Commencement
Order of Ceremony

Processional

National Anthem

Welcome and Opening Remarks
Michael F. Collins, MD
Chancellor, University of Massachusetts Medical School

Greetings
Kerri Osterhaus-Houle, MD
University of Massachusetts Board of Trustees

Remarks
Martin Meehan, JD
President, University of Massachusetts

Presentation of Honorary Degrees
Victor Grifols Roura
Patricia K. Donahoe, MD
Valerie Montgomery Rice, MD

Commencement Address
Valerie Montgomery Rice, MD
President and Dean, Morehouse School of Medicine

Awarding of Degrees
Graduate School of Nursing
Joan M. Vitello, PhD, RN, NEA-BC, FAHA, FAAN, Dean
Class Address, Michele Kennedy Griswold

Graduate School of Biomedical Sciences
Anthony Carruthers, PhD, Dean
Class Address, Brian Joseph Quattrochi

School of Medicine
Terence R. Flotte, MD, Dean
Celia and Isaac Haidak Professor of Medical Education
Class Address, Jessica Rose Long

Oath of Maimonides

Recessional

Please remain seated until the platform party, faculty and graduates have left the tent.
Ceremony Participants

MACEBEARER
Deborah Harmon Hines, PhD

FACULTY MARSHALS
Timothy Gibson, MD, and Jesica Pagano-Therrien, PhD, RN, CPNP

STUDENT MARSHALS
Cynthia Theresa Thompson, GSN, and Rebecca Lee Riding, GSBS
Steven Tirro Em, SOM ’18, and Michael Charles Kiritsy, SOM ’19

PRESENTERS
GRADUATE SCHOOL OF NURSING
Janet Fraser Hale, PhD, RN, FNP

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES
Kendall L. Knight, PhD

SCHOOL OF MEDICINE
Sonia Nagy Chimienti, MD

HOODERS
GRADUATE SCHOOL OF NURSING
Master’s: Susan Feeney, DNP, FNP-BC, NP-C, and Mary Elizabeth Sullivan, DNP, ANP-BC, ACNP-BC
DNP: Jean E. Boucher, PhD, RN, ANP-BC, AOCNP, and Kenneth S. Peterson, PhD, RN, FNP-BC
PhD: Jean E. Boucher, PhD, RN, ANP-BC, AOCNP, and Carol Boua, PhD, RN, ANP
James Allen Fain, PhD, RN, BC-ADM, FAAN, and Nancy S. Morris, PhD, ANP-BC
Donna J. Perry, PhD, RN

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES
Mary Ellen Lane, PhD; Brian Lewis, PhD; and Mentors of the Graduates

SCHOOL OF MEDICINE
Frank J. Domino, MD, and Learning Community Mentors

ORGANIST
Julie A. Jonassen, PhD

VOCALISTS
Kendra A. Vandervalk and Krysten L. Kruger

PROCESSIONAL:
Johann Sebastian Bach, opening march from an academic festival cantata, arranged for organ by
M. Kenneth Wolf, MD, Professor of Cell Biology, 1970-2008
Valerie Montgomery Rice, MD

Dr. Valerie Montgomery Rice is the sixth president of Morehouse School of Medicine (MSM) in Atlanta, Georgia, and the first woman to lead the free-standing medical institution. A renowned infertility specialist and researcher, she provides a valuable combination of experience at the highest levels of patient care and medical research, as well as organizational management and public health policy.

A dedicated philanthropist, Dr. Montgomery Rice strongly believes in utilizing her leadership roles to give back to the community, particularly to promote healthcare equity and advance the educational opportunities available to underrepresented youth. Under her leadership, MSM embraces a new vision to lead the creation and advancement of health equity. She has nearly doubled the number of medical students and secured more than $70 million in institution funding, capital projects and scholarships to further diversify Georgia’s healthcare professionals.

Dr. Montgomery Rice has received numerous accolades, including the National Coalition of 100 Black Women–Women of Impact; YWCA–Women of Achievement, in both Atlanta (2014) and Nashville (2007); American Medical Women’s Association Elizabeth Blackwell Medal; and Working Mother Media Multicultural Women’s Legacy Award.

Dr. Montgomery Rice was born in Macon, Georgia where she lived with three sisters and her hardworking, single mother. After suffering from and overcoming osteomyelitis, she began excelling in school and was eventually awarded academic scholarships to attend the Georgia Institute of Technology. Following her undergraduate career, she received her medical degree from Harvard Medical School, completed her residency training in obstetrics and gynecology at Emory University School of Medicine and her fellowship in reproductive endocrinology and infertility at Hutzel Hospital in Detroit, Michigan.

Dr. Montgomery Rice began her career in medicine at the University of Kansas School of Medicine, Henry Ford Medical Center and Meharry Medical College, where she founded and directed the Center for Women’s Health Research, one of the nation’s first research centers devoted to studying diseases that disproportionately impact women of color. She returned to Georgia in 2011 as dean and executive vice president of Morehouse School of Medicine.

Dr. Montgomery Rice has been married to her fellow Georgia Institute of Technology alumnus, Melvin Rice, Jr., for 25 years. They have two children.

Victor Grifols Roura

Victor Grifols Roura is non-executive chairman and proprietary director of Grifols, S. A., which embraces as its mission to improve people's health and well-being. The company was founded by Mr. Grifols’ grandfather, father and uncle in 1940, at the end of the Spanish civil war, in response to their experience helping in the blood bank during the war.

In 1973, after earning a business administration degree from the University of Barcelona, Mr. Grifols joined the company as an export manager; he succeeded his father as CEO in 1985. As a result of his strategic vision, Grifols has grown from a local Spanish biologics company into a global biopharmaceutical company which sells a wide range of biologics, diagnostic and hospital products in over 100 countries. On January 1, 2017, Mr. Grifols turned over the day-to-day management of the company to his youngest brother Raimon and son Victor and assumed his current position.
The 2014 outbreak of Ebola in Liberia brought MassBiologics and Grifols together because of their shared mission and technology. The old Chinese proverb about giving a poor man a fish vs. teaching him to fish governed Mr. Grifols’ commitment to making technology available in West Africa. Working with UMass to get access to the appropriate government and infrastructure personnel enabled Grifols to take their treatment idea and run with it. Having donated mobile lab facilities, they are training Liberians how to use them and will then hand over the keys and equipment.

Mr. Grifols is responsible for developing the non-commercial activities of the company. The Víctor Grífols i Lucas Foundation is a respected resource on bioethical issues, its main mission being to act as a platform for the exchange of different perspectives on the complicated ethics and bioethics issues that profoundly affect modern society.

Working with local populations, the Probitas Foundation promotes and finances much-needed services, engineering support, laboratory equipment, and other tangible assets and resources to improve healthcare in areas of the world that suffer from a lack of economic and technology resources.

The primary mission of the José Antonio Grifols Lucas Foundation is to support education and health programs that improve the well-being of individuals who donate their plasma at Grifols’ donation centers throughout the United States.

**Patricia Donahoe, MD**

Patricia K. Donahoe, MD, serves as Director of the Pediatric Surgical Research Laboratories and Chief Emerita of Pediatric Surgical Services at Massachusetts General Hospital, where she has worked virtually her entire career, and as the Marshall K. Bartlett Professor of Surgery at Harvard Medical School.

Dr. Donahoe grew up in the town of Braintree where she was an indifferent young student. Her father was a medic in WWII and always had an interest in medicine, but medicine as a vocation didn’t register with her until she was about 12 or 13 and underwent emergency surgery. She got to know her physician well, and it was then she felt her first inkling of interest in medicine.

In high school, she was more interested in sports than anything else, and subsequently, attained her Bachelor of Science degree in Physical Education, a discipline which includes many pre-medical courses, from Boston University, where she currently serves on the Board of Trustees. As a result, she became sincerely interested in medicine. After graduating, she taught for two years at Indiana University and took all of the other pre-med courses she hadn’t taken as an undergraduate.

Dr. Donahoe received her MD from Columbia University College of Physicians and Surgeons, one of 10 women in her class of 120. With her husband and their two children, she moved back to the Boston area where she was fortunate to get a residency at Tufts, trained in general surgery, and was the first woman and first chief resident in their surgical program. There were no women in the department of surgery at MGH when she arrived, but with the help of mentors, she became a meticulous surgeon, built a surgical practice and reveled in laboratory work.

As a pediatric surgeon, Dr. Donahoe deals with birth defects, and she became interested in Mullerian Inhibiting Substance as a potential anticancer agent against human ovarian carcinomas and the genetics of sex differentiation and other congenital anomalies, for which she has been steadily funded by the NIH.

She has trained over 100 fellows who now hold significant academic positions around the world, published over 230 peer-reviewed publications, and holds 12 patents. She is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, and the National Academy of Medicine.
# The Classes of 2017
## Graduate School of Nursing
### Master of Science

<table>
<thead>
<tr>
<th>Name</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lynn Arthur</td>
<td></td>
</tr>
<tr>
<td>Jessica Marie Ashman</td>
<td></td>
</tr>
<tr>
<td>Tracy Beckman</td>
<td></td>
</tr>
<tr>
<td>Heather L. Beckner</td>
<td></td>
</tr>
<tr>
<td>Rachel Meyer Bensen</td>
<td></td>
</tr>
<tr>
<td>Anthony Bueno</td>
<td></td>
</tr>
<tr>
<td>Ashley Burke</td>
<td></td>
</tr>
<tr>
<td>Lisa Cioffari-Bailiff</td>
<td></td>
</tr>
<tr>
<td>Kamrie Costello</td>
<td></td>
</tr>
<tr>
<td>Kathryn Romaine Crawford</td>
<td></td>
</tr>
<tr>
<td>Kathryn Elizabeth DiFiore</td>
<td></td>
</tr>
<tr>
<td>Kasia S. Dodman</td>
<td></td>
</tr>
<tr>
<td>Hilary Marie Dulin</td>
<td></td>
</tr>
<tr>
<td>Susan Clare Emmerling</td>
<td></td>
</tr>
<tr>
<td>Linda Ann Fasci</td>
<td></td>
</tr>
<tr>
<td>Melanie Ann Faust</td>
<td></td>
</tr>
<tr>
<td>Rachel Fields</td>
<td></td>
</tr>
<tr>
<td>Alicia M. Filewicz</td>
<td></td>
</tr>
<tr>
<td>Richard William Gallagher</td>
<td></td>
</tr>
<tr>
<td>Sonali Ashok Gandhi</td>
<td></td>
</tr>
<tr>
<td>Celina May Georgia</td>
<td></td>
</tr>
<tr>
<td>Sarah Glaser</td>
<td></td>
</tr>
<tr>
<td>Diana Gurske</td>
<td></td>
</tr>
<tr>
<td>Stephany Boaño Gyasi</td>
<td></td>
</tr>
<tr>
<td>Krystina Mary Habib</td>
<td></td>
</tr>
<tr>
<td>Timothy Hilton</td>
<td></td>
</tr>
<tr>
<td>Emily C. Howieson</td>
<td></td>
</tr>
<tr>
<td>Christina Lynn Janssens</td>
<td></td>
</tr>
<tr>
<td>Sarina Kimball</td>
<td></td>
</tr>
<tr>
<td>Katherine S. Knapp</td>
<td></td>
</tr>
<tr>
<td>Rebecca Krieger</td>
<td></td>
</tr>
<tr>
<td>Natalia Krzyzanowski</td>
<td></td>
</tr>
<tr>
<td>Cheryl Kurtz</td>
<td></td>
</tr>
<tr>
<td>Alan Kwan</td>
<td></td>
</tr>
<tr>
<td>Chantelle LaMountain</td>
<td></td>
</tr>
<tr>
<td>Kaileigh Lavin</td>
<td></td>
</tr>
<tr>
<td>Sarrin E. List</td>
<td></td>
</tr>
<tr>
<td>Michelle Margolis</td>
<td></td>
</tr>
<tr>
<td>Kimberly Lyn Marsh</td>
<td></td>
</tr>
<tr>
<td>Emily Rose Martin</td>
<td></td>
</tr>
<tr>
<td>Nicholas Merry</td>
<td></td>
</tr>
<tr>
<td>Hannah Mitchell</td>
<td></td>
</tr>
<tr>
<td>Elizabeth Kaylin Moorghen</td>
<td></td>
</tr>
<tr>
<td>Ania Moradkhani</td>
<td></td>
</tr>
<tr>
<td>Amanda Jean Murray</td>
<td></td>
</tr>
<tr>
<td>Rebecca Ogembo</td>
<td></td>
</tr>
<tr>
<td>Naomi K. Pappas</td>
<td></td>
</tr>
<tr>
<td>Lauren Philbrick</td>
<td></td>
</tr>
<tr>
<td>James Quaicoe</td>
<td></td>
</tr>
<tr>
<td>Jamie Noelle Reid</td>
<td></td>
</tr>
<tr>
<td>Ana Ronderos</td>
<td></td>
</tr>
<tr>
<td>Christina M. Rowland</td>
<td></td>
</tr>
<tr>
<td>Stephanie Salvi</td>
<td></td>
</tr>
<tr>
<td>Christian B. Sikora</td>
<td></td>
</tr>
<tr>
<td>Rebecca Silua</td>
<td></td>
</tr>
<tr>
<td>Caille Louise Souza</td>
<td></td>
</tr>
<tr>
<td>Joana Sun</td>
<td></td>
</tr>
<tr>
<td>Estela Trebicka</td>
<td></td>
</tr>
<tr>
<td>Briana Karen Wise</td>
<td></td>
</tr>
<tr>
<td>Lauren Zancewicz</td>
<td></td>
</tr>
</tbody>
</table>
Doctor of Nursing Practice
Stephanie M. Colman-Brochu *
Mary Margaret Fortunato-Habib *
Kathleen Marie Kasper *

PhD in Nursing

Akwasi Agyemang Duah
Mentor: Donna J. Perry, PhD, RN
Dissertation: Lived Experience of Caregivers of Relatives with Alcohol and Opiate Dependence

Helen M. Flaherty *
Mentor: Jean E. Boucher, PhD, RN, ANP-BC, AOCNP
Dissertation: Informal Caregivers’ Experience During Acute Exacerbation of COPD in Older Adults

Stephanie Alisha Griggs *
Mentor: Carol A. Bova, PhD, RN, ANP
Dissertation: The Relationship between Hope, Core Self-Evaluations, Emotional Well-Being, Sexual Risk-Taking, Substance Use and Academic Performance in Freshman University Students

Michele Kennedy Griswold *
Mentor: Donna J. Perry, PhD, RN
Dissertation: Experiences of Racism and Breastfeeding Initiation and Duration among First-Time Mothers of the Black Women's Health Study

Nancy C. O’Rourke
Mentor: Nancy S. Morris, PhD, ANP-BC
Dissertation: Political Efficacy and Participation of Nurse Practitioners

Susan O’Hara Sullivan *
Mentor: Donna J. Perry, PhD, RN
Dissertation: Macrocognition in the Health Care Built Environment (m-HCBE): A Focused Ethnographic Study of ‘Neighborhoods’ in a Pediatric Intensive Care Unit

*Sigma Theta Tau International Nursing Honor Society

Rural Health Scholars Pathway

Pathway students, selected after a competitive application process, are responsible for completing additional curricular requirements above-and-beyond their degree program.

Kathryn Romaine Crawford is being hooded by her husband, School of Medicine graduate Benjamin Colby Crawford; Krystina Mary Habib is being hooded by her mother, PhD graduate Mary Margaret Fortunato-Habib; and Mary Margaret Fortunato-Habib, by her daughter, MS graduate Krystina Mary Habib.
Award Recipients

CHANCELLOR’S AWARD
Mary Margaret Fortunato-Habib

DEAN’S AWARD FOR OUTSTANDING SCHOLARSHIP
Stephanie Alisha Griggs

MARY K. ALEXANDER ACADEMIC ACHIEVEMENT AND LEADERSHIP AWARD
Kaileigh Lavin

ACADEMIC ACHIEVEMENT AND LEADERSHIP AWARD
Melanie Ann Faust

OUTSTANDING NURSE PRACTITIONER STUDENT IN CRITICAL CARE AWARD
Sarina Kimball

JANET MCCUE MAGNER AWARD
Emily C. Howieson

MARY KINNEAR RAYMOND AWARD
Kimberly Lyn Marsh

LUCIE D. RUSSELL BRIEFCASE AWARD
Kasia S. Dodman
Hilary Marie Dulin
Caille Louise Souza
Graduate School of Biomedical Sciences

Please note: Students are hooded in groups according to their mentors. See page 11 for the order of hooding.

Master of Science in Clinical Investigation

Melissa L. Anderson  
Mentor: Douglas M. Ziedonis, MD, MPH  
Dissertation: Barriers and Facilitators to Deaf Trauma Survivors’ Help-Seeking Behavior: Lessons for Behavioral Clinical Trials Research

Patricia Anne McQuilkin, MD  
Mentor: Ann M. Moormann, PhD, MPH  
Dissertation: Characterization of Severe Malaria in Liberian Children 5 Years Old and Younger

Charles Michael Psoinos, MD  
Mentor: Heena Pravin Santry, MD  
Dissertation: Predictors of Post-Injury Mortality in Elderly Patients with Trauma

Doctor of Philosophy

Daniel John Amante  
Mentor: David M. Harlan, MD  

Navonil Banerjee  
Mentor: Michael M. Francis, PhD  
Dissertation: Temporal Organization of Behavioral States Through Local Neuromodulation in C. elegans

Bianca Lana Bautista  
Mentor: Susan L. Swain, PhD  
Dissertation: The Role of Late Antigen in CD4 Memory T Cell Formation During Influenza Infection

Robin Leigh Brese  
Mentor: Paul R. Clapham, PhD  
Dissertation: Tissue Compartmentalization and Tropism of HIV-1

Thomas C. Burdett  
Mentor: Marc R. Freeman, PhD  
Dissertation: Axon Death Pathways Converge on Axed to Promote Axon Disassembly

Stephen Matthew Carpenter  
Mentor: Samuel M. Behar, MD, PhD  
Dissertation: Memory CD8+ T Cell Function during Mycobacterium Tuberculosis Infection

Michael Ian Carr  
Mentor: Stephen N. Jones, PhD  
Dissertation: The Role of MDM2 Phosphorylation in P53 Responses to DNA Damage and Tumor Suppression

Sourav Roy Choudhury  
Mentor: Miguel Sena-Esteves, PhD  
Dissertation: Developing an Adeno-Associated Viral Vector (AAV) Toolbox for CNS Gene Therapy

Matthew Robert Costa  
Mentor: Shan Lu, MD, PhD  
Dissertation: FC Receptor-Mediated Activities of Env-Specific Monoclonal Antibodies Generated from Human Volunteers Receiving a DNA Prime-Protein Boost HIV Vaccine

Jennifer Lynne Cotton  
Mentor: Junhao Mao, PhD  
Dissertation: Requirement and Function of Hippo Pathway Signaling in the Mammalian Gastrointestinal Tract
Sezin Dagdeviren  
**Mentor: Jason K. Kim, PhD**  
**Dissertation:** The Effects of Interleukin-10 on Skeletal Muscle Insulin Resistance and Myogenesis

Melissa Guildford Derner  
**Mentor: Andrew R. Tapper, PhD**  
**Dissertation:** Sex, Drugs, and Rodent Reward: An Exploration of the Sex-Specific Roles of Nicotinic Acetylcholine Receptors in Ethanol Reward

Laura Marie Deveau  
**Mentor: Francesca Massi, PhD**  
**Dissertation:** Characterizing the Disorder in Tristetraprolin and Its Contribution to Post-Transcriptional Gene Regulation

Tyler Wayne Doughty  
**Mentor: Jennifer A. Benanti, PhD**  
**Dissertation:** Levels of Ycg1 Limit Condensin Function During the Cell Cycle

Michelle Lynne Dubuke  
**Mentor: Mary Munson, PhD**  
**Dissertation:** The Exocyst Subunit Sec6 Interacts with Assembled Exocytic SNARE Complex

Caroline Mary Duffy  
**Mentor: Brian Anthony Kelch, PhD**  
**Dissertation:** Structural Mechanisms of the Sliding Clamp and the Sliding Clamp Loader: Insights Into Disease and Function

Glen Ray Gallagher  
**Mentor: Robert W. Finberg, MD**  
**Dissertation:** Viruses Implicated in the Initiation of Type 1 Diabetes Affect β Cell Function and Antiviral Innate Immune Responses

Diane Lynn Golebiowski  
**Mentor: Miguel Sena-Esteves, PhD**  
**Dissertation:** Overcoming Toxicity from Transgene Overexpression Through Vector Design in AAV Gene Therapy for GM2 Gangliosidoses

Alisha Marie Gruntman  
**Mentor: Terence R. Flotte, MD**  
**Dissertation:** A Translational Pathway for Recombinant Adeno-Associated Virus Human Gene Therapy: From Target Identification and Animal Modeling of the Disease to Non-Human Primate and Human Studies

Dwijit Guha Sarkar  
**Mentor: Miguel Sena-Esteves, PhD**  
**Dissertation:** A Walk on the Fine Line between Reward and Risk: AAV-IFN-beta Gene Therapy for Glioblastoma

Ting-Hao Huang  
**Mentor: Carlos Lois, MD, PhD**  
**Dissertation:** A Synthetic Genetic System to Investigate Brain Connectivity and Genetically Manipulate Interacting Cells

Yung-Chi Huang  
**Mentor: Mark Alkema, PhD**  
**Dissertation:** Behavioral and Functional Analysis of a Calcium Channelopathy in Caenorhabditis elegans

Chien-Min Hung  
**Mentor: David A. Guertin, PhD**  
**Dissertation:** mTORC2 Promotes Lipid Storage and Suppresses Thermogenesis in Brown Adipose Tissue in Part Through AKT-Independent Regulation of FOXO1

Hui-Fang Hung  
**Mentor: Stephen J. Doocey, PhD**  
**Dissertation:** Roles of the Mother Centriole Appendage Protein Cenexin in Microtubule Organization During Cell Migration and Cell Division

Li Jiang  
**Mentor: Daniel N. Bolon, PhD**  
**Dissertation:** Systematic Experimental Determination of Functional Constraints on Proteins and Adaptive Potential of Mutations

Hatem Elif Kamber  
**Mentor: Andreas Bergmann, PhD**  
**Dissertation:** Regulation of the Drosophila Initiator Caspase Dronc Through Ubiquitylation
Ebru Kaymak  
Mentor: Sean P. Ryder, PhD  
Dissertation: Understanding the Sequence-Specific and RNA Target Recognition Properties of the Oocyte Maturation Factor, OMA-1, in Caenorhabditis elegans

Sara Lynn Lewandowski  
Mentor: Chinmay M. Trivedi, MD, PhD  
Dissertation: Histone Deacetylase 3 Coordinates Heart Development Through Stage-Specific Roles in Cardiac Progenitor Cells

Yihang Li  
Mentor: Vivian Budnik, PhD  
Dissertation: Mechanisms of Synaptic Development and Premature Aging in Drosophila

Kuan-Hung Lin  
Mentor: Celia A. Schiffer, PhD  
Dissertation: Viral Proteases as Drug Targets and the Mechanisms of Drug Resistance

Shao-Hsien Liu  
Mentor: Kate L. Lapane, PhD  
Dissertation: Impact of Intra-Articular Injection Use on Patient-Reported Outcomes Among Patients with Knee Osteoarthritis

Leyuan Ma  
Mentor: Michael R. Green, MD, PhD  
Dissertation: Targeting Drug Resistance in Chronic Myeloid Leukemia

Timothy David Matheson  
Mentor: Paul D. Kaufman, PhD  
Dissertation: CAF-1 p150 and Ki-67 Regulate Nuclear Structure Throughout the Human Cell Cycle

So Yun Min  
Mentor: Silvia Corvera, MD  
Dissertation: The Origin of Human White, Brown and Brite/Beige Adipocytes

Minwoo Nam  
Mentor: John F. Keaney, MD  
Dissertation: Role of Energy Metabolism in the Thermogenic Gene Program

Samantha Grace Palace  
Mentor: Jon D. Goguen, PhD  
Dissertation: Plague and the Defeat of Mammalian Innate Immunity: Systematic Genetic Analysis of Yersinia Pestis Virulence Factors

Victoria Elizabeth Pedanou  
Mentor: Michael R. Green, MD, PhD  
Dissertation: Identification of Novel Pathways That Promote Anoikis Through Genome-Wide Screens

Debra Ann Ragland  
Mentor: Celia A. Schiffer, PhD  
Dissertation: More Than Compensatory: The Structural Basis of Drug Resistance in the HIV-1 Protease

Emily Sarah Christine Rittershaus  
Mentor: Christopher M. Sassetti, PhD  
Dissertation: Identification of Essential Metabolic and Genetic Adaptations to the Quiescent State in Mycobacterium Tuberculosis

Ozlem Senol-Cosar  
Mentor: Michael P. Czech, PhD  
Dissertation: A Role for TNMD in Adipocyte Differentiation and Adipose Tissue Function

Meetu Seth  
Mentor: Craig C. Mello, PhD  
Dissertation: Functions of Argonaute Proteins in Self Versus Non-Self Recognition in the C. elegans Germline

Sally Elizabeth Trabucco  
Mentor: Hong Zhang, PhD  
Dissertation: The Smurf2-YY1-C-Myc Axis in the Germinal Center Reaction and Diffuse Large B Cell Lymphoma

Jennifer Joy VanOudenhove  
Mentor: Gary S. Stein, PhD  
Dissertation: Mechanisms Regulating Early Mesendodermal Differentiation of Human Embryonic Stem Cells

Jessica Leigh Weatherbee  
Mentor: Alonzo H. Ross, PhD  
Dissertation: Exploiting DNA Repair and ER Stress Response Pathways to Induce Apoptosis in Glioblastoma Multiforme
Sijia Wu  
*Mentor: Haley E. Melikian, PhD*  
**Dissertation:** **Novel Mechanisms Regulating Dopamine Transporter Endocytic Trafficking: ACK1-Controlled Endocytosis and Retromer-Mediated Recycling**

Joseph Chrispin Yawe  
*Mentor: Michael P. Czech, PhD*  
**Dissertation:** **Macrophages Are Regulators of Whole Body Metabolism**

**Award Recipients**

**Chancellor’s Award**  
Kasmir Ramo

**Dean’s Award for the Most Insightful Doctoral Thesis Research**  
Hatem Elif Kamber  
Yihang Li

**Order of Hooding**

**Doctor of Philosophy**

Daniel John Amante  
Nauonil Banerjee  
Stephen Matthew Carpenter  
Sourav Roy Choudhury  
Jennifer Lynne Cotton  
Sezin Dagdeviren  
Melissa Guildford Derner  
Laura Marie Deveau  
Michelle Lynne Dubuke  
Caroline Mary Duffy  
Alisha Marie Gruntman  
Yung-Chi Huang  
Hui-Fang Hung  
Li Jiang  
Hatem Elif Kamber  
Ebru Kaymak  
Yihang Li  
Kuan-Hung Lin  
Shao-Hsien Liu  
Timothy David Matheson  
Minwoo Nam  
Samantha Grace Palace  
Emily Sarah Christine Rittershaus  
Ozlem Senol-Cosar  
Joseph Chrispin Yawe  
Meetu Seth  
Sally Elizabeth Trabucco  
Jessica Leigh Weatherbee  
Sijia Wu  
Ting-Hao Huang  
Sara Lynn Lewandowski  
Leyuan Ma  
Victoria Elizabeth Pedanou  
Jennifer Joy VanOudenhove
School of Medicine
Graduate School of Biomedical Sciences

Doctor of Medicine/Doctor of Philosophy

Thomas Edward Akie
Mentor: Marcus P. Cooper, MD
Dissertation: Regulation of Metabolism by Hepatic OxPhos

Joshua TsuKang Chang
Mentor: David Paydarfar, MD
Dissertation: Flipping Biological Switches: Solving for Optimal Control

Natasha Hannah Dolgin
Mentors: Adel Bozorgzadeh, MD and Fredrick Anderson, PhD
Dissertation: Frailty and Outcomes in Liver Transplantation

Caitlin Elizabeth Fogarty
Mentor: Andreas Bergmann, PhD
Dissertation: Death Is Not the End: A Role for Extracellular ROS in Driving Apoptosis-Induced Proliferation in Drosophila melanogaster

Gillian Jean Griffith
Mentor: Robin E. Clark, PhD
Dissertation: Contraceptive Utilization and Downstream Feto-Maternal Outcomes for Women with Substance Use Disorders

Anouchy Matevossian
Mentor: Michael P. Czech, PhD
Dissertation: Endothelial-Driven Inflammation in Metabolic Disease

Gregory Michael Orlowski
Mentor: Kenneth L. Rock, MD
Dissertation: Cathosis: Cathepsins in Particle-Induced Inflammatory Cell Death

Brian Joseph Quattrochi
Mentor: Brian Lewis, PhD
Dissertation: Subtle Controllers: MicroRNAs Drive Pancreatic Tumorigenesis and Progression

Kasmir Ramo
Mentor: Roger J. Davis, PhD
Dissertation: Jun Kinases in Hematopoiesis, and Vascular Development and Function

Order of Hooding
Thomas Edward Akie
Brian Joseph Quattrochi
Natasha Hannah Dolgin
Joshua TsuKang Chang
Caitlin Elizabeth Fogarty
Gillian Jean Griffith
Anouchy Matevossian
Gregory Michael Orlowski
Kasmir Ramo
School of Medicine

Doctor of Medicine

BLACKSTONE HOUSE

Mentor: Michael Ennis, MD
Head of House

Zachary Christo Demma
Jennifer Ellen Fishbein
Joshua Harris Litchman
Christian M. Rose
Valerie Joy Valant

Mentor: Sonia Nagy Chimienti, MD

Leah DeCoste
Sarah J. Fine
Casey Hamilton *
Jennifer Marie Kane *
Jacob Mathew Koshy b
Caroline Jane Royer gab
Katherine Michele Tang
Justin Uaida g

Mentor: William (Jerry) A. Durbin, MD

Jeffrey Martin Brady *g
Emily Howe
Gregory Edward Keehe *
Daniel Patrick Lindstrom
Nicholas A. Lunig *
Hazel Linn Marecki
Noreen Chioma Okwara ga
Rachel Patel ga

Mentors: Cynthia A. Ennis, DO
Joyce S. Rosenfeld, MD
Guyu Du
Omar Hadzipasic c
Kasey Meagan Hebert g
Geeda Michelle Houranieh *g
Sae Jin John Oh c

Justing David Pespisa g
Julia Arons Siegel ga
Rayna Lin Trietsch
Amrit Udyanath Vinod *

Mentors: Sharmilee Bansal Korets, MD
Hugh J. Silk, MD
Rebecca Spanagel, MD
No graduates in 2017

BURNCOAT HOUSE

Mentor: David S. Hatem, MD
Head of House

Rebecca Katherine Angoff *
Samuel Goldman
Sydney Beth Greenberg g
Natalia Kyriazidis
Shakti Aishwarya Nochur
Elizabeth Dahlee Yuan

Mentor: Jennifer Austin Bram, MD

Caroline Bancroft
Gregory Harkins Foos *
Ella Kiperuasser
Matthew Ross Spring *
Mentor: Lisa Gussak, MD

Jasmine Anil Khubchandani *
Wei-Che C. Ko
Theodore Wong Mooncai c
Bowen Qiu
Vanessa Ethel Rooney
Elizabeth Ann Rosen gb
Caroline Yang

Mentors: Matthew E. McGuinness, MD, MEd
Jennifer Dunbar Moodie, MD
Peggy W. Wu, MD
No graduates in 2017
ÇKELLEY HOUSE

Mentor: Phillip Fournier, MD
Head of House
Elizabeth Baratta
Dinah Rashele Gorelik
Yeugeniya Harrington
Jeffrey C. Larnard
Naomi Elka Malam
Jonathan Eitan Miller *
Diana Kang Ong
Xingyue Wang

Mentor: Angela Beeler, MD
Rebecca Jean Droms
Michael Patrick Flynn
Sarah Hoffman Fulco
Mark Andrew Fusunyan *
Rachel LeBlanc
Patrick Lockhart McGuire *
Simona Nedelcu

Mentor: James B. Broadhurst, MD
Solange Bayard ga
Geneva Anne DeGregorio *c
Angela L. Landerholm
Christopher Patrick Libby
Bailey Gill McGuinness
James Barrett Nightingale II
Jeremy David Vincent

Mentor: Sarah McGee, MD
Modupeola Diyaolu
David McCarthy
Sarah Elizabeth McGowan
Abtin Shahanaghi
Kathleen Elizabeth Singer
Molly Amory Storer *
Taylor Robert Young

QUINSIGAMOND HOUSE

Mentor: Diane R. Blake, MD
Head of House
Mary Patricia Cavanaugh *
Max Devon Hazeltine
Jessica Rose Long g
Martha Ellen Luitje
Tyler James Mehegan *
Haley McNulty Newman ga
Michael George Noujaim

Mentor: Erin E. Barlow, MD
Aqib Farrakh Chaudhry
Benjamin Colby Crawford *c
Christina Anastasia Kunycky
Kristen Richard
Alyse Wheelock a
Andrew James Wilbur *a
Lauren Elizabeth Woo b

Mentor: Glenn R. Kershaw, MD
Cecilia Magdalena Bahamón a
John Andrew Bostrom a
Dongqi Liu
Diandra Marie Lucia
Courtney Marie Temple g
Eric James Wilsterman, Jr.

Mentor: W. Peter Metz, MD
Cassandra Ann Doucet
Andrew Dowd g
Robert Andrew Martin
Adriana Maria Polisano
Michaela Sara Tracy

Mentor: David A. Kane, MD
No graduates in 2017
TATNUCK HOUSE

Mentor: Pang-Yen Fan, MD
Head of House

Molly Anne Cook gb
Michelle Lynne Gillespie
Lev Gorjinkis *
Michael Joseph Maddaleni, Jr.
Euan Elizabeth Pagano
John C. Sooy, Jr.

Mentor: Nancy E. Bennet, MD

David Matthew Balyozian
Arielle Ann Filiberti b
Nicole J. Koulisis a
Sara Margalit Rosenbaum *
Daniel Laurence Warden
Joseph Russell Young

Mentor: Timothy Gibson, MD

Patrick José Alvarado
Hannah Abigail Hoerner a
Viswanath Ramaswamy

Kate J. Stanton
Mentor: Thomas F. Halpin, MD

Tedi Begaj *
Alexander Paul Boardman *c
Jorge Finke g
Aimee Collette Kobjack b
Thanh Thu Ngo a
Minh Phan

Mentor: Christine O. MacGinnis, DO

No graduates in 2017

BRIGHTWOOD HOUSE

UMMS-Baystate Health, Springfield, MA
Established 2016

Mentors: Samuel Huntington Borden, MD
Eric Churchill MD, MPH, MSc
Elizabeth Eagleson, MD
Jacqueline Wu, MD

No graduates in 2017

* Alpha Omega Alpha Honor Medical Society — recognition for academic achievement

a Global Health Pathway

b Rural Health Scholars Pathway

c Clinical and Translational Research Pathway

Pathway students, selected after a competitive application process, are responsible for completing additional curricular requirements above-and-beyond their four-year medical degree program.

The following graduates are being hooded by faculty family members: Rebecca Katherine Angoff, by her mother Christine Angoff, in loving memory of her father Richard H. Angoff, MD; Solange Bayard, by her father Kern Jean Bayard, MD; Benjamin Colby Crawford, by his wife Kathryn Romaine Crawford; Arielle Ann Filiberti, by her father Allan W. Filiberti, MD; Sara J. Fine, by her parents Robert W. Finberg, MD, and Joyce D. Fingeroth, MD; Sydney Beth Greenberg, by her father Elliot B. Greenberg, MD; Jacob Mathew Koshy, by his mother-in-law Dolly Geeverghese, MD; Dianandra Marie Lucia, by her husband James A. Ashley, PhD; Caroline Jane Royer, by her father William E. Royer, Jr., PhD; Rayna Lin Trietsch, by her father Howard G. Trietsch, MD; and Joseph Russell Young, by his father Edwin Russell Young, DO.
Student Award Recipients

Chancellor’s Award
Geneva Anne DeGregorio

The Leonard Tow Humanism in Medicine Award
presented by The Arnold P. Gold Foundation
Jessica Rose Long

John S. Efstathiou Memorial Award
Casey Hamilton
Nicholas A. Lunig
Patrick Lockhart McGuire
Tyler James Mehegan
Katherine Michele Tang
Courtney Marie Temple
Michaela Sara Tracy

Kristen M. Ettensohn Memorial Award for Medical Excellence through Advocacy, Art and Athletics
Valerie Joy Valant

Ann Nemitz Memorial Award
Molly Anne Cook
Gillian Jean Griffith

Sarah L. Stone Memorial Award
Sydney Beth Greenberg

Gary D. Winzelberg, MD ’74, Memorial Award
Zachary Christo Demma

Jacob Brem Pediatric Award
Michaela Sara Tracy

Marianne Felice Adolescent Health Award
Kate J. Stanton

Aaron Lazare Award for Psychiatry
Mark Andrew Fusunyan
Taylor Robert Young

Department of Medicine Award: Outstanding Performance in Medicine
Geneva Anne DeGregorio

Department of Medicine Award: Outstanding Clinical Performance in Medicine
Rachel LeBlanc

Department of Neurology Award: Distinction in the Study of Neurology
Simona Nedelcu

Excellence in Obstetrics & Gynecology Award
Christina Anastasia Kunycky

UMass Surgical Society Award for Excellence in Student Clinical Performance
Gregory Edward Keeffe

UMass Surgical Society Award for Excellence in Surgical Education
Jeffrey Martin Brady

Association of Academic Surgery Student Research Award
Jasmine Anil Khubchandani

Excellence in Public Health Award
Jessica Rose Long

New England Pediatric Society Award
Lev Gorfinkel

Society for Academic Emergency Medicine Excellence in Emergency Medicine Award
Courtney Marie Temple

Massachusetts Medical Society Scholars Award for Academic Excellence
Jorge Finke
Jessica Rose Long
Michael George Noujaim
Courtney Marie Temple
AMERICAN MEDICAL WOMEN’S ASSOCIATION AWARD

Rebecca Katherine Angoff
Mary Patricia Cavanaugh
Geneva Anne DeGregorio
Cassandra Ann Doucet
Geeda Michelle Houranieh
Jennifer Kane
Jasmine Anil Khubchandani
Haley McNulty Newman

Euan Elizabeth Pagano
Kristen Richard
Sara Margalit Rosenbaum
Molly Amory Storer
Katherine Michele Tang
Courtney Marie Temple
Michaela Sara Tracy
Elizabeth Dahlee Yuan

Faculty Award Recipients

THE LEONARD TOW HUMANISM IN MEDICINE AWARD
Babak Movahedi, MD, PhD

OUTSTANDING CLINICAL MEDICAL EDUCATORS
Mitchell A. Cahan, MD
Frank J. Domino, MD
William (Jerry) A. Durbin, MD
Pang-Yen Fan, MD
Susan B. Gagliardi, PhD
Timothy Gibson, MD
Vijay K. Vanguri, MD

OUTSTANDING HOUSE OFFICERS
Brandon E. Coluin, MD
Michael R. Gagnier, MD
Gregory Leslie, MD
Marcus U. Ortega, MD

Class Gift

At UMass Medical School, it is an annual tradition for the graduating class to leave a legacy for those who follow them. The School of Medicine Class of 2017 has chosen to honor their educational experience by sponsoring the white coats that members of the Class of 2021 will receive at their White Coat Ceremony in September to mark the beginning of their medical journey. This gift links the shared destiny of our alumni and future medical students. The Class Gift is a very special way to begin a lifelong tradition of giving back to UMass Medical School. We express our sincere gratitude to those students who generously contributed to the 2017 Class Gift Campaign.
Oath of the School of Medicine Class of 2017

At the end of their second year of classes, when students have been in clinical settings and had time to reflect on what it means to be a physician, they compose an oath to define the “essential principles they wish to live by as physicians.”

May I walk into each patient’s room with fresh eyes and worn soles.

May I bear in mind that my patients’ health includes their social, psychological and spiritual well-being.

May I provide treatment through education as well as intervention.

May I give care to complement the work my patients already do to sustain themselves.

May I acknowledge that my privilege as a physician could cause me to overlook others’ hardships.

May I utilize my position in society to make health sustainable for my community.

May I be cautious of convention and hone my craft with the spark of innovation.

May I appreciate that my knowledge is the endowment of my predecessors, and may I add my own discoveries.

May I respect my patients’ decisions even if they would not be my own.

May I find inspiration in the woven threads that make up my patients’ lives.

May I have the courage to voice my mistakes and be supportive of others in the same endeavor.

May I recognize that collaboration with my colleagues may be in my patients’ best interest.

May I have the humility to ask for help.

May I seek an arrangement of work and life that enriches both.

Presented at the Second Year Oath Ceremony on March 4, 2015.
Oath of Maimonides

Thy eternal providence has appointed me to watch over the life and health of my fellow human beings. May the love for my art actuate me at all times; may neither avarice nor miserliness, nor thirst for glory, or for great reputation engage my mind; for the enemies of truth and philanthropy could easily deceive me and make me forgetful of my lofty aim of doing good to my patients. May I never see in the patient anything but a fellow creature in pain. Grant me strength, time and opportunity, always to correct what I have acquired, always to extend its domain; for knowledge is immense and the spirit of man can extend infinitely to enrich itself daily with new requirements. Today we can discover our errors of yesterday, and tomorrow we may obtain a new light on what we think ourselves sure of today.

I have been appointed to watch over the life and death of my fellow human beings. Here am I ready for my vocation, and now I turn unto my calling.
University of Massachusetts Worcester Mace

The University of Massachusetts Worcester mace was designed, etched and milled in 2010 by machine technology students from Worcester Technical High School, under the guidance of their faculty members Michael Hurley and Brian Cummings.

Symbols of authority and power, maces were originally hand weapons designed for use against armor. Topped by a brass finial, the University of Massachusetts Worcester mace has the University Seal etched in brass and framed by mahogany-stained cedar as a focal point. Below the seal, and offset by Corian disks, is a brass hexagon engraved on three sides with the names of the three University of Massachusetts Worcester schools – School of Medicine, Graduate School of Biomedical Sciences and Graduate School of Nursing. All of this sits atop a four-foot cedar staff. Materials for the mace were donated by local businesses.

The mace is traditionally borne by a distinguished faculty member, this year, by Deborah Harmon Hines, PhD, 2016 recipient of the Chancellor’s Award for Distinguished Service.

Academic Costume

The style of academic dress most frequently worn in the United States dates back to colonial times and is heavily influenced by European practices and styles. It was formally adopted near the end of the 19th century, when it was chosen as appropriate attire by the American Intercollegiate Commission. It has remained the general standard in America since, although some variations occur at individual institutions.

Doctoral gowns are traditionally black and carry three velvet bands around each sleeve above the elbow. Increasingly, American universities have adopted their own color for their doctoral gowns. Hoods are the most distinctive feature of American academic dress. They are lined with the colors of the institution awarding the degree and faced with the color designating the degree awarded. Thus, the procession can resemble a rainbow of colors. The soft velvet tam is the preferred style of cap worn with the doctor’s gown.

Among the academic institutions represented by our faculty today are Boston College, Boston University, Brandeis, Brown, Cambridge, College of the Holy Cross, Columbia, Florida International, Harvard, Johns Hopkins, Kent State, King’s College London, McGill, Michigan State, Mt. Sinai School of Medicine, New York Medical College, Stanford, Tufts, Weill Cornell Medical College, Yale, and the universities of California, Cincinnati, Florida, Maryland, Nebraska, New England, New York, Rhode Island, and Utah.

The hoods of our graduates are lined with maroon and white, signifying the University of Massachusetts, and faced with apricot for nursing, blue for philosophy and green for medicine. Faculty hood colors again represent institutions across the country and around the world.
University of Massachusetts
Board of Trustees

James R. Buonomo of Shrewsbury
Mary L. Burns of Lowell
Edward W. Collins, Jr. of Springfield, Vice Chair
Kevin F. Delaney of Walpole*
Robert Epstein of Boston
Pantea Fatemi Ardestani of Mission Viejo, CA*
Philip A. Feinberg of Ardsley, NY*
David G. Fubini of Boston
Maria D. Furman of Wellesley, Vice Chair
Philip W. Johnston of Marshfield
Robert J. Manning of Swampscott, Chair
Michael V. O’Brien of Southborough
Joshua S. Odam of Brooklyn, NY*
Kerri Osterhaus-Houle, MD, of Hudson
Imari K. Paris Jeffries of Boston
R. Norman Peters, JD, of Paxton
James A. Peyser of Milton
Malinda E. Reed of Lowell*
Elizabeth D. Scheibel of South Hadley
Henry M. Thomas III, JD, of Springfield
Victor Woolridge of Springfield
Charles F. Wu of Newton

*Student Trustee
University of Massachusetts Medical School

Named Professorships and Recipients

Endowed chairs and professorships established through the generosity of individuals, families, trusts and foundations play a key role in the future success and growth of an academic institution. These cherished faculty positions help attract and retain distinguished teachers, scientists, scholars and clinicians, who are among the most outstanding in their fields. Through such concrete and visible expressions of support, benefactors help the University fulfill its mission, and those faculty chosen to hold these positions are proud to participate in the Commencement ceremony, identified by medallions suspended from maroon ribbons.

Harry M. Haidak Professorship in Surgery
Demetrius E. M. Litwin, MD, MBA

Celia and Isaac Haidak Professorship in Medical Education
Terence R. Flotte, MD

Richard M. Haidak Professorship in Medicine
Robert W. Finberg, MD

Irving S. and Betty Brudnick Chair in Psychiatry
Anthony J. Rothschild, MD

William and Doris Krupp Professorship in Medicine
David M. Harlan, MD

Dr. John Meyers Professorship in Primary Care Medicine
Jerry H. Gurwitz, MD

George F. Booth Chair in the Basic Sciences
George B. Witman III, PhD

Eleanor Eustis Farrington Chair in Cancer Research
Recipient to be selected

Arthur M. Pappas, MD, Chair in Orthopedics
David C. Ayers, MD

H. Arthur Smith Chair in Cancer Research
Roger J. Davis, PhD

Vitold Arnett Professorship in Cell Biology
Thorup Pederson, PhD

Edward Budnitz, MD, Professorship in Cardiovascular Medicine
Joel M. Gore, MD

David J. Freelander Professorship in AIDS Research
Jeremy Luban, MD

Gerald L. Haidak, MD, and Zelda S. Haidak Professorship in Cell Biology
Allan S. Jacobson, PhD

Lambi and Sarah Adams Chair in Genetic Research
Michael R. Green, MD, PhD

Barbara and Nathan Greenberg Chair in Biomedical Research
Recipient to be selected

Gladys Smith Martin Chair in Oncology
Recipient to be selected

Barbara Helen Smith Chair in Preventive and Behavioral Medicine
Judith K. Ockene, PhD

Higgins Family Professorship in Neuroscience
Steven M. Reppert, MD

David J. and Barbara D. Milliken Professorship in Preventive Cardiology
Ira S. Ockene, MD

Arthur F. and Helen P. Koskinas Professorship in Biochemistry and Molecular Pharmacology
C. Robert Matthews, PhD

Blais University Chair in Molecular Medicine
Craig C. Mello, PhD

Robert M. and Shirley S. Siff Chair in Autism
Jean A. Frazier, MD
The University of Massachusetts Medical School, one of five campuses of the University system, comprises the School of Medicine, the Graduate School of Biomedical Sciences, the Graduate School of Nursing, a thriving research enterprise and an innovative public service initiative, Commonwealth Medicine. Its mission is to advance the health of the people of the commonwealth through pioneering education, research, public service and health care delivery with its clinical partner, UMass Memorial Health Care. In doing so, UMass Medical School has built a reputation as a leader in primary care education and a world-class research institution.

In 2006, UMass Medical School professor Craig C. Mello, PhD, Howard Hughes Medical Institute Investigator and the Blais University Chair in Molecular Medicine, was awarded the Nobel Prize in Physiology or Medicine, along with colleague Andrew Z. Fire, PhD, of Stanford University, for their discoveries related to RNA interference (RNAi).

The 2013 opening of the Albert Sherman Center ushered in a new era of biomedical research and education on campus. Designed to maximize collaboration across fields, the Sherman Center is home to scientists pursuing novel research in emerging scientific fields with the goal of translating new discoveries into innovative therapies for human diseases.
In case of emergency, enter the closest building unless otherwise instructed.