by the Graduate Student Association, recognizes excellence in teaching and mentoring at the graduate level in the biomedical sciences.

Awarded to
David A. Rini
Department of Art as Applied to Medicine

THE JOHNS HOPKINS UNIVERSITY ALUMNI ASSOCIATION EXCELLENCE IN TEACHING AWARD

This award, established in 1992 by the Johns Hopkins University Alumni Association, recognizes the critical importance of teaching at Johns Hopkins.

Awarded to
Amit Kumar Pahwa
Department of Medicine

PROFESSORS' AWARD FOR EXCELLENCE IN TEACHING

The Professors' Award for Excellence in Teaching was established in 1981 by the Advisory Board of the Medical Faculty and is intended to honor each year members of the faculty whose teaching is judged to have had a profound effect on students in the School of Medicine.

Awarded to
Erika L. Matunis
Department of Cell Biology
for teaching in the biomedical sciences

Colleen Christmas
Department of Medicine
for teaching in the clinical sciences

Carol M. Ziminski
Department of Medicine
for teaching by a part time faculty member

Teaching Awards

MARTIN D. ABELOFF AWARD FOR LIFETIME ACHIEVEMENT IN MEDICAL AND BIOMEDICAL EDUCATION

The Martin D. Abeloff Award for Lifetime Achievement in Medical and Biomedical Education, the highest of the Institute for Excellence in Education's honors, is named for Dr. Martin D. Abeloff, whose long and illustrious career at Johns Hopkins left an indelible mark. Dr. Abeloff was at Hopkins beginning in 1966, and served as Director of the Sidney Kimmel Comprehensive Cancer Center from 1992 until his passing in 2007. He was a visionary leader, a superb physician and a world class scholar, in addition to being a much respected colleague and mentor. His educational leadership on the Committee on Educational Values and Rewards led to the formation of the IEE.

Awarded to
John G. Bartlett
Department of Medicine

THE LISA J. HEISER AWARD FOR JUNIOR FACULTY CONTRIBUTION IN EDUCATION

The Lisa J. Heiser Award for Junior Faculty Contribution in Education is named in honor of Lisa J. Heiser, M.A., Assistant Dean for Faculty Development and Equity, Johns Hopkins Medicine, 2006-2011. Lisa was the embodiment of what makes Johns Hopkins Medicine special; smart and multitalented, combining fierce tenacity and commitment with tremendous personal warmth, friendliness and collegiality. The Heiser award is given to a junior faculty member, in her/his career 5 years or less on faculty, who has made an outstanding contribution in medical/biomedical education, and shows great promise for future meaningful contributions to medical and biomedical education.

Awarded to
Paul David O'Rourke, Jr.
Department of Medicine

IEE TEACHING AWARDS

The Teaching Awards are intended to recognize outstanding achievement in teaching. Three awards are given: one for those on faculty less than 10 years, one for those on faculty 10 or more years, and one specifically for part-time faculty.

Awarded to
Fasika Ambachew Woreta
Department of Ophthalmology
on faculty less than 10 years

Charles F.S. Locke
Department of Medicine
on faculty part-time

IEE LEADERSHIP AND MENTORING AWARD

The Leadership and Mentoring Award is intended to recognize outstanding achievement in mentoring. The recipient is selected based on the training experiences and success of the nominee's mentees. Mentoring is defined as the process of guiding, supporting, and promoting the training and career development of others. Mentors may contribute in many areas, including, but not limited to intellectual growth and development, career development, professional guidance and advocacy.

Awarded to
Eric B. Bass
Department of Medicine

IEE EDUCATIONAL SCHOLARSHIP AWARD

The Educational Scholarship Award is designed for the faculty member who has a body of educational scholarship work. We define scholarship broadly and include not only publications, but also workshops, other dissemination and contributions to other institutions.

Awarded to
Rachel Marie E. Salas
Department of Neurology

Teaching Awards

IEE EDUCATIONAL INNOVATION AWARD

The Educational Innovation Award recognizes an individual or, in rare cases, a two-person team, for having developed a resource that directly improves medical or biomedical education. This award is meant to encourage faculty members to creatively apply their talents to improve the academic needs of learners on a national scale.

Awarded to

Paul Gisbert Auwaerter
Department of Medicine

Christopher J. Hoffmann
Department of Medicine

IEE EDUCATIONAL PROGRAM AWARD

The Educational Program Award is intended to recognize a noteworthy medical or biomedical team responsible for a teaching program which has been implemented for five years or less. Programs are judged on their impact on learners, including learner satisfaction, educational outcomes attained, and scholarship and recognition.

Awarded to

The Center for Health Humanities at Hopkins
Emergency Medicine

Masters of Arts

with title of essay

Emily Cheng; B.S., University of California (Los Angeles), 2015; Medical and Biological Illustration. *Visualizing Glaucoma: Accurately Characterizing and Depicting Visual Loss Via Virtual Reality*.

Laura Marie Ekl; B.A., Iowa State University, 2015; Medical and Biological Illustration. *Mapping the Tumor Vasculome: A Novel Interactive 3D Visualization of Computationally Derived Tumor Hemodynamics.*

Sora Cecilia Ji; B.S., University of Wisconsin (Madison), 2015; Medical and Biological Illustration. *The Most Difficult Teachable Moment: Autopsy Consenting.*

Nuno Miguel Oliveira; B.S., University of Lisbon, 2005; Ph.D., University of Oxford, 2015; History of Medicine. *The Forgotten Origins of Antimicrobial Resistance.***

Francesca Schiaffino Salazar; D.V.M., Cayetano Heredia Peruvian University, 2014; History of Medicine. *Snakebites in the Global Health Agenda of the Twenty-First Century: A South-to-South Collaborative Effort.*

Emily Ann Slapin Lufkin; B.F.A., Rhode Island School of Design, 2006; Medical and Biological Illustration. *Reimagining Delivery of Midlife Women's Healthcare*.

Emily Chen Wu; A.B., Washington University in St. Louis, 2016; Medical and Biological Illustration. *Teaching MRI Physics: Creating Media with a Focus on the Radiology Core Exam*.

Susie Eunhong Yun; B.S., University of Western Ontario, 2017; Medical and Biological Illustration. *Educating Patients: Communicating the Gut-Brain Connection in Parkinson's Disease Using Multimedia*.

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** = Degree Conferred 8/28/2020 ** = Degree Conferred 12/31/2020*

Masters of Science

with title of essay/capstone

Khin Sandar Aung; B.S., California State University (Long Beach), 2007; M.P.S., University of Maryland (College Park), 2018; Applied Health Sciences Informatics. *Knowledge Needs of Clinicians in a Telemedicine Environment.***

Zachary George Baker; B.S., George Mason University, 2018; Biomedical Engineering. *CVR-MRICloud: An Automated Online Tool for the Processing of Cerebrovascular Reactivity (CVR) MRI Data.***

Brianna Kimberly Barry; B.S., University of Texas (Austin), 2017; Biochemistry, Cellular and Molecular Biology Training Program-Neuroscience.

George Adrian Benavente; B.S., New Jersey Institute of Technology, 2014; Applied Health Sciences Informatics. *Cohort Analysis for Hot Spotting Programs*.**

Katie Ann Conlon; B.A., University of California (Berkeley), 2014; Biochemistry, Cellular and Molecular Biology Training Program-Cell Biology.**

Jessica Mary Golio; B.S., Bay Path University, 2017; Applied Health Sciences Informatics. *Creation of a Google IT Certification Coursera Course with a Focus on Healthcare Information Technology*.

Shefali Gupta; B.A., University of Maryland (College Park), 2005; B.S., 2005; Applied Health Sciences Informatics. *Risk Mitigation for Identifiable Genomic Data*.**

Estefany Rios Guzman; B.S., Loyola University of Chicago, 2018; Biochemistry, Cellular and Molecular Biology Training Program-Physiology.**

Grace Jull; B.A., Dalhousie University, 1991; M.A., University of Toronto, 1997; Anatomy Education.*

Thomas Kingsley; B.S., State University of New York (Stony Brook), 2008; M.D., University of Massachusetts Medical School (Worcester), 2014; MIPH, Harvard University School of Public Health, 2016; Applied Health Sciences Informatics. *Inpatient Census Predictive Analytics and Resource Optimization*.**

Dallas Paul Kokoska; B.S., West Virginia University, 2017; Anatomy Education.*

Julia Kung; B.S., Taipei Medical University, 2017; Health Sciences Informatics. *Characterization of the Heterogeneous Prognostic Value of Various Mutational Burden Estimates Across the Tumors in the TCGA Cohort*.**

Chenyu Li; B.B.A., Beijing University of Posts and Telecommunications, 2018; Health Sciences Informatics. *Analytic Methods Used in Real World Data Based Biomedical Research - A Scoping Review*.**

Hong Shen Lim; M.B.B.S., National University of Singapore, 2014; Applied Health Sciences Informatics. *A Review of Existing Literature on Telemedicine*.

Bhagyashree Maity; B.S.N., University of San Francisco, 2015; Applied Health Sciences Informatics. *Transitioning from In-Person to Virtual Human Factors Testing: Implementation Guide for a mHealth Company*.**

Aracely Martinez; B.S., California State University, 2019; Anatomy Education.*

Francisco Javier Martinez-Wittinghan; B.Med., Colegio Mayor de Nuestro Senora del Rosario Facultad de Medicina, 1995; M.S., State University of New York (Stony Brook), 2002; Ph.D., 2002; Applied Health Sciences Informatics. *Increasing Collaborative Data Analysis Between Healthcare and IT Professionals with Clinical Correlations in Database Query and Precision Medicine Data Analysis*.

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Masters of Science

with title of essay/capstone

Paul Murdock; B.S., University of Cincinnati, 2019; Applied Health Sciences Informatics. *The Johns Hopkins CROWN Clinical Registry and COVID-19: Informatics Solution, Data Analysis Insights, and Methodological Implications*.**

Kristen Lois Nicholes; B.S., Brigham Young University, 2013; Pathobiology.

Kristina M. Russell; B.S., University of Pittsburgh, 2005; Certificate, Johns Hopkins University School of Medicine, 2012; Applied Health Sciences Informatics. *Frameworks for Clinical Alert System Consolidation*.*

Dasola Abiola Salami; B.Tech., Ladoke Akintola University of Technology, 1997; M.B.A., 2007; Applied Health Sciences Informatics. *Improving Workflow Process Efficiency in Cutaneous Nerve Laboratory Information System (CNLIS)*.**

Leigh Smith; B.S., Colorado State University, 2017; Applied Health Sciences Informatics. *Evaluating NLP Model for Opioid Involvement and Overdose*.**

Steven Loyd Stallings; B.S., Berry College, 1982; D.M.D., Medical College of Georgia School of Dentistry, 1986; M.H.S., George Washington University, 2009; Applied Health Sciences Informatics. *Meta-Narrative Review for a Teledentistry Project for Navy Dentistry*.**

Scott Charles Sterrett; B.S., Johns Hopkins University, 2017; Biomedical Engineering.**

Sujith Kumar Surendran Nair Latha; B.Tech., University of Kerala, 2006; Applied Health Sciences Informatics. *Integrating Radiology and Pathology Results for Improved Patient Care*.**

Xuechun Zhang; B.S., Xiamen University, 2018; Cellular and Molecular Physiology.

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Doctors of Philosophy

with title of dissertation

Michelle Grace Tamayo Acoba; B.S., University of the Philippines, 2011; Cellular and Molecular Physiology. *Investigating the Roles of Mitochondrial Carriers in Bioenergetics and Cell Metabolism*.

Laura Kathleen Aisenberg; B.S., University of Wisconsin (Madison), 2013; Molecular Biology and Genetics-Program in Immunology. *Innate Viral Sensing in a Secondary Dengue Virus Infection*.

Miriam Akeju; B.A., Columbia University in the City of New York, 2012; Biochemistry, Cellular and Molecular Biology Training Program-Cell Biology. *Novel Transcriptional Profiling of Cells in the Drosophila Testis*.**

Deepthi Ashok; B.S., Bangalore University, 2007; MRes, Newcastle University, 2008; Cellular and Molecular Medicine. *Role of Mitochondrial Calcium Uniporter in Mitochondrial Membrane Potential Instability in Ischemia-Reperfusion Injury*.*

Bilal Abdul Bari; B.S., Georgia Institute of Technology, 2011; Neuroscience. *Medial Prefrontal Cortex Persistently Encodes Decision Variables for Flexible Decision Making*.

Alice Berners-Lee; B.S., New York University, 2013; Neuroscience. *Non-Local Sequences in the Brain*.**

Lynn Noel Bertagnolli; B.S., Arizona State University, 2015; Pharmacology and Molecular Sciences. *The Role of Neutralizing Antibodies in Preventing Viral Rebound from the HIV-1 Latent Reservoir: Implications for a Cure*.**

Catherine Ami Bessell; B.S., University of Maryland (College Park), 2012; Molecular Biology and Genetics-Program in Immunology. *The Analysis of the CD8+ T Cell Anti-Tumor Responses*.**

Mary Emma Gorham Bigelow; B.S., Cornell University, 2011; Cellular and Molecular Medicine. *Using Machine Learning and Computational Methods to Elucidate Therapeutic Response in Immuno-Oncology Clinical Trials*.

Leandros Boukas; M.D., University of Patras, 2015; Human Genetics. *Leveraging Large-Scale Datasets to Understand the Interaction Between the Genome and the Epigenome*.*

Qian Cao; B.S., Washington University in St. Louis, 2013; Biomedical Engineering. *High-Resolution Quantitative Cone-Beam Computed Tomography: Systems, Modeling, and Analysis for Improved Musculoskeletal Imaging*.

Sarah Janet Capostagno; B.S., University of California (Los Angeles), 2013; Biomedical Engineering. *Image-Guided Interventions Using Cone-Beam CT: Improving Image Quality with Motion Compensation and Task-Based Modeling*.*

Yu-Ting Chang; B.S., National Taiwan University, 2011; Pathobiology. *Role of Cytochrome P450 in FLT3/ITD Acute Myeloid Leukemia Bone Marrow Microenvironment*.*

Yang-An Chuang; M.D., National Yang-Ming University, 2000; Biochemistry, Cellular and Molecular Biology Training Program-Neuroscience. *Molecular Genetic Analysis of ARC in Neuropsychiatric Diseases*.*

Lujing Chen; B.S., Shanghai Jiao Tong University, 2014; Neuroscience. *Phototransduction Mechanisms in M2- and M4- Intrinsically Photosensitive Retinal Ganglion Cells*.*

Andrew Wei Cheng; B.S., University of Michigan, 2009; Biomedical Engineering. *Learning of Parts and Whole Objects in Inferotemporal Cortex*.

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Doctors of Philosophy

with title of dissertation

Christopher Michael Cherry; B.S., University of Maryland (College Park), 2015; Biomedical Engineering. *A Comprehensive Single Cell Analysis of Regenerative and Fibrotic Biomaterials Environments.***

Maxime Chevee; B.A., University of California (Berkeley), 2012; Biochemistry, Cellular and Molecular Biology Training Program-Neuroscience. *Functional Correlates of Neuronal Identity and the Role of Claustrum in Sensory Selection.**

Chris Moonho Cho; B.S., Yale University, 2012; M.S., 2012; Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics. *Reck and Gpr124 Activate Canonical Wnt Signaling to Control Mammalian Central Nervous System Angiogenesis and Blood-Brain Barrier Regulation.*

Bo-Ran Choi; B.S., Seoul National University, 2009; M.S., 2012; Pathobiology. *GDE2-Dependent Activation of Canonical Wnt Signaling in Neurons Regulates Oligodendrocyte Maturation.**

Nivedita Chowdhury; B.Tech., Padmashree Dr. D.Y. Patil University, 2013; Pathobiology. *Decoding the Immune Microenvironment in Human Clear Cell Renal Carcinoma: Identification of Key Players and Their Correlation with Clinical Outcome.***

Helen Rose Clark; B.S., Virginia Polytechnic Institute and State University, 2014; Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics. *Single-Cell Mechanisms of Dynamic NF-kB Signaling that Orchestrate Tissue Level Innate Immunity.*

Ashley Leigh Cook Morgan; B.S., Johns Hopkins University, 2013; Cellular and Molecular Medicine. *Targeting Cancer Mutations.**

Kester Savio Coutinho; B.A., University of California (Berkeley), 2013; Biochemistry, Cellular and Molecular Biology Training Program-Cell Biology. *A Structure-Function Atlas of Cellular Mergers and Acquisitions for Precision-Engineered Assaults by Therapeutic Predator Cells.***

Raina Alexandra Grace D'Aleo; B.S., University of Washington, 2014; Neuroscience. *Utilizing a Dynamical System Model to Uncover Non-Conventional Drivers in Coupled Motor Cortices.*

Amber Elise de Groot; B.A., University of California (Berkeley), 2015; Pharmacology and Molecular Sciences. *Targeting the Tumor Microenvironment and Tumor-Associated Macrophages as an Adjunct Prostate Cancer Therapy.***

Lauren Wesley Dennison; B.S., University of Georgia, 2016; Cellular and Molecular Medicine. *Characterization of the Tumor and Systemic Immunomodulatory Effects of MEK1 Inhibition.*

Jacqueline Douglass; B.S., Massachusetts Institute of Technology, 2009; B.S., 2009; M.S., 2010; Cellular and Molecular Medicine. *Manabodies: TCR-Mimic Antibodies for Cancer Therapy.*

Erika Dunn-Weiss; B.S., University of Chicago, 2013; Neuroscience. *Perceptual Learning: Experimental and Computational Considerations.***

John Alexander Fissel; B.S., New Mexico State University, 2013; Pathobiology. *The Influence of BACE1 Expression on the Recruitment of Macrophages to the Injured Peripheral Nerve.***

Joseph Karl Galaro; B.S., Rutgers University, 2012; Biomedical Engineering. *Behavioral and Neurophysiological Mechanisms of Incentive Motivation in Humans.*

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Doctors of Philosophy

with title of dissertation

Timothy Ryan Gamache; B.S., Brown University, 2014; Neuroscience. *Regulation of Synaptic Plasticity Through SynGAP-Dependent Tuning of Postsynaptic Density Phase Transitions*.**

Yung-Tian Gau; M.D., National Yang-Ming University, 2012; Neuroscience. *Adaptive Astrocyte Dynamics During Cortical Processing and Flexible Behavior*.*

Bryce Grier; B.A., University of Virginia, 2013; Neuroscience. *Activity-Dependent Plasticity of Excitatory Synapses Across Different Cell Types in the Primary Visual Cortex*.**

Cooper Donald Grossman; B.A., University of Southern California, 2012; Neuroscience. *Serotonin Neurons Modulate Learning Rate Through Uncertainty*.

Christine Millan Harper; B.S., George Washington University, 2015; Functional Anatomy and Evolution. *External Morphological Variation of Extant and Fossil Hominid Calcanei*.**

Matthew John Hobson; B.S., Emory University, 2013; Program in Molecular Biophysics. *Towards a Mechanistic and Structural Understanding of DNA Gyrase: DNA Wrapping and ATPase Efficiency Govern the Rate and Extent of DNA Supercoiling*.*

William Hockeimer; B.S., University of Michigan, 2013; Neuroscience. *Non-Spatial Information Encoding in Hippocampal CA1*.

Cassandra Holbert; B.S., Dickinson College, 2016; Cellular and Molecular Medicine. *Polyamine Oxidation-Associated Damage: Friend or Foe? Implications for Polyamine Therapeutic Interventions*.

Paul William Hook; B.S., Pennsylvania State University, 2012; Human Genetics. *Leveraging Mouse Genomic Data to Prioritize Genes and Variants Associated with Common, Complex Neurological Disease*.*

Victoria Elizabeth Hoskins; B.S., Wake Forest University, 2015; Human Genetics. *How to Compartmentalize: Genome Compartmentalization After Cell Division and a Novel Role for Lamin C*.**

Han-Chung Hsiue; M.D., National Taiwan University, 2010; Cellular and Molecular Medicine. *Targeting Shared Cancer Neoantigens with Bispecific T Cell-Retargeting Antibodies*.**

Wei-Kai Huang; B.S., Fujen Catholic University, 2007; B.S., 2007; M.S., National Taiwan University, 2009; Pathobiology. *Induced Pluripotent Stem Cell Derived Organoid Models for Understanding Neurological Disorders*.

Michael Hwang; B.S., Massachusetts Institute of Technology, 2013; Cellular and Molecular Medicine. *Immunotherapeutic Approaches Targeting Genetic Alterations in Cancer*.**

Alyssa Kallman; B.S., University of California (Los Angeles), 2015; Human Genetics. *Insights into Retinal Health and Disease from Human Stem Cell Based Systems*.**

Swathi Karthikeyan; B.Tech., Anna University, 2012; M.S., Johns Hopkins University, 2014; Pathobiology. *Fibronectin Mediates Cooperativity Between Subclonal Populations in Breast Cancer*.

Gurcan Tunc Kayikcioglu; B.S., Bogazici University, 2013; Biophysics and Biophysical Chemistry. *Development of a High-Throughput Assay to Measure DNA Mismatch Repair Efficiency* In vivo.

Michael Daniel Ketcha; B.S., Johns Hopkins University, 2014; Biomedical Engineering. *Medical Image Registration: Statistical Models of Performance in Relation to the Statistical Characteristics of the Image Data*.**

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Doctors of Philosophy

with title of dissertation

Byung Woo Kim; B.S., University of Oklahoma, 2011; Pathobiology. *Modeling Amyotrophic Lateral Sclerosis with Human IPSC-Derived Motor Neurons Engineered by CRISPR/CAS9 Genome Editing Technology.***

Myungjun Ko; B.S., University of Hawaii (Manoa), 2014; Cellular and Molecular Medicine. *Endosomal pH is a Novel Driver of Glioblastoma Stemness.***

Stefanie Maria Helena Krug; B.S., University of Massachusetts (Amherst), 2008; Cellular and Molecular Medicine. *The Role of PARP1 and PARP Inhibition in Tuberculosis.*

Sue Ogashira Kulason; B.S., Johns Hopkins University, 2013; Biomedical Engineering. *Preclinical Alzheimer's Disease in Entorhinal and Transentorhinal Cortex.*

Abena Kumiwaa Rebecca Kwaa; A.B., Mount Holyoke College, 2012; Cellular and Molecular Medicine. *The Latent Reservoir in Elite Controllers and Factors that Affect the Suppressive Capacities of Immune Effector Cells in HIV Positive Individuals.**

Brian Curtis Lee; B.S., University of Pennsylvania, 2012; M.S., 2013; Biomedical Engineering. *Anatomical Image Series Analysis in the Computational Anatomy Random Orbit Model.***

Brian Jinho Lee; B.S., University of Wisconsin (Madison), 2010; Cellular and Molecular Medicine. *IL-6, CCL2, and CCR2 Drive Pathophysiological Pathways of Psychosis.*

Isac Lee; B.S., University of Texas (Austin), 2014; Biomedical Engineering. *Nanopore Sequencing for Investigation of the Human Epigenome.**

Joyce Lee; B.S., Pennsylvania State University, 2014; Biochemistry, Cellular and Molecular Biology Training Program-Biophysics and Biophysical Chemistry. *Modulation of Eukaryotic Topoisomerase II Activity by Naturally Occurring Small Molecules.*

Ang Li; B.S., Shanghai Jiao Tong University, 1991; Biomedical Engineering. *Miniaturized Two-Photon Microscopes and Their Applications.*

Xiaoguang Li; B.S., Harbin Medical University, 2013; Biological Chemistry. *Molecular Mechanisms of Cell Migration in Amoeboid Cells.*

Zixuan Lin; B.S., Shanghai Jiao Tong University, 2015; Biomedical Engineering. *Non-Contrast Assessment of Blood-Brain Barrier Permeability to Water Using Magnetic Resonance Imaging.*

Monika Marie Looney; B.S., University of Maryland (College Park), 2016; B.S., 2016; Pathobiology. *From microRNAs to Mitochondria in the Macrophage Response to* Mycobacterium tuberculosis: *And Inflammasome Activation in COVID-19.*

Zoila Areli Lopez Bujanda; B.S., Universidad de Sonora, 2007; M.S., 2009; Pathobiology. *Prostate Cancer: Insights into Tumor Immunosuppression.***

Jennifer Lu; B.S., Johns Hopkins University, 2014; Biomedical Engineering. *SkewIT, Bracken, and Kraken: Methods for Analyzing a Complex, but Invisible World.***

Emily Clare Maggioncalda; B.S., University of Michigan, 2016; Pathobiology. Mycobacteroides abscessus: *A Mouse Model of its Disease and Investigations into Atypical Cell Wall Transpeptidases.***

Katherine Lynn Marshall; B.S., University of Maryland (College Park), 2015; Pathobiology. *Axonal Regeneration of ALS Patient iPSC-Derived Motor Neurons.*

Meiling Rose-Anne May; B.A., College of the Holy Cross, 2014; Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics. *Regulation of V(D)J Recombination: Mechanisms That Govern Locus Accessibility and Mitigate Against Genomic Instability.***

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Doctors of Philosophy

with title of dissertation

Brittany Avin McKelvey; B.S., Clemson University, 2015; Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics. *Telomerase Reverse Transcriptase (TERT) Regulation by Activating Promoter Mutations and Allele-Specific Transcriptional Regulation in Thyroid Cancer Cells.***

Ryan J. McQuillen; B.S., Lafayette College, 2012; Program in Molecular Biophysics. *Optogenetic Control of Protein Organization in Living* Escherichia coli *Cells.**

Brian Mark Mears; B.S., University of Maryland (College Park), 2014; Cellular and Molecular Medicine. *Development and Application of DNA Methylation and Chromatin Structure Analyses to Interrogate the Origin of Pancreatic Cancer*.

James Meixiong; B.A., Harvard University, 2013; Neuroscience. *The Critical Role of MRGPRS in Non-Histaminergic Pruritus of Cholestasis and Allergic Contact Dermatitis*.

Jessica Jean Miciak; B.S., Johns Hopkins University, 2012; M.S., 2013; Cellular and Molecular Medicine. *Exploring the Role of PTCH53: A High Confidence P53 Target Gene*.

Itzy Erin Morales Pantoja; B.S., University of New Mexico, 2015; Cellular and Molecular Medicine. *iPSCs From People with MS Can Differentiate into Oligodendrocytes in a Homeostatic But Not an Inflammatory Milieu.**

Sean Murphy; B.S., University of Washington, 2015; Biomedical Engineering. *Maturation of the Heart: The Role of PGC1 in Cardiomyocyte Maturation at the Single Cell Level*.

Akshay Narkar; B.Pharm., University of Mumbai, 2011; Human Genetics. *On the Role of P53 in the Cellular Response to Aneuploidy.***

Nathaniel James Nowak; B.S., University of California (Los Angeles), 2014; Neuroscience. *A Calcium Imaging Approach to Investigate Type II Cochlear Afferent Activity After Trauma*.

Purnima Padmanabhan; B.Tech., Indian Institute of Technology (Madras), 2013; Neuroscience. *Effort Cost and Energy Optimization in Human Pathological Movement.***

Elizabeth Sarah Partan; B.S., University of Maryland (College Park), 2014; Human Genetics. *Investigation of the Molecular Bases of PHACE Syndrome and Enchondromatoses Using DNA and RNA Sequencing*.

Alexander Platero; B.S., University of California (Davis), 2014; Biochemistry, Cellular and Molecular Biology Training Program-Neuroscience. *Activity-Dependent Activation of mTORC1 in Neurons*.

Anustup Poddar; B.S., University of Calcutta, 2011; M.S., Indian Institute of Technology (Bombay), 2013; Biophysics and Biophysical Chemistry. *Quantitative Super-Resolution Single Fluorophore Imaging Studies on Bacterial RNAs*.

Brian Poll; B.A., University of Chicago, 2012; Biochemistry, Cellular and Molecular Biology Training Program-Physiology. *Exploring Microbiome-Host Interactions: Elucidating the Effects of Short-Chain Fatty Acids and Olfactory Receptor 78 on Hemodynamics and Renal Function.**

Meenakshi Prajapati; B.S., University of Arkansas, 2012; Neuroscience. *Gradient Factors Instruct Position-Dependent Development of the Cochlea.**

Kristen Alexandra Prufrock; B.S., University of Toronto, 2012; Functional Anatomy and Evolution. *Ontogeny of the Masticatory System in Strepsirrhines.***

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Doctors of Philosophy

with title of dissertation

Timothy Rhyker Ranallo-Benavidez; B.S., University of Oklahoma, 2014; Biomedical Engineering. *Mathematical Analyses of Genome Complexity and Population Diversity Using Next-and Third-Generation Sequencing Technologies*.

Linhao Ruan; B.S., Huazhong University of Science and Technology, 2011; Biochemistry, Cellular and Molecular Biology Training Program-Cell Biology. *Mitochondria in Protein Homeostasis and Aging*.

Mark Fares Sabbagh; B.S., Brown University, 2012; Neuroscience. *Transcriptional and Epigenomic Landscapes of Vascular Endothelial Cells*.

Pingdewinde Nestor Sam; B.A., San Francisco State University, 2015; Cellular and Molecular Physiology. *Structural Analysis and Localization of Phosphatidylserine Decarboxylase One in Saccharomyces Cerevisiae*.

Helen Frances Schmidt; B.S., University of Delaware, 2013; Human Genetics. *Regulation of P Granules by the Disordered Protein MEG-3*.

Joseph Yusup Shin; B.S., Haverford College, 2011; Human Genetics. *Targeting Fibrosis: Therapeutic and Pathogenic Epigenetic Modulation of a Novel* TGFB2 *Enhancer in Systemic Sclerosis*.

Eva Shrestha; B.A., Bard College, 2014; Pathobiology. *The Urinary Microbiome and Prostate Infection in Prostate Cancer Development*.*

Calla Brooke Shubin; B.S., Cornell University, 2015; Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics. *RIF1 Regulates Origin Firing and Telomere Length Through Distinct Mechanisms*.

John-William Sidhom; B.S.E., University of Michigan, 2011; M.S.E., Johns Hopkins University, 2012; Biomedical Engineering. *Applications of Artificial Intelligence & Machine Learning in Cancer Immunology*.

Mary Soliman; B.S., University of California (Irvine), 2014; Cellular and Molecular Medicine. *Immune Responses Important in the Regulation of Human Immunodeficiency Virus-1 (HIV-1) and Hepatitis C Virus (HCV) in People Who Inject Drugs (PWID)*.**

Chaya Rachel Steinberg; B.S., Brooklyn College of the City University of New York, 2014; Cellular and Molecular Medicine. *DNA Repair and the Methylation Machinery: Two Worlds Collide Using Novel Cell and Fluorescence Based Repairswitch Assay*.**

Ashley Nicole Stewart; B.S., University of the Sciences, 2015; Cellular and Molecular Physiology. *Biochemical and Physiological Characterization of Secreted Proteins Regulating Whole-Body Energy Homeostasis*.**

Yuqi Tan; B.S., Chinese University of Hong Kong, 2014; Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics. *Quantitative Assessment of Cell Type Identity Across Platforms and Across Species with Applications to Stem Cell Engineering and Osteosarcoma*.

Jeremy John Thorpe; B.S., James Madison University, 2012; Biochemistry, Cellular and Molecular Biology Training Program-Neuroscience. *Brain Somatic Mosaicism in Neurodevelopmental Disease*.**

Joseph Mark Tilghman; B.S., Washington and Lee University, 2013; Human Genetics. *Sequence Analysis of Familial Neurodevelopmental Disorders*.

Dimitri Tselenchuk; B.S., University of Maryland (College Park), 2015; Cellular and Molecular Medicine. *Disruption of the RNF4/STUbL Pathway Sensitizes to Decitabine Through Impaired Clearance of DNMT1-DNA Covalent Complexes*.

Cory Justin White; B.S., Mercer University, 2014; Biochemistry, Cellular and Molecular Biology Training Program-Biological Chemistry. *Understanding Lipid Catabolism and Homeostasis in the Mammalian Brain*.

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Doctors of Philosophy

with title of dissertation

Heather Celia Wick; B.S., Tufts University, 2009; Human Genetics. *The Role of Topoisomerase II Beta in Facilitating the Androgen-Induced Transcriptional Program*.

Zheng Hao Samuel Wong; B.S., National University of Singapore, 2014; Cellular and Molecular Medicine. *Decoding Fate Specification in the Mammalian Thalamus Using* In vivo *Clonal Lineage Tracing*.

Shannon Wongvibulsin; B.S., University of California (Los Angeles), 2014; Biomedical Engineering. *Machine Learning for Individualized Clinical Risk Prediction and Prevention*.

Duo Xu; B.S., China Agricultural University, 2012; Neuroscience. *A Functional Cortical Network for Sensorimotor Sequence Generation.**

Wei Xu; B.S., Peking University, 2013; M.Sc., 2015; Pharmacology and Molecular Sciences. *The Role of Glutamate Metabolism in Regulating CD4+ and CD8+ T Cell Differentiation*.

Nicholas Werner Zaccor; B.S., Rensselaer Polytechnic Institute, 2013; Neuroscience. *Toward Understanding Angiotensin II Receptor Regulation by Transient Receptor Potential Vanilloid 4*.

Chen Zhao; B.S., Washington University in St. Louis, 2014; Biomedical Engineering. *Investigating Macrophage Polarization in Peripheral Arterial Disease Using Systems Biology Approaches*.

Dan Zhu; B.Eng., Tsinghua University, 2014; Biomedical Engineering. *Accelerated Quantitative Mapping and Angiography for Cerebral and Cardiovascular Magnetic Resonance Imaging*.

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Graduate Student Oath

As I embark on my career as a scientist, I willingly pledge that:

- I will practice and support a scientific process that is based on logic, intellectual rigor, personal integrity, and an uncompromising respect for truth;
- I will perform my professional activities and interactions with scientific integrity and respect for the field and my peers;
- I will acknowledge my role as an ambassador of science to the public, and strive to be honest, respectful, and unbiased with engaging the public;
- I will value my work and its contribution to the scientific community;
- I will never let the potential for personal recognition or advancement cause me to act in a way that violates the public trust in science or in me as a scientist;
- I will foster a community that is inclusive of all and recognize that diversity cultivates innovation, creativity, and progress;
- I will acknowledge and honor the contributions of scientists who have preceded me and become a worthy role model deserving of respect by those who follow me;
- And I will always be cognizant that my work is for the advancement of knowledge and the benefit of all humanity.

By pronouncing this Oath, I declare my commitment to these professional standards and goals.

Doctors of Medicine

Orit Zaki Abrahim; B.A., Yale University, 2015.

Theresa Rae Aguilar; B.S., Baylor University, 2016.

Neha Jia Ahmad; B.A., Columbia University in the City of New York, 2011; AH, Johns Hopkins University, 2014.

Hiroshi Felipe Aida; B.S., Emory University, 2016.

Laura Kathleen Aisenberg; B.S., University of Wisconsin (Madison), 2013.

Nicholas Stephen Andrade; B.S., Duke University, 2016.

Erinolaoluwa Funmibi Araoye; B.S.C., State University of New York (Plattsburgh), 2015.

Aanika Balaji; B.S., University of Arizona, 2016.

Bilal Abdul Bari; B.S., Georgia Institute of Technology, 2011.

James Michael Alberto Bell; B.A., University of Southern California, 2015; M.S., 2015.

Diana Marie Bongiorno; B.A., University of Pennsylvania, 2016; B.S., 2016; M.P.H., Johns Hopkins Bloomberg School of Public Health, 2020.

Joseph Connor Broderick; B.S., United States Military Academy, 2016; M.A., Tsinghua University, 2017.

Barry Robert Bryant; B.S., University of Notre Dame, 2017.

Nur Cardakli; B.S., Duke University, 2017.

Jenice Xinyu Cheah; B.S., University of California (Davis), 2016.

Jennifer Hechao Chen; B.A., Cornell University, 2015.

Li-Kuang Chen; B.A., Duke University, 2014.

Chris Moonho Cho; B.S., Yale University, 2012; M.S., 2012.

Robert Fung Chu; B.A., Harvard University, 2017.

Katharine Tyler Clark; B.S., Duke University, 2014.

Amira Olivia Collison; B.S., University of Maryland (College Park), 2016.

Kyla Marie Cordrey; B.A., Harvard University, 2017.

Shanaz Milou Daneshdoost; B.A., Grinnell College, 2017.

Afkera Kesete Daniel; B.A., Harvard University, 2011.

Marcus Jerome Daniels; B.A., University of Mississippi, 2015.

Sophia Diaz; B.S., Brown University, 2014.

Barbara Ann Dietrick; B.S., Florida State University, 2016; M.S., University of Oxford, 2017.

Clarissa Paula Ribeiro Diniz; B.S., Juniata College, 2014.

Jacqueline Douglass; B.S., Massachusetts Institute of Technology, 2009; B.S., 2009; M.S., 2010.

Joshua Michael Doyle; B.S., University of Rhode Island, 2017; M.S., 2017.

Adam Alexander D'Sa; B.A., Yale University, 2017.

Jeffrey Scott Ehresman; B.S., University of Nebraska (Omaha), 2016.

Jeffrey Austin Elsner; B.A., Washington University in St. Louis, 2016.

Smirnov Denis Exilus; B.A., Rutgers University, 2016.

Doctors of Medicine

Abby Kathryn Fahnestock; B.A., Baylor University, 2017.

Sina Famenini; B.S., University of California (Los Angeles), 2015.

Nicole Fischer; B.A., University of California (Berkeley), 2015.

Michael Fliotsos; B.S., University of Notre Dame, 2016.

Katherine Marie Fomchenko; B.S., College of New Jersey, 2017.

Zane Pullman Frazer; B.S., University of Central Florida, 2016.

Priyal Gandhi; B.A., University of Virginia, 2017.

Eilrayna Gelyana; B.A., Harvard University, 2015.

Julia Renee Gips; B.S., University of Michigan, 2017.

Thomas John Gracie; B.S., University of Colorado (Boulder), 2015.

Zhuoying Gu; B.A., Columbia University in the City of New York, 2016.

Megan Elizabeth Hadley; B.S., University of Maryland (College Park), 2015.

Colleen Elizabeth Hanlon; B.S., Yale University, 2016.

Dylan William Hardenbergh; B.A., Harvard University, 2016.

Laurence Tang Hou; B.A., Johns Hopkins University, 2015.

Mitchell Mingyu Huang; B.A., Dartmouth College, 2016.

Megan Frances Hunt; B.S., Clemson University, 2017
.

Sakibul Huq; B.S., University of North Carolina (Chapel Hill), 2014.

Nanki Hura; B.S., The Ohio State University, 2017.

Pauline Phuong Huynh; B.A., University of Southern California, 2015.

Tae Kyung Kim; B.A., Dartmouth College, 2016.

Audrey Nebergall Kobayashi; B.A., Hamilton College, 2010; Ph.D., University of Copenhagen, 2016.

Neel Koyawala; B.A., University of Pennsylvania, 2015; B.S., 2015.

Boateng Appiah Kubi; B.S., University of North Carolina (Chapel Hill), 2017.

Bo Shiun Lai; B.A., University of Chicago, 2013; Ph.D., University of Cambridge, 2017.

Brian Jinho Lee; B.S., University of Wisconsin (Madison), 2010.

Jason Tsz Chun Lee; B.S., University of British Columbia, 2015; M.Sc., 2017.

Katerina Lin; B.A., Harvard University, 2015.

Gideon Sperling Loevinsohn; B.S., Brown University, 2012.

Grace Ma; B.S., University of Miami, 2017.

Kevin Patrick MacKrell; B.S., Clarkson University, 2017.

David Michael Mampre; B.S., Johns Hopkins University, 2016.

Bridgette M. McCormick; B.S., Indiana University (Bloomington), 2017; B.S., 2017.

Doctors of Medicine

Ashlyn Elizabeth McRae; B.S., Tulane University, 2015.

Ravi Teja Medikonda; B.A., Rice University, 2016.

Monica Valerie Meeks; B.A., Washington University in St. Louis, 2014.

Lukas Mees; B.A., Emory University, 2016.

James Meixiong; B.A., Harvard University, 2013.

Benjamin Joseph Miller; B.S., Christopher Newport University, 2017.

Jeremy Dana Miller; B.S., University of Massachusetts (Amherst), 2013.

Maria Elise Molinaro; B.S., University of South Carolina, 2015.

Omar Najjar; B.S., American University of Beirut, 2016.

Thuy Nam; B.A., Harvard University, 2017.

Vanessa Nicole Peña; B.H., University of Arizona, 2016.

Allison Peng; B.S., Columbia University in the City of New York, 2017.

Zachary Arthur Pennington; B.S., Johns Hopkins University, 2016.

Aarti Purohit; B.A., University of Virginia, 2017.

Rafa Rahman; B.S., Massachusetts Institute of Technology, 2016.

Mark Ren; B.S., Cornell University, 2017.

Ambrose Rice; B.S., Belmont University, 2016.

Alissa Michelle Rothman; B.A., Amherst College, 2015.

Mark Fares Sabbagh; B.S., Brown University, 2012.

Michael Saheb Kashaf; B.S., Carnegie Mellon University, 2013; M.Sc., London School of Hygiene and Tropical Medicine, 2015.

Antonio Dalbert Salas; B.S., Santa Clara University, 2016.

Alan Shan; B.S., Brown University, 2014.

Bairavi Shankar; B.A., Rice University, 2017.

Erica Hannah Shey; B.S., University of Miami, 2017.

Joseph Yusup Shin; B.S., Haverford College, 2011.

Ingharan James Siddarthan; B.A., University of Pennsylvania, 2017.

John-William Sidhom; B.S.E., University of Michigan, 2011; M.S.E., Johns Hopkins University, 2012.

Bryce Allen Small; B.S., Stanford University, 2013.

Jill Lauren Sorcher; B.A., University of Pennsylvania, 2015.

Garshasb Parkhideh Soroosh; B.S., University of Maryland (College Park), 2017.

Suganya Subramaniam; B.S., Massachusetts Institute of Technology, 2016.

Yuqing Sun; B.S., Peking University, 2011; M.S., University of Michigan, 2017; Ph.D., 2017.

Katherine Yuxi Tai; B.A., Dartmouth College, 2015.

Ved Anand Tanavde; B.A., Columbia University in the City of New York, 2015.

Doctors of Medicine

Blossom Abrehet Zerabruck Tewelde; B.S., University of Maryland (Baltimore County), 2014.

Julia Jane Wainger; B.S., University of Maryland (College Park), 2016.

Cecilia Maria Weeks; B.S.A., University of Texas (Austin), 2015.

Anna May Weimer; B.S., University of Pittsburgh, 2016.

Daniel Jie Weng; B.A., University of Pennsylvania, 2015.

Leah Jo Weston; B.A., Lewis and Clark College, 2014.

Katherine Anne Whang; B.S., Massachusetts Institute of Technology, 2017.

Bernadette Patricia Wharton; B.A., Harvard University, 2015.

Shannon Wongvibulsin; B.S., University of California (Los Angeles), 2014.

Helen Xun; B.S., Gonzaga University, 2015.

Pooja Suguna Yesantharao; B.S., Rice University, 2015; M.S., Stanford University, 2016.

Anna Marie Pacheco Young; B.S., James Madison University, 2014; M.P.H., Johns Hopkins Bloomberg School of Public Health, 2020.

Robert William Charles Young; B.S., United States Naval Academy, 2017.

Nathan Javin Yueh; B.A., Columbia University in the City of New York, 2014.

Nicholas Werner Zaccor; B.S., Rensselaer Polytechnic Institute, 2013.

Munfarid Abbas Zaidi; B.S., University of Texas (Austin), 2016.

George Qiaosheng Zhang; B.S., University of Maryland (College Park), 2016.

Lisa Zhang; B.A., University of California (Berkeley), 2016; B.S., 2016.

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The Oath of Hippocrates

I do solemnly swear...
by that which I hold most sacred...
That I will be fully committed to those I serve…
and just and loyal to the profession of medicine and its members...
That I will lead my life...
and practice my art...
in uprightness and honor...
That into whatsoever house I shall enter...
it shall be for the good of the sick...
to the utmost of my power...
holding myself aloof from wrong...
from corruption...
and from the tempting of others to vice...
That I will exercise my art...
solely for the care of my patients...
and will give no drug...
and perform no operation...
without justifiable purpose...
nor ever suggest it...
That whatsoever I shall see or hear...
of the lives of men and women...
which is not fitting to be spoken...
I will keep inviolably secret...
These things I do promise...
and in proportion as I am faithful to this my oath...
may happiness and good repute be ever mine...
the opposite if I shall be forsworn.

Medal of the Frances Watt Baker, M.D. and Lenox D. Baker, Jr., M.D. Deanship

JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE

In 1997 Dr. Edward D. Miller commissioned sculptor Neil Estern to create a medal commemorating the endowment of the Baker deanship. The medal was struck in bronze. Design of its obverse is based on John Singer Sargent's group portrait of four major figures associated with the founding of the School of Medicine – William H. Welch, William Osler, Howard A. Kelly, and William S. Halsted. Silversmith Henry P. Hopkins, III designed and produced the chain of the medal which incorporates silver medallions inscribed with names of each individual who has served as Dean of the Medical Faculty. Included are blank medallions which will be inscribed with the name of each successive dean in years to come. The medal is worn by the dean on ceremonial occasions. When not in use, the medal is on display in the Office of the Dean.

William H. Welch
1893 - 1898

William Osler
1898 - 1899

William H. Howell
1899 - 1911

J. Whitridge Williams
1911 - 1923

Lewis H. Weed
1923 - 1929

Alan M. Chesney
1929 - 1953

Philip Bard
1953 - 1957

Thomas B. Turner
1957 - 1968

David E. Rogers
1968 -1971

Russell H. Morgan
1971 - 1975

Richard S. Ross
1975 - 1990

Michael E. Johns
1990 - 1996

Edward D. Miller
Interim Dean
1996 - 1997

Edward D. Miller
1997 - 2012

Paul B. Rothman
2012 -

Cover design:

Katie Roorda, CMI, Class of 2017
M.A., Medical and Biological Illustration
Department of Art as Applied to Medicine