<table>
<thead>
<tr>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processional</td>
<td>Platform Participants, Graduands and Representatives of the Faculty</td>
</tr>
<tr>
<td>Welcome &amp; Introductions</td>
<td>Fredric B. Meyer, M.D.</td>
</tr>
<tr>
<td>Honorary Degree</td>
<td>John H. Noseworthy, M.D.</td>
</tr>
<tr>
<td></td>
<td>Fredric B. Meyer, M.D.</td>
</tr>
<tr>
<td></td>
<td>L. James Maher III, Ph.D.</td>
</tr>
<tr>
<td>Commencement Address</td>
<td>Robert J. Lefkowitz, M.D.</td>
</tr>
<tr>
<td>Comments by the Dean of Biomedical Sciences</td>
<td>L. James Maher III, Ph.D.</td>
</tr>
<tr>
<td>Student Address</td>
<td>Olumide Kayode</td>
</tr>
<tr>
<td>Mayo Clinic Graduate School of Biomedical Sciences</td>
<td>Class of 2017</td>
</tr>
<tr>
<td>Conferring of Degrees</td>
<td>Bruce F. Horazdovsky, Ph.D.</td>
</tr>
<tr>
<td>Mayo Clinic Graduate School of Biomedical Sciences</td>
<td>Kendall H. Lee, M.D., Ph.D.</td>
</tr>
<tr>
<td></td>
<td>Joseph C. Loftus, Ph.D.</td>
</tr>
<tr>
<td></td>
<td>L. James Maher III, Ph.D.</td>
</tr>
<tr>
<td>Student Advisors</td>
<td>Student Advisors</td>
</tr>
<tr>
<td>Conferring of Degrees</td>
<td>Nora Ali</td>
</tr>
<tr>
<td>Mayo Clinic School of Medicine</td>
<td>Class of 2017</td>
</tr>
<tr>
<td>Concluding Remarks</td>
<td>Fredric B. Meyer, M.D.</td>
</tr>
<tr>
<td>Recessional</td>
<td>Processional and Recessional: Cameo String Quartet</td>
</tr>
<tr>
<td></td>
<td>Reception Immediately Following Ceremony</td>
</tr>
<tr>
<td></td>
<td>Mayo Civic Center Suites 102-105</td>
</tr>
<tr>
<td></td>
<td>Grand Lobbies South and West</td>
</tr>
</tbody>
</table>
ROBERT J. LEFKOWITZ, M.D.
Honorary Degree Recipient
Nobel Laureate
James B. Duke Professor of Medicine
Professor of Biochemistry and Chemistry
Duke University Medical Center
Durham, North Carolina

JOHN H. NOSEWORTHY, M.D.
President and CEO
Mayo Clinic
Professor of Neurology
Mayo Clinic College of Medicine and Science

FREDRIC B. MEYER, M.D.
Executive Dean for Education
Mayo Clinic College of Medicine and Science
Dean
Mayo Clinic School of Medicine
Professor of Neurosurgery
Mayo Clinic College of Medicine and Science

L. JAMES MAHER III, Ph.D.
Dean
Mayo Clinic Graduate School of Biomedical Sciences
Professor of Biochemistry and Molecular Biology
Mayo Clinic College of Medicine and Science

J. MICHAEL BOSTWICK, M.D.
Senior Associate Dean for Admissions
Mayo Clinic School of Medicine
Professor of Psychiatry
Mayo Clinic College of Medicine and Science

BRUCE F. HORAZDOVSKY, Ph.D.
Associate Dean
Mayo Clinic Graduate School of Biomedical Sciences
Associate Professor of Biochemistry and Molecular Biology
Mayo Clinic College of Medicine and Science

KENDALL H. LEE, M.D., Ph.D.
Director
Medical Scientist Training Program
Professor of Neurosurgery and Physiology
Mayo Clinic College of Medicine and Science

JOSEPH C. LOFTUS, Ph.D.
Assistant Dean - Arizona
Mayo Clinic Graduate School of Biomedical Sciences
Professor of Biochemistry and Molecular Biology
Mayo Clinic College of Medicine and Science

DARCY A. REED, M.D., M.P.H.
Senior Associate Dean for Academic Affairs
Mayo Clinic School of Medicine
Associate Professor of Medical Education and Medicine
Mayo Clinic College of Medicine and Science

ALEXANDRA P. WOLANSKYJ, M.D.
Senior Associate Dean for Student Affairs
Mayo Clinic School of Medicine
Associate Professor of Medicine
Mayo Clinic College of Medicine and Science
The Mayo Clinic College of Medicine and Science includes:

- Mayo Clinic Graduate School of Biomedical Sciences
- Mayo Clinic School of Continuous Professional Development
- Mayo Clinic School of Graduate Medical Education
- Mayo Clinic School of Health Sciences
- Mayo Clinic School of Medicine

Academic degrees are granted by the Mayo Clinic Board of Trustees on recommendation of the deans and the faculty of Mayo Clinic College of Medicine and Science.

The faculty is drawn from the clinical and scientific staff of Mayo Clinic and is augmented by area physicians. Faculty members participating in this graduation ceremony represent a total faculty of approximately 3,700.
Since 1917 Mayo Clinic has been preparing candidates for M.S. and Ph.D. degrees in biomedical sciences. For over 25 years, Mayo Clinic Graduate School of Biomedical Sciences has been training students in scholarship and scientific discovery as an independent degree-granting school. Currently, more than 100 students are working toward the M.S. degree and more than 200 are working toward the Ph.D. degree. Six students are admitted each year into the combined M.D.-Ph.D. degree program.

Embedded within a premier medical center, Mayo Clinic Graduate School of Biomedical Sciences provides students with access to elite faculty and a world-class education. Most of our graduates continue on to advanced research training and careers in biomedical research. Some students pursue primary teaching careers or a variety of other endeavors that utilize their research training.

The biographical information that follows each graduate’s picture and name lists prior education, degree and area of study, research advisor, and may include a thesis title and next career step.
Mayo Clinic
Graduate School
of Biomedical Sciences

GRADUATING CLASS of 2017
CARLY A. BAEHR
B.S., Chemistry, Biochemistry, and Molecular Biology, Rose-Hulman Institute of Technology, Terre Haute, Indiana
Doctor of Philosophy in Biomedical Sciences, Molecular Pharmacology and Experimental Therapeutics
Advisor: Larry Karnitz, Ph.D.
Thesis: Regulation of Base Excision Repair by GSK-3 Mediated Phosphorylation of UNG2

BRENT MICHAEL BERRY
B.S., Biophysics, Management, and Classics, University of Minnesota, Minneapolis, Minnesota
Doctor of Philosophy in Biomedical Sciences, Biomedical Engineering and Physiology
Advisor: Gregory Worrell, M.D., Ph.D.
Thesis: Interictal Biomarkers of Epileptogenic Seizure Onset Zone; an automated method utilizing Bayesian Filtering of High Frequency Oscillations and Phase Amplitude Coupling
Position: Research Fellow, Neurology, Mayo Clinic, Rochester, Minnesota

JARRYD MATTHEW CAMPBELL
B.A., Biology and Chemistry, Concordia College, Moorhead, Minnesota
Doctor of Philosophy in Biomedical Sciences, Clinical and Translational Science
Advisor: Stephen Ekker, Ph.D.
Thesis: Precision Genome Engineering of the Nuclear and Mitochondrial Genomes
Position: Research Fellow, Department of Biochemistry and Molecular Biology, Mayo Clinic, Rochester, Minnesota

LOMELI CARPIO SHULL
B.S., Biology, New Mexico Institute of Mining and Technology, Socorro, New Mexico
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: Jennifer Westendorf, Ph.D.
Thesis: The Role of Histone Deacetylase 3 in Chondrocyte Maturation during Endochondral Ossification
Position: Postdoctoral Fellow, University of Colorado Denver, Department of Craniofacial Biology, Denver, Colorado

STEVEN CAMPBELL CHASE
B.S., Biomedical Engineering, Rose-Hulman Institute of Technology, Terre Haute, Indiana
Doctor of Philosophy in Biomedical Sciences, Biomedical Engineering and Physiology
Advisor: Bruce Johnson, Ph.D.
Thesis: The Impact of Pulmonary Congestion on Lung Structure and Function in Heart Failure
Position: Research Fellow, Cardiovascular Research, Mayo Clinic, Rochester, Minnesota
DOCTOR OF PHILOSOPHY

CHIEN-CHANG CHEN
B.S., Natural Sciences, National Taiwan University, Taipei, Taiwan
M.S., Biomedical Science, National Taiwan University – College of Medicine, Taipei, Taiwan
Doctor of Philosophy in Biomedical Sciences, Immunology
Advisor: Hirohito Kita, M.D.
Thesis: The Innate and Adaptive Immune Regulation of Allergic Airway Inflammation

JEANNIE Y. CHEW
B.A., Biochemistry, Mount Holyoke College, South Hadley, Massachusetts
Doctor of Philosophy in Biomedical Sciences, Neurobiology of Disease
Advisor: Leonard Petrucelli, Ph.D.
Thesis: Model Systems of the C9ORF72 Hexanucleotide Repeat Expansion Mimic Disease Features of Frontotemporal Dementia and Amyotrophic Lateral Sclerosis
Position: Research Fellow, Neuroscience Department, Mayo Clinic, Jacksonville, Florida

BENNETT GRAY CHILDS
B.S. Chemistry with Honors, Virginia Commonwealth University, Richmond, Virginia
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: Jan van Deursen, Ph.D.
Thesis: The Role of Cellular Senescence in Aging and Atherosclerosis
Position: Research Fellow, Department of Endocrinology, Diabetes, Metabolism, and Nutrition, Mayo Clinic, Rochester, Minnesota

SHIRLEY E. BRADLEY DEAN
B.S., Biology, B.S., Chemistry, Hope College, Holland, Michigan
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: David Katzmann, Ph.D.
Thesis: Modulation of the AAA-ATPASE VPS4 by the V Domain of the ESCRT-Associated Factor BRO1

ALFRED DONOVAN DOYLE
B.S., Business Administration, University of Maine, Orono, Maine
Doctor of Philosophy in Biomedical Sciences, Immunology
Advisor: James Lee, Ph.D.
Thesis: Understanding Eosinophil Biology and Disease Activities through Genetically Engineered Mice
Position: Research Fellow, Department of Biochemistry and Molecular Biology, Mayo Clinic, Scottsdale, Arizona

* denotes M.D.-Ph.D. dual degree program
NISHA DURAND
B.S., Human Biology, Chemistry, Chadron State College, Chadron, Nebraska
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: Peter Storz, Ph.D.
Thesis: The Role of PKDs in Focal Adhesion Signaling and Cell Adhesion
Position: Research Fellow, Center for Regenerative Medicine, Mayo Clinic, Jacksonville, Florida

SARAH EBY*
B.S., Health and Human Development and B.S., Psychological Science, Montana State University, Bozeman, Montana
Doctor of Philosophy in Biomedical Sciences, Biomedical Engineering and Physiology
Advisor: Kai-Nan An, Ph.D.
Thesis: Quantitative Evaluation of Skeletal Muscle Stiffness
Residency: Physical Medicine & Rehabilitation, University of Utah Affiliated Hospitals, Salt Lake City, Utah

LORIBETH Q. EVERTZ
B.S., Mechanical Engineering, Montana State University, Bozeman, Montana
Doctor of Philosophy in Biomedical Sciences, Biomedical Engineering and Physiology
Advisor: Kenton Kaufman, Ph.D.

MICHAEL ROSS GIONFRIDDO
Pharm.D., School of Pharmacy, Wilkes University, Wilkes-Barre, Pennsylvania
Doctor of Philosophy in Biomedical Sciences, Clinical and Translational Science
Advisor: Victor Montori, M.D.
Thesis: Stepping Down Medication in Adolescents with Asthma: Bringing Together Evidence and Experience
Position: Assistant Professor, Center for Pharmacy Innovation and Outcomes, Geisinger Health System, Forty Fort, Pennsylvania

JEFFREY SHAW HAKIM*
B.S., Biochemistry and Molecular Biology, Michigan State University, East Lansing, Michigan
Doctor of Philosophy in Biomedical Sciences, Neurobiology of Disease
Advisor: Anthony Windebank, M.D.
Thesis: Engineering a regeneration permissive environment allowing for recovery after complete spinal cord transection
Residency: Neurological Surgery, University of Virginia, Charlottesville, Virginia
STEELARTONO*
B.S., Chemistry and Microbiology, California State Polytechnic University, Pomona, Pomona, California
Doctor of Philosophy in Biomedical Sciences, Immunology
Advisor: Karen Hedin, Ph.D.
Thesis: Inflammatory Connections: The Role of Reactive Oxygen Species and Macrophages in Renal Artery Stenosis
Residency: Pediatrician-Scientist Development Program, Baylor College of Medicine, Houston, Texas

BRADLEE HECKMANN
B.S., Biology, University of Kentucky-Lexington, Lexington, Kentucky
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: Jun Liu, M.D., Ph.D.
Thesis: The Function and Regulation of the G0/G1 Switch Gene 2 (G0S2)
Position: Postdoctoral Research Associate, Department of Immunology, St. Jude Children’s Research Hospital, Memphis, Tennessee

YENG HER*
B.S., Chemistry, University of Wisconsin-Madison, Madison, Wisconsin
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: L. James Maher, Ph.D.
Thesis: Effects of Oxygen and Succinate in Models of Familial Paraganglioma
Residency: Medicine-Preliminary, University of California, San Francisco-Fresno, Fresno, California
Physical Medicine & Rehabilitation, University of Wisconsin Hospital and Clinics, Madison, Wisconsin

DAVID HINTON
B.A., Spanish, University of Nebraska, Lincoln, Nebraska
Doctor of Philosophy in Biomedical Sciences, Neurobiology of Disease
Advisor: Doo-Sup Choi, Ph.D.
Thesis: Preclinical and Clinical Implications of Adenosine and Glutamate Signaling in Alcohol Use Disorder
Position: Marketing and Licensing Associate, Office of Commercialization and Industry Collaboration, University of South Alabama, Mobile, Alabama

MICHELLE HOWARD
B.S., Physics, North Park University, Chicago, Illinois
Doctor of Philosophy in Biomedical Sciences, Biomedical Engineering and Physiology
Advisor: Michael Herman, Ph.D.
Thesis: Characterization of Relative Biological Effectiveness (RBE) for Proton Therapy in Human Cancer Cell Lines
Position: Clinical Medical Physics Fellow, Department of Radiation Oncology, Mayo Clinic, Rochester, Minnesota

* denotes M.D.-Ph.D. dual degree program
DOCTOR OF PHILOSOPHY

DANQING HU
M.D., Zhejiang University, Hangzhou, China
Doctor of Philosophy in Biomedical Sciences, Clinical and Translational Science
Advisor: David Warner, M.D.
Thesis: Early Exposure to Anesthesia and Learning/Behavioral Outcomes in a Population-based Birth Cohort
Position: Resident, Anesthesiology, Mayo Clinic, Rochester, Minnesota
Position: Resident, Internal Medicine-Preliminary, Mayo Clinic, Rochester, Minnesota
Anesthesiology, Mayo Clinic, Rochester, Minnesota

POORVAL JOSHI
B.E., Biotechnology, Mumbai University, Mumbai, India
M.S., Biotechnology, Johns Hopkins University, Baltimore, Maryland
Doctor of Philosophy in Biomedical Sciences, Molecular Pharmacology and Experimental Therapeutics
Advisor: Larry Karnitz, Ph.D.
Thesis: CDK12: A kinase at the intersection of homologous recombination and mRNA processing in ovarian cancer
Position: Postdoctoral Associate, Yale University, Department of Hematology, New Haven, Connecticut

OLUMIDE KAYODE
B.A., Chemistry and B.S., Cell and Molecular Biology, University of Minnesota-Duluth, Duluth, Minnesota
Doctor of Philosophy in Biomedical Sciences, Molecular Pharmacology and Experimental Therapeutics
Advisor: Evette Radisky, Ph.D.
Thesis: Developing inhibitors of Mesotrypsin utilizing protein engineering and computational modeling
Position: Postdoctoral Fellow, National Cancer Institute, National Institutes of Health, Bethesda, Maryland

KATHERINE LORRAINE BROIN KNORR*
B.S., Biochemistry, University of Minnesota-Twin Cities, Minneapolis, Minnesota
Doctor of Philosophy in Biomedical Sciences, Molecular Pharmacology and Experimental Therapeutics
Advisor: Scott Kaufmann, M.D., Ph.D.
Thesis: Novel Therapeutic Approaches for Acute Myelogenous Leukemia and Other Myeloid Disorders
Residency: Internal Medicine, New York Presbyterian Hospital-Weill Cornell Medical Center, New York, New York

JONG-SUN LEE
B.S., Biology and M.S., Chemistry, Baylor University, Waco, Texas
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: Zhiguo Zhang, Ph.D.
Thesis: Nucleosome Assembly and Cellular Senescence
Position: Postdoctoral, Columbia University Medical Center, Irving Cancer Research Center (ICRC), New York, New York
ZHIPENG LI
B.S., Biology, China Agricultural University, Beijing, China
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: Mark McNiven, Ph.D.
Thesis: Participation of GTPases in Lipid Droplet Metabolism
Position: Research Fellow, Biochemistry and Molecular Biology Department, Mayo Clinic, Rochester, Minnesota

ZHOUBO LI
B.S., Chemical Engineering, Tianjin University, Tianjin, China
M.S., Chemical Engineering, Columbia University, New York, New York
Doctor of Philosophy in Biomedical Sciences, Biomedical Engineering and Physiology
Advisor: Cynthia McCollough, Ph.D.
Position: Postdoctoral, GE Healthcare, Waukesha, Wisconsin

REEJA MASKEY
B.S., Biology and Chemistry, Salem College, Winston-Salem, North Carolina
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: Yuichi Machida, Ph.D.
Thesis: Spartan, a novel regulator of replication stress response and genome stability
Position: Research Fellow, Oncology Research, Mayo Clinic, Rochester, Minnesota

RACHEL LYNN GOLDENSTEIN MAUS
B.S., Biology, University of St. Thomas, St. Paul, Minnesota
Doctor of Philosophy in Biomedical Sciences, Immunology
Advisor: Svetomir Markovic, M.D., Ph.D.
Thesis: Immunology of Nodal Metastases: The Role of Extracellular Vesicles
Position: Research Fellow, Oncology Research, Mayo Clinic, Rochester, Minnesota

LAUREN S. MOGIL
B.S., Bioinformatics and Biology, Loyola University, Chicago, Illinois
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: L. James Maher, Ph.D.
Thesis: Evaluation and Analysis of DNA supercoiling and Protein Mediated DNA Loops in vivo and in vitro
Position: Postdoctoral in Computational Genomics, Loyola University, Chicago, Illinois

* denotes M.D.-Ph.D. dual degree program
STEVEN C. NEIER
B.S., Mathematics, Union College, Schenectady, New York
Doctor of Philosophy in Biomedical Sciences, Immunology
Advisor: Adam Schrum, Ph.D.
Thesis: Multiprotein matrix analysis reveals physiologic network biosignatures in the human TCR signalosome
Position: Postdoctoral Research Fellow, Dana-Farber Cancer Institute, Boston, Massachusetts

AURELIE (LILI) N’SONGO
B.S., Genetics, Paris Diderot University, Paris, France
Doctor of Philosophy in Biomedical Sciences, Neurobiology of Disease
Advisor: Nilufer Taner, M.D., Ph.D.
Thesis: Genetics of Alzheimer’s disease in at-risk populations
Position: Science Writer, Delos Living LLC, New York, New York

ALFREDO OLIVEROS AMAYA
B.A., Psychology, University of North Florida, Jacksonville, Florida
Doctor of Philosophy in Biomedical Sciences, Molecular Pharmacology and Experimental Therapeutics
Advisor: Doo-Sup Choi, Ph.D.
Thesis: Adenosine signaling and hippocapal-corticolimbic circuitry: Implications for the regulation of reward seeking behavior
Position: Postdoctoral Research Fellow, Neurobiology of Addiction, Department of Molecular Pharmacology and Experimental Therapeutics, Rochester, Minnesota

JORDAN MARY REESE
B.S., Biology and M.S., Molecular Microbiology, University of Wisconsin-Milwaukee, Milwaukee, Wisconsin
Doctor of Philosophy in Biomedical Sciences, Molecular Pharmacology and Experimental Therapeutics
Advisor: John Hawse, Ph.D.
Thesis: Elucidating the Tumor Suppressive Effects of Estrogen Receptor Beta in Breast Cancer
Position: Postdoctoral Fellow, University of Colorado, Anschutz Medical Campus, Aurora, Colorado

SCOTT RIESTER
B.S., Biology, Cornell University-Ithaca, Ithaca, New York
M.D., Medical College of Ohio, Toledo, Ohio
Doctor of Philosophy in Biomedical Sciences, Clinical and Translational Science
Advisor: Andre van Wijnen, Ph.D.
Thesis: Translational Applications of microRNAs in the Treatment of Musculoskeletal Disease
Position: Clinical Fellow, HealthPartners, Occupational Medicine Training Program, St. Paul, Minnesota
NICCOLE SCHAIBLE  
B.S. and M.S., Electrical Engineering, North Dakota State University, Fargo, North Dakota  
Doctor of Philosophy in Biomedical Sciences, Biomedical Engineering and Physiology  
Advisor: Gary Sieck, Ph.D.  
Thesis: Cellular Mechanisms Underlying Cardiac Dysfunction following Hypothermia and Rewarming  
Position: Postdoctoral Research Fellow, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, Massachusetts

SABRIYA SYED  
B.S., Biochemistry, McGill University, Montreal, Quebec, Canada  
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology  
Advisor: Tamas Ordog, M.D.  
Thesis: Epigenetic regulation of interstitial cell fates and function in the gastrointestinal tract  
Position: Postdoctoral Associate, University of Massachusetts Medical School, Department of Biochemistry and Molecular Pharmacology, Worcester, Massachusetts

NICOLE D. VINCELETTE  
B.S., Biology, University of Northern Colorado, Greeley, Colorado  
Doctor of Philosophy in Biomedical Sciences, Molecular Pharmacology and Experimental Therapeutics  
Advisor: Scott Kaufmann, M.D., Ph.D.  
Thesis: Assessing the Mechanism of Chk1 Inhibitor Induced Cell Death and Resistance in Acute Myelogenous Leukemia  
Position: Postdoctoral Fellow, Clinical Science, Moffitt Cancer Center, Tampa, Florida

RUISI (ROSE) WANG  
B.S., Nursing and Chemistry, Beijing Medical University, Beijing, China  
Doctor of Philosophy in Biomedical Sciences, Molecular Pharmacology and Experimental Therapeutics  
Advisor: Vijay Shah, M.D.  
Thesis: Mechanisms of Liver Fibrosis: A Novel Role of Exosomes  
Position: Postdoctoral Association, The Rockefeller University, New York, New York

ROBBYN L. WEAVER  
B.S., Biology, Minnesota State University-Moorhead, Moorhead, Minnesota  
Doctor of Philosophy in Biomedical Sciences, Biochemistry and Molecular Biology  
Advisor: Jan van Deursen, Ph.D.  
Thesis: BubR1 in cancer, aging and development

* denotes M.D.-Ph.D. dual degree program
ROBIN C. WILLENBRING
B.A. Biology, University of St. Thomas, St. Paul, Minnesota
Doctor of Philosophy in Biomedical Sciences, Immunology
Advisor: Aaron J. Johnson, Ph.D.
Thesis: The Dual Role of Perforin in the Balance Between Protection and Pathology During CNS Viral Infection and Blood-brain Barrier (BBB)
Position: Postdoctoral Fellow, Immunology Department, La Jolla Institute for Allergy and Immunology, La Jolla, California

SARANYA PURUSHOTHAMAN WYLES*
B.A., Neuroscience, Barnard College, Columbia University, New York, New York
Doctor of Philosophy in Biomedical Sciences, Clinical and Translational Science
Advisor: Timothy Nelson, M.D., Ph.D.
Thesis: Bioengineered Stem Cell-Based Disease Modeling and Therapeutic Approaches for Familial Dilated Cardiomyopathy and other Myocardial Diseases
Residency: Dermatology, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota

JOANNA YANG
B.S., Biological Sciences (Cell, Genetics, Developmental), Arizona State University Barrett Honors College, Tempe, Arizona
Doctor of Philosophy in Biomedical Sciences, Clinical and Translational Science
Advisor: Stephen Ekker, Ph.D., Christopher Pierret, Ph.D. (co-advisor)
Thesis: There and Back Again: A Tale of Translation in Promotion of Adolescent Mental Health
Position: Research Fellow, Molecular Neuroscience, Mayo Clinic Jacksonville, Jacksonville, Florida

* denotes M.D.-Ph.D. dual degree program
OMAR ABOU EZZEDDINE
B.S., Physiology, McGill University, Montreal, Quebec, Canada
M.D., McGill University Faculty of Medicine, Montreal, Quebec, Canada
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Margaret Redfield, M.D.
Thesis: Heart Failure Toolbox: Clinical Instruments for the Prediction of Heart Failure Incidence, Course and Prognosis
Position: Consultant, Cardiovascular Diseases, Mayo Clinic, Rochester, Minnesota

MOUAZ ALSAWAS
M.D., University of Damascus, Faculty of Medicine, Damascus, Syria
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: M. Hassan Murad, M.D.
Thesis: Gender Disparities in Multimorbidity Among Hospitalized Patients and Implications for Early Clinical Outcomes
Position: Research Fellow, Preventative Medicine, Mayo Clinic, Rochester, Minnesota

CARL EUGENE BOMMERSBACH
B.S., Bacteriology, University of Wisconsin-Madison, Madison, Wisconsin
Master in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: Daniel Billadeau, Ph.D.
Position: Technical Specialist, Instructor, Hepatitis/HIV-Molecular Laboratory, Mayo Clinic, Rochester, Minnesota

JERRY DEWAYNE BREWER
B.S., Zoology, Brigham Young University, Provo, Utah
M.D., Wayne State University, Detroit, Michigan
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Celine Vachon, Ph.D.
Thesis: Rising Incidence and Molecular Characteristics of Malignant Melanoma; a Population-Based Approach
Position: Consultant, Division Chair, Dermatology, Mayo Clinic, Rochester, Minnesota

KELLY AUTUMN CAWCUTT
B.S., Biology, University of Wisconsin-River Falls, River Falls, Wisconsin
M.D., University of Minnesota Medical School, Minneapolis, Minnesota
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Elie Berbari, M.D.
Thesis: Clostridium difficile Infection in Critically Ill Patients: An Assessment of Screening Practices, Epidemiology and Risk Factors

Master’s degrees were awarded at a prior event.
DAHIMA CINTRON
B.S., University of Puerto Rico–Rio Piedras, San Juan, Puerto Rico
M.D., University of Puerto Rico–Medical Sciences Campus, San Juan, Puerto Rico
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Virginia Miller, Ph.D.
Thesis: What Women Have to Say About Their Sleep. Effects of Menopausal Hormone Therapy on Self-Reported Sleep Quality

PARAKKAL DEEPAK
M.B.B.S., Jawaharial Institute of Postgraduate Medical Education and Research, Puducherry, India
Master in Biomedical Sciences, Clinical and Translational Science Advisor: David Bruining, M.D.
Thesis: Significance of Radiological Response on Enterography as a Potential Treatment Target in Small Bowel Crohn’s Disease
Position: Resident, Gastroenterology, Mayo Clinic, Rochester, Minnesota

DIANE DONEGAN
M.B., B.Ch., UCD School of Medicine and Medical Science, Dublin, Ireland
Master in Biomedical Sciences, Clinical and Translational Science Advisor: Cheryl Conover, Ph.D.
Thesis: The Role of Pregnancy Associated Plasma Protein-A in Diabetic Nephropathy
Position: Resident, Endocrinology, Mayo Clinic, Rochester, Minnesota

EOIN FLANAGAN
M.B., B.Ch., University of Dublin, Dublin, Ireland
Master in Biomedical Sciences, Clinical and Translational Science Advisor: Sean Pittock, M.D.
Thesis: Autoimmune aquaporin-4 channelopathy and neuromyelitis optica: defining the epidemiology and evolving clinical spectrum
Position: Consultant, Neurology, Mayo Clinic, Rochester, Minnesota

ERIN FRAZEE
Pharm.D., Drake University, Des Moines, Iowa
Master in Biomedical Sciences, Clinical and Translational Science Advisor: Nelson Leung, M.D.
Thesis: Impact of cystatin C-use on vancomycin target trough achievement and clinical outcomes in critically ill adults
RAVI GADA
B.S., Biochemistry, University of Texas, Austin, Texas
M.D., Texas Tech University School of Medicine, Amarillo, Texas
Master in Biomedical Sciences, Reproductive Endocrinology and Infertility
Advisor: Raul Urrutia, M.D.
Thesis: Functional Silencing of the Tumor Suppressor KLF11 in Human Endometrium Reveals Pathways which are Amenable to Pharmacological Manipulation
Position: Infertility Specialist, Dallas Fort Worth Fertility Associates, Dallas, Texas

CARRIE HRUSKA
B.S., Electrical Engineering, South Dakota State University, Brookings, South Dakota
Ph.D., Biomedical Engineering, Mayo Clinic Graduate School of Biomedical Sciences, Rochester, Minnesota
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Celine Vichon, Ph.D.
Thesis: Clinical Correlates of Background Parenchymal Uptake at Molecular Breast Imaging
Position: Consultant, Associate Professor, Radiology, Mayo Clinic, Rochester, Minnesota

JOSE H. JIMENEZ-ALMONTE
B.S., General Sciences, University of Puerto Rico–Rio Piedras, San Juan, Puerto Rico
M.D., University of Puerto Rico School of Medicine–Medical Science Campus, San Juan, Puerto Rico
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Michael Yaszemski, M.D.
Thesis: Crosslinking Parameters and Cytotoxicity of Injectable Polypropylene fumarate-co-Polycaprolactone (PPF-co-PCL) Copolymer for Bone Tissue Engineering

JOSEPHINE JU
B.A., Biology, Grinnell College, Grinnell, Iowa
Master in Biomedical Sciences, Immunology
Advisor: Joseph Murray, M.D.

KIANOUSH BANAEI KASHANI
M.D., Tehran University of Medical Sciences, Tehran, Iran
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: John Lieske, M.D.
Thesis: Use of an electronic surveillance sniffer for early detection and intervention for acute kidney injury (AKI)
Position: Consultant, Assistant Professor, Nephrology and Hypertension, Mayo Clinic, Rochester, Minnesota
ANDREA KATTAH
B.S., Biomedical Engineering, Columbia University, New York, New York
M.D., New York University School of Medicine, New York, New York
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Vesna Garovic, M.D.
Thesis: Preeclampsia and the Kidney: The Long-Term Risk of Maternal Renal Disease
Position: Consultant, Assistant Professor, Nephrology and Hypertension, Mayo Clinic, Rochester, Minnesota

AMANIKA KUMAR
B.A., Biology and Human Rights, Columbia University, New York, New York
M.D., Stony Brook University, Stony Brook, New York
Master in Biomedical Sciences, Gynecologic Oncology
Advisor: William Cliby, M.D.
Thesis: Chk1 inhibition via MK-8776 confers antitumor efficacy alone and enhances cytotoxicity of gemcitabine in high grade serous epithelial ovarian cancer tumor grafts
Position: Consultant, Assistant Professor, Obstetrics and Gynecology, Mayo Clinic, Rochester, Minnesota

MAJA KRISTIN KURANZ BLAKE
B.S., Biochemistry, Florida State University, Tallahassee, Florida
Master in Biomedical Sciences, Molecular Pharmacology and Experimental Therapeutics
Advisor: Alexander Parker, Ph.D.

ANTIGONI LALIA
M.D., Aristotle University of Thessaloniki, Thessaloniki, Greece
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Ian Lanza, Ph.D.
Thesis: Omega-3 Fatty Acids to Combat Sarcopenia
Position: Research Collaborator, Endocrinology, Mayo Clinic, Rochester, Minnesota

JOSE RAMON MEDINA-INOJOSA
M.D., University of Carabobo-Aragua Campus, La Morita, Aragua, Venezuela
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Francisco Lopez-Jimenez, M.D.
Thesis: The Association between Adiposity, Lean Mass and Central Obesity with Long-term Cardiovascular Events in Patients with Coronary Artery Disease in the Community
Position: Research Fellow, Cardiovascular Diseases, Mayo Clinic, Rochester, Minnesota
GERMAN NORAMBUENA MORALES
M.D., Universidad de los Andes, Santiago, Las Condes, Chile
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Rafael Sierra, M.D.
Thesis: Antibacterial and Biocompatible Titanium-Copper Oxide Coating may be a Potential Strategy to Reduce Periprosthetic Infection: an In Vitro Study

MYUNG SOO PARK
B.S., Biology and Chemistry, Long Island University, Brooklyn, New York
M.D., State University of New York Health Science Center-Brooklyn College of Medicine, Brooklyn, New York
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Aneel Ashrani, M.D., M.S.
Thesis: Determination of Predictors of Incident Venous Thromboembolism After Traumatic Injury
Position: Consultant, Assistant Professor, Trauma, Critical Care, and General Surgery, Mayo Clinic, Rochester, Minnesota

JOSHUA PARRY
B.S., Molecular and Cellular Biology, University of Texas, Austin, Texas
M.D., University of Texas-Houston Medical School, Houston, Texas
Advisor: Sanjeev Kakar, M.D.
Thesis: Development of a Tissue-Engineered Neoligament for Intra-articular Reconstruction
Position: Resident, Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota

CHANDRA SHENOY
B.S., Biochemistry, Washington University, St. Louis, Missouri
M.D., Saint Louis University, St. Louis, Missouri
Master in Biomedical Sciences, Reproductive Endocrinology and Infertility
Advisor: Gaurang Daftary, M.D.
Thesis: Progressive Fibrosis: A Progesterone and KLF11 Mediated Sexually Dimorphic Female Response
Position: Resident, Reproductive Endocrinology, Mayo Clinic, Rochester, Minnesota

JOHN ROGER ALDEN SHEPHERD
B.S., Biology, Creighton University, Omaha, Nebraska
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Michael Joyner, M.D.
Thesis: Exercise Hyperemia During Prolonged Adenosine Triphosphate Infusion in Humans
Position: Medical Student, Mayo Clinic School of Medicine, Rochester, Minnesota
RUCHIRA SINGH
M.B.B.S., University of Delhi, Maulana Azad Medical College, New Delhi, India
Master in Biomedical Sciences, Female Pelvic Medicine/Reconstructive Surgery
Advisor: John Gebhart, M.D.
Thesis: Effect of Chair Types on Work-Related Musculoskeletal Discomfort during Vaginal Surgery

ANUSITH TUNHASIRIWET
M.D., Chiang Mai University, Muang, Chiang Mai, Thailand
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Garvan Kane, M.D., Ph.D.
Thesis: Novel Echocardiographic Assessment of Right Heart Function and Wall Mechanics in Patients with Pulmonary Hypertensive Vascular Disease

MARK D. URBAN
B.S., Ecology and Chemistry, Minnesota State University-Mankato, Mankato, Minnesota
Master in Biomedical Sciences, Biochemistry and Molecular Biology
Advisor: Veena Taneja, Ph.D.
Position: Supervisor-Research Technologist, Biochemistry and Molecular Biology, Mayo Clinic, Rochester, Minnesota

HEMANG YADAV
B.A., Medicine, University of Cambridge, Cambridge, East Anglia, United Kingdom
M.B.B.S., Imperial College London, School of Medicine, London, United Kingdom
Master in Biomedical Sciences, Clinical and Translational Science
Advisor: Daryl Kor, M.D.
Thesis: Biomarkers in Post-Operative Acute Respiratory Distress Syndrome
Position: Consultant, Pulmonary and Critical Care Medicine, Mayo Clinic, Rochester, Minnesota
As we transition beyond graduate school, we pause to truly thank those who have supported us in this journey. We hail our families, who have provided a lifetime of love and support during our growth as scientists. We appreciate our labmates, classmates, and friends, who rode the roller coaster with us, and the administrators who helped us to stay on the track. We also thank our gracious benefactors for their continued financial support for our truly unique educational opportunity. We are forever indebted to our mentors, who are champions of education, beacons of optimism in the face of disappointment, and brilliant examples of what we hope to become.

Our genuine and deep gratitude is extended to all who have helped us through the remarkable Mayo Clinic Graduate School of Biomedical Sciences experience. Please join us in celebration of this important time of transition.

Mayo Graduate School Class of 2017
Mayo Clinic School of Medicine matriculated its first class in 1972. For over 40 years, a world-class faculty of physicians and scientists has educated aspiring physicians in patient-centered, science-driven, team-based, high-value health care. Founded upon Mayo Clinic’s century-old tradition of patient-centered care, Mayo Clinic School of Medicine is highly innovative and selective, cultivating future physician leaders through a broad array of unparalleled learning opportunities.

In the coming years, Mayo Clinic School of Medicine will innovate and transform medical education. Embedding the science of health care delivery into its curriculum will prepare tomorrow’s physicians to treat both their patients and the ailing health care system in a rapidly evolving health care environment. Plans for expansion will double the size of the school, with a new four-year campus in Arizona in 2017 and complete third- and fourth-year programs opening in Florida in the near future. The Class of 2017 will be part of the prestigious alumni of patient-centered physician leaders laying the foundations for the future of health care.

Selected from nearly 4,800 applicants, Mayo Clinic School of Medicine Class of 2017 consists of 20 women and 23 men. The biographical information that follows each graduate’s picture and name lists their prior education, their field of medicine for residency training, the hospital or medical center, and the location.
Mayo Clinic
School of Medicine

GRADUATING CLASS of 2017
NORA SAYEL ALI
B.S., Biochemistry, University of Minnesota–Twin Cities, Minneapolis, Minnesota
Residency: Pediatrics-Preliminary, University of North Carolina Hospitals, Chapel Hill, North Carolina
Dermatology, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota

RYAN TAYLOR ANDERSON
Residency: Internal Medicine, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota

MOHAMMAD HUMZA ANSARI
B.S., Biomedical Science, Marquette University, Milwaukee, Wisconsin
Residency: Transitional, University of Chicago/NorthShore Health System, Evanston, Illinois
Radiology-Diagnostic, Rush University Medical Center, Chicago, Illinois

DIPTI BANERJEE
B.A., Public Health, University of California, Berkeley, Berkeley, California
M.P.H., Quantitative Methods, Harvard T.H. Chan School of Public Health, Boston, Massachusetts
Residency: Obstetrics-Gynecology, UCLA Medical Center, Los Angeles, California

JOSHUA STEVEN BEDNAR
B.S., Biology, University of Minnesota, Minneapolis, Minnesota
D.D.S., University of Minnesota, Minneapolis, Minnesota
Residency: Oral and Maxillofacial Surgery, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota
LORI BJORK
B.A., Political Science, University of Illinois at Urbana-Champaign, Champaign, Illinois
M.A., Kinesiology, University of Maryland, College Park, Maryland
Residency: Transitional Year, Naval Medical Center San Diego, San Diego, California

TONY BLANKERS
B.S. Biology, Bethel University, St. Paul, Minnesota
Residency: Family Medicine, Family Medicine Residency of Idaho, Boise, Idaho

WILLIAM BREEN
B.A., Biochemistry, St. John’s University, Collegeville, Minnesota
Residency: Transitional, Gundersen Lutheran Medical Foundation, La Crosse, Wisconsin
Radiation Oncology, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota

TYLER BROBST
B.S., Biomedical Engineering, University of Virginia, Charlottesville, Virginia
Residency: Pediatrics, University of California San Diego Medical Center, San Diego, California

BREANN NICOLE (KLUCK) BUTTS
B.A., Biology, College of Saint Benedict, St. Joseph, Minnesota
Residency: Pediatrics, Cincinnati Children’s Hospital Medical Center, Cincinnati, Ohio

* denotes M.D.-Ph.D. dual degree program
KELSEY CAMPOLONG
B.S., Biology, University of Georgia, Athens, Georgia
Residency: Family Medicine, Mountain Area Health Education Center, Asheville, North Carolina

SEAN ROBERT CANTWELL
B.S., Physiological Science, University of California, Los Angeles, Los Angeles, California
Residency: Plastic Surgery (Integrated), Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota

LILY CHINGYEE CHAN
Sc.B., Biophysics, Brown University, Providence, Rhode Island
Residency: Psychiatry, Cambridge Health Alliance, Cambridge, Massachusetts

HAFSA MYEDAH CHAUDHRY
B.A., Peace and Justice Studies and Community Health, Tufts University, Medford, Massachusetts
Residency: Medicine-Preliminary, Rhode Island Hospital/Brown University, Providence, Rhode Island
Dermatology, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota

SAGAR CHAWLA
B.S., Global Resource Systems, B.S., Biology, Iowa State University, Ames, Iowa
M.P.H., Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland
Residency: Orthopaedic Surgery, University of Washington Affiliated Hospitals, Seattle, Washington
SARAH EBY*
B.S., Health and Human Development and B.S., Psychology, Montana State University, Bozeman, Montana
Residency: Physical Medicine & Rehabilitation, University of Utah Affiliated Hospitals, Salt Lake City, Utah

ERIC EMERLING
B.S., Chemistry, United States Naval Academy, Annapolis, Maryland
Residency: Pediatrics, Naval Medical Center San Diego, San Diego, California

CROIX CHARLES FOSSUM
B.S., Molecular Biology, University of Wisconsin–Madison, Madison, Wisconsin
Residency: Medicine-Preliminary, University of Utah Affiliated Hospitals, Salt Lake City, Utah
Radiation Oncology, University of Southern California, Los Angeles, California

PRAKRITI GABA
B.S., Biology, B.S. Business, Economics & Management, California Institute of Technology, Pasadena, California
Residency: Internal Medicine, New York Presbyterian Hospital-Columbia University Medical Center, New York, New York

MARIA de LOURDES GARCIA ACOSTA
B.A., Biology, Carleton College, Northfield, Minnesota
Residency: Transitional, Aventura Hospital, Aventura, Florida
Ophthalmology, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota

* denotes M.D.-Ph.D. dual degree program
LEAH ROCHELLE GRENGS
B.S., B.A., Neuroscience, Anthropology, University of Minnesota – Twin Cities, Minneapolis, Minnesota
Residency: Psychiatry, University of North Dakota, Fargo, North Dakota

JEFFREY SHAW HAKIM*
B.S., Biochemistry and Molecular Biology, Michigan State University, East Lansing, Michigan
Residency: Neurological Surgery, University of Virginia, Charlottesville, Virginia

SASHA RENEE HALASZ
B.S., Neuroscience, Moravian College, Bethlehem, Pennsylvania
Residency: General Surgery, University of California San Diego Medical Center, San Diego, California

OMAR HAQUE
B.S., Molecular and Cellular Biology, Johns Hopkins University, Baltimore, Maryland
Residency: General Surgery, Beth Israel Deaconess Medical Center/ Harvard Medical School, Boston, Massachusetts

STELLA HARTONO*
B.S., Chemistry and Microbiology, California State Polytechnic University, Pomona, Pomona, California
Residency: Pediatrician-Scientist Development Program, Baylor College of Medicine, Houston, Texas
METHUS EARTH HASASSRI  
B.A., Psychology, B.S., Physiology & Neuroscience, University of California, San Diego, San Diego, California  
Residency: Psychiatry, University of California, San Francisco, San Francisco, California

YENG HER*  
B.S., Chemistry, University of Wisconsin-Madison, Madison, Wisconsin  
Residency: Medicine-Preliminary, University of California, San Francisco-Fresno, Fresno, California  
Physical Medicine & Rehabilitation, University of Wisconsin Hospital and Clinics, Madison, Wisconsin

NICHOLAS RYAN KENNING  
B.A., Biology, University of Kansas, Lawrence, Kansas  
D.D.S., Creighton University School of Dentistry, Omaha, Nebraska  
Residency: Oral and Maxillofacial Surgery, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota

KATHERINE LORRAINE BROIN KNORR*  
B.S., Biochemistry, University of Minnesota, Twin Cities, Minneapolis, Minnesota  
Residency: Internal Medicine, New York Presbyterian Hospital-Weill Cornell Medical Center, New York, New York

RAJAT NISHANT MUMAN  
B.S., Biology, Florida State University, Tallahassee, Florida  
M.A., Medical Sciences, Boston University, Boston, Massachusetts  
Residency: Anesthesiology, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota

* denotes M.D.-Ph.D. dual degree program
SINÉAD LOUISE MURPHY SALEM  
B.A., Chemistry, History, Amherst College, Amherst, Massachusetts  
Residency: Pediatrics, Boston Children’s Hospital, Boston, Massachusetts

QUINCY GEORGDIE NANG  
B.S., Chemistry – Biochemistry, St. Cloud State University, St. Cloud, Minnesota  
M.P.H., Global Health, Harvard T.H. Chan School of Public Health, Boston, Massachusetts  
Residency: Surgery-Preliminary, New York Presbyterian Hospital-Weill Cornell Medical Center, New York, New York  
Urology, New York Presbyterian Hospital-Weill Cornell Medical Center, New York, New York

PRAVEENA NARAYANAN  
B.S., Genetics, Cell Biology, and Development, University of Minnesota – Twin Cities, Minneapolis, Minnesota  
Residency: Internal Medicine, Yale-New Haven Hospital, New Haven, Connecticut

KRISTIN NGUYEN  
B.S., Molecular and Microbiology, University of Central Florida, Orlando, Florida  
Residency: Psychiatry, University of California, San Francisco, San Francisco, California

MITCHEL OBEY  
B.A., Biology, Luther College, Decorah, Iowa  
Residency: Orthopaedic Surgery, Barnes-Jewish Hospital, St. Louis, Missouri
DOCTOR OF MEDICINE

STUART OSTBY
B.S., Biology, Washington State University, Vancouver, Washington
Residency: Obstetrics-Gynecology, University of Alabama Medical Center, Birmingham, Alabama

RYAN PLANCHARD
B.E., Biomedical Engineering & Economics, Vanderbilt University, Nashville, Tennessee
Residency: Neurological Surgery, Johns Hopkins Hospital, Baltimore, Maryland

PAUL EMANUEL SALEM
B.S., Evolutionary Anthropology, Duke University, Durham, North Carolina
Residency: General Surgery, Brigham & Women’s Hospital, Boston, Massachusetts

LEAH SCHMELKIN
B.S., Biology and Psychology, University of Illinois, Urbana-Champaign, Illinois
Residency: Psychiatry, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota

PHILIP SUN
B.S., Physiological Science, University of California-Los Angeles, Los Angeles, California
M.S., Physiological Science, University of California-Los Angeles, Los Angeles, California
Residency: Medicine-Preliminary, Maimonides Medical Center, New York City, New York
Neurology, University of Southern California-Los Angeles, Los Angeles, California

* denotes M.D.-Ph.D. dual degree program
MICHAEL TIEN
B.S., Biochemistry and Cell Biology, Psychology, University of California, San Diego, La Jolla, California
Residency: Anesthesiology, Stanford University Programs, Stanford, California

DIANA VORK
B.S., Biology, United States Air Force Academy, Colorado Springs, Colorado
M.S., Entomology and Nematology, University of Florida, Gainesville, Florida
Residency: Transitional, Gundersen Lutheran Medical Foundation, La Crosse, Wisconsin
Dermatology, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota

SARANYA PURUSHOTHAMAN WYLES*
B.S., Neuroscience, Barnard College, Columbia University, New York, New York
Residency: Dermatology, Mayo Clinic School of Graduate Medical Education, Rochester, Minnesota
To patients, colleagues, and society

In the tradition of Hippocrates and the physicians who have come before me, I make the following pledge:

The needs of my patients come first. I will be a partner to improve the quality of their life through good health. I will not discriminate, I will protect the vulnerable and above all, I will do no harm.

It is my duty to care for the individual and the community. I will work to prevent disease and assure access to care for all who are in need.

The practice of medicine is both art and science. The wisdom of my patients and colleagues will guide me in the art. I will improve medicine through science and by increasing my knowledge and skills throughout my career. I believe in the tradition that care is best delivered by health professionals working together in the best interest of the patient.

I will honor my teachers by freely sharing my knowledge and skill with patients, colleagues, and successors.

My profession is an honored one and I will not violate the trust society has placed in me. I will provide care that is ethical, moral, and just and expect the same from my colleagues. I will be humble.

In the presence of my teachers, my family, my class, and my friends, I make these promises solemnly and freely.

(Adapted from the Hippocratic Oath by the Mayo Clinic School of Medicine Class of 2004.)
A FAREWELL THANKS

The Mayo Clinic School of Medicine Class of 2017 would like to express our sincerest gratitude to the patients of Mayo Clinic and to the benefactors, faculty, staff, and fellow students of the Mayo Clinic College of Medicine and Science who have helped us grow into compassionate, inquisitive, and patient-centered physicians.

Just as we have trained in Mayo Clinic’s spirit of “The needs of the patient come first,” we have thrived in an educational environment in which the needs of the students are a close second. We extend our deepest gratitude to the patient who permitted an extra minute to listen to their heart murmur, the resident physician who explained an x-ray, the support staff who rescheduled a rotation date for the fifth (or five hundredth!) time, and the consultant who reviewed the choice of antibiotics to treat an infection. We graduate today because of your encouragement, patience, and support.

And, to our families and friends, we recognize the sacrifices we often ask you to make, and we thank you for your ever-present kindness of heart, support through our failures, and joy in our accomplishments. We could not do this alone!

Thank you.

Mayo Clinic School of Medicine
Class of 2017
Honored Guests and Award Recipients 2017
Robert J. Lefkowitz, M.D. is James B. Duke Professor of Medicine and Professor of Biochemistry and Chemistry at the Duke University Medical Center. He has been an Investigator of the Howard Hughes Medical Institute since 1976.

Dr. Lefkowitz began his research career in the late 1960’s and early 1970’s, when there was no clear consensus that receptors even existed. His group spent 15 years developing techniques for radioligand binding, solubilization, purification, and reconstitution of the four adrenergic receptors known at the time. In 1986, Dr. Lefkowitz transformed the understanding of what had become known as G protein coupled receptors (GPCRs), when he and his colleagues cloned the gene and cDNA for the β2 adrenergic receptor, and recognized its sequence homology with rhodopsin, thus establishing them as the first members of a new family of proteins, the Seven Transmembrane Receptors (7TMRs). This superfamily is now known to be the largest, most diverse, and most therapeutically accessible. Dr. Lefkowitz’s lab also discovered and cloned the G protein coupled receptor kinases (GRKs) and β-arrestins which mediate receptor desensitization and discovered “biased” signaling through β-arrestins or G proteins. Most recently, he has been applying the tools of structural biology to understand biased signaling at atomic level resolution.

He has received numerous awards and honors, including the National Medal of Science, the Shaw Prize, the Albany Prize, and the 2012 Nobel Prize in Chemistry. He was elected to the USA National Academy of Sciences in 1988, the Institute of Medicine in 1994, and the American Academy of Arts and Sciences in 1988.
Each year, the graduate students select faculty members to receive the Teacher of the Year Awards. The awards are given to faculty members who have made significant contributions to graduate student education. This year’s Mayo Clinic Graduate School of Biomedical Sciences Teacher of the Year Award recipients are Yuichi Machida, Ph.D., and Kay L. Medina, Ph.D.

Yuichi Machida, Ph.D.

Yuichi Machida, Ph.D., who has joint appointments in the Division of Oncology Research and Department of Molecular Pharmacology and Experimental Therapeutics and is an assistant professor of pharmacology, was selected for the Mayo Clinic Graduate School of Biomedical Sciences Teacher of the Year Award. Students say he is a spectacular scientist and remarkable mentor, “happily helping and supporting students.”

He teaches courses in the Molecular Pharmacology and Experimental Therapeutics (MPET) track, including cellular pharmacology of agents that target cancer and research seminars in pharmacology. Students say he organizes MPET coursework in progress seminars and attends every seminar he can, asking challenging and thought-provoking questions. He participates on many thesis committees, where he is considered a vibrant and vital addition, “bringing laughter and depth to the discussion.”

His research focuses on the mechanisms of DNA damage response and DNA repair. He hopes to obtain knowledge to enhance the toxicity of current anti-cancer drugs. Recent studies from his group, led by a talented graduate student, discovered that Spartan, a nuclear metalloprotease, repairs DNA-protein crosslinks (DPCs). Dr. Machida aims to develop a Spartan inhibitor as a sensitizer of chemotherapeutic agents that generate DPCs.

Dr. Machida is program director and principal investigator for a National Cancer Institute (NCI) R01 grant to study the regulation of polymerase switching in translesion synthesis. He is co-investigator of another NCI R01 grant, and program director and principal investigator of a grant from the Mayo Clinic Center for Biomedical Discovery. He has completed grants from the Minnesota Partnership for Biotechnology and Medical Genomics, International Association for the Study of Lung Cancer, American Cancer Society and Mayo Clinic.

He has received awards including American Cancer Society Research Scholar, American Cancer Society Young Investigator Award and International Association for the Study of Lung Cancer Young Investigator Award.

He completed postdoctoral training in molecular biology at Brigham and Women’s Hospital/Harvard Medical School in Boston, Massachusetts, and at the University of Virginia in Charlottesville. He received his Ph.D., master’s and bachelor’s degrees in bioengineering from Nagoya University in Nagoya, Japan.
Kay L. Medina, Ph.D.

Kay L. Medina, Ph.D., an associate professor in the Department of Immunology, has received a Mayo Clinic Graduate School of Biomedical Sciences Teacher of the Year Award. Students say she is dedicated to and always willing to make time for all students – not just those in the immunology track – and doesn’t rest until understanding is reached. She also received the Teacher of the Year Award in 2008.

Dr. Medina is the course director and instructor for the Generation and Function of B Lymphocytes Tutorial and past course coordinator for Basic Immunology. She teaches courses in the development and survival of lymphocytes and humoral immunity, and immune cell signaling. She has mentored three postdoctoral fellows, 12 predoctoral fellows and nine undergraduate researchers. She participates on graduate thesis committees for 18 students.

Her research interests encompass all facets of bone marrow B cell biology including regulation of B lymphocyte development by the combined activities of the transcriptional regulator Hoxa9 and the signaling molecule Flt3, the role of microRNA miR-204 in B lymphopoiesis and leukemia, dysfunctional human bone marrow hematopoiesis in patients with chronic B lymphocytic leukemia, understanding human plasma cell biology and development of effective therapies for transplant patients and those with autoimmune disease. In a project with Virginia Shapiro, Ph.D., Dr. Medina is studying red blood cell development in bone marrow. The long-term goal of her research is to understand regulation of B cell development and function to better comprehend how B cell function is altered in diseases. Dr. Medina is funded by an R01 grant from the National Institute of Diabetes and Digestive and Kidney Diseases and an R21 grant from the National Institute of Allergy and Infectious Diseases.

Dr. Medina was invited by the American Association of Immunologists to provide an advanced course in immunology – a lecture on B cell development in 2015 and 2016. She also is the associate editor of the Journal of Immunology and a review editor for Frontiers in B Cell Biology.

She was awarded a postdoctoral fellowship at the Irvington Institute for Immunological Research while at the University of Chicago, Illinois, and a senior research fellowship at the Oklahoma Medical Research Foundation in Oklahoma City. She received her Ph.D. from the University of Oklahoma Health Sciences Center in Oklahoma City, and her bachelor’s degree from the University of Oklahoma in Norman, Oklahoma.
Each year, graduating medical students select two faculty members to receive the Teacher of the Year Award. The awards are given in recognition of outstanding contributions to undergraduate medical education at Mayo Clinic. This year’s recipients are James Gregoire, M.D., for basic science education and Kemuel Philbrick, M.D., for clinical education.

James Gregoire, M.D.

James Gregoire, M.D., was selected for the Mayo Clinic School of Medicine Teacher of the Year Award – specifically, for best preclinical professor – due to his commitment to and passion for medical student education. Students cited his ability to explain complex topics in an approachable, understandable way and his time-intensive dedication to curriculum and learning.

Dr. Gregoire is an assistant professor of medicine at Mayo Clinic College of Medicine and Science and a consultant in the Division of Nephrology and Hypertension in the Department of Internal Medicine at Mayo Clinic.

Dr. Gregoire has been the leader of the renal block of the Mayo Clinic School of Medicine since 2007 and the urinary tract block since 2014. He was selected Teacher of the Year for Basic Sciences in 2012 and 2014. He greatly appreciates the opportunity to work with medical students and looks forward to the wonderful things students will accomplish during their physician careers. Dr. Gregoire dedicates his award to his mother, a retired teacher who, he says, taught him “a thing or two about life.”

The unique renal block curriculum is based on continuity, which is achieved by building the schedule of the classroom components of the course around the clinical saga of a single patient with many renal disorders. Continuity of supervision and patient care are achieved by having the same clinical preceptor work with a small group of students throughout the block, while seeing patients in the hospital, clinic and dialysis center. The renal block has many dedicated faculty members and a student-to-faculty ratio of only about 3.5 to 1, which helps the preceptor sense the needs of the student and helps the student establish rapport with the preceptor.

He completed residencies in nephrology and internal medicine at Mayo Clinic Graduate School of Medical Education. He received his medical degree from Mayo Clinic School of Medicine and his bachelor’s degree from Gustavus Adolphus College in St. Peter, Minnesota. He grew up in Bemidji, Minnesota.
Kemuel Philbrick, M.D., was selected for the Mayo Clinic School of Medicine Teacher of the Year Award – specifically, for best clinical professor – due to his commitment to and passion for medical student education. Students noted his ability to connect with patients in a way that captures both the humanity and science of medicine, his poetic clinical notes, and his gentle sense of humor in caring for patients and in teaching on the hospital psychiatry consultation service.

Dr. Philbrick is an assistant professor of psychiatry and a consultant in the Department of Psychiatry and Psychology at Mayo Clinic in Rochester. He also is medical director of Mayo’s Psychiatry Consultation/Liaison Service. Previously, he served as program director of the Psychosomatic Medicine Fellowship, program director of the Adult Psychiatry Residency and medical director of the Medical Psychiatry Inpatient Unit at Mayo Clinic Hospital – Rochester, Saint Marys Campus.

Dr. Philbrick’s research interests include emotional and cognitive sequelae of medical-surgical ICU care, and symptom-triggered benzodiazepine vs. scheduled gabapentin for alcohol withdrawal. He is a member of the Academy of Psychosomatic Medicine’s Guidelines & Evidence-Based Medicine Subcommittee and Maintenance of Certification Subcommittee.

In 2006, he received the Parker J. Palmer Courage to Teach Award from the Accreditation Council for Graduate Medical Education (ACGME). The award honors program directors who find innovative ways to teach residents and provide quality health care while remaining connected to the impulse to care for others in this environment. He received a Teacher of the Year Award from Mayo’s Department of Psychiatry and Psychology in 2007, 2002 and 2000. In 2004, he received an Outstanding Contributions to Education Award from the department. He has served on several National Board of Medical Examiners committees involving test construction and review.

Dr. Philbrick completed a fellowship in psychosomatic medicine at Mayo Clinic School of Graduate Medical Education. He completed a residency in psychiatry at Wilford Hall U.S. Air Force Medical Center at Lackland Air Force Base in Texas, and a residency in internal medicine at CAMC/ West Virginia University Medical Center in Charleston. His medical degree is from Jefferson Medical College in Philadelphia, Pennsylvania, and his bachelor’s degree (cum laude) is from Geneva College in Beaver Falls, Pennsylvania. He also served as a lieutenant colonel in the U.S. Air Force. Dr. Philbrick was born and largely raised in Pakistan by expatriate parents but considers Minnesota his stateside home.
Nicholas Allen, M.D.

Nicholas Allen, M.D., a third-year resident in the Department of Psychiatry and Psychology at Mayo Clinic, was selected for the Mayo Clinic School of Medicine Golden Stethoscope Award because of his commitment to and passion for student learning. Students say he easily connects with learners, members of the interdisciplinary care team and patients. They note his desire to provide excellent clinical care to all patients, recounting numerous occasions on which he went the extra mile. Students praise him as a strong example of a resident-learner and clinical educator and thank him for sharing his knowledge with the medical students.

Dr. Allen’s research focuses on impulsivity in patients treated in the addictions program in the Department of Psychiatry and Psychology. He hopes to complete a fellowship in psychosomatic medicine and then work in an academic integrated behavioral health care setting.

He received his medical degree and his bachelor’s degree in chemical engineering from the University of Kansas in Lawrence, Kansas. Dr. Allen grew up in Wichita, Kansas.
Benjamin Braus, M.D., a third-year resident in the Department of Psychiatry and Psychology at Mayo Clinic, was selected for a Mayo Clinic School of Medicine Golden Stethoscope Award for his commitment to and passion for student learning. Students mentioned his skill as a physician, passion as a teacher and kindness as a person. “He is dedicated to teaching medical students not only about the medical aspects of psychiatry but also about the humanistic aspects of taking care of sick human beings,” said one student. Another said, “He is an outstanding role model for the kind of resident we hope to become.”

In working with medical students, Dr. Braus enjoys exploring the intersections between psychiatry and other fields of medicine, blending clinical skills training with lessons about the history of medicine, and understanding health care systems.

Dr. Braus is Mayo Clinic’s resident representative with the Minnesota Psychiatric Society. He looks forward to a fellowship in geriatric psychiatry after his residency.

Dr. Braus received his medical degree from the University of Minnesota Medical School in Minneapolis and received a master’s degree in public health from the university. He received his bachelor’s degree from Whitman College in Walla Walla, Washington. After college, he worked for several years as a legislative assistant in the Minnesota State Senate. He grew up in Madison, Wisconsin.
Jeremy Cutsforth-Gregory, M.D., a senior associate consultant and assistant professor in the Department of Neurology, was selected for a Mayo Clinic School of Medicine Golden Stethoscope Award because of his commitment to and passion for student learning. Students say they appreciate his clinically relevant and well-organized didactic teaching during preclinical and clinical neuroscience courses. Specifically, students cited his ability to connect challenging course material to more familiar concepts and his calm, compassionate and professional demeanor.

Dr. Cutsforth-Gregory began teaching clinical neuroscience to Mayo medical students when he was chief resident and continued teaching the course as a clinical fellow. His teaching objectives are to eliminate neurophobia, convince more learners to pursue rewarding careers in neurology, and teach all to recognize common and life-threatening neurologic diseases.

His academic interests include neurologic education, cerebrospinal fluid leaks, postural tachycardia syndrome, atypical parkinsonian disorders and the history of medicine.

Dr. Cutsforth-Gregory completed two fellowships in movement disorders and autonomic disorders and a residency in adult neurology at Mayo Clinic. He received his medical degree from Mayo Clinic School of Medicine and his three bachelor’s degrees (summa cum laude) from Oregon State University in Corvallis. He is a native of Pendleton, Oregon.
Daniela Rakocevic, M.D.

Daniela Rakocevic, M.D. is a third-year psychiatry resident at Mayo Clinic. She was selected for a Mayo Clinic School of Medicine Golden Stethoscope Award because of her dedication to teaching and passion for student learning. Students cited her incredibly empathetic care for very sick patients. In working with medical students, Dr. Rakocevic emphasizes a compassionate approach to patient care: “Embrace each patient as a unique individual – someone you are meeting in a moment of crisis – with a complex and fascinating life story from which you can learn how best to guide them on their journey to health.”

Dr. Rakocevic graduated summa cum laude from the University of Belgrade Faculty of Medicine where she also defended her master’s thesis on the genetics of suicide. Completing an adult psychiatry residency at the Clinical Center of Serbia, she served on staff at the inpatient neuropsychiatric service and was appointed consult liaison psychiatrist to the Clinic of Nephrology – renal transplantation team. She moved to the United States after meeting her husband Marko, a Chicago native working in Europe.

At Mayo Clinic, she is a co-author of the Psychiatry Residency Handbook for Mayo residents, serves on the Adult Psychiatry Education Committee, and is currently working on a quality improvement project for Mayo Clinic Hospital – Rochester, Saint Marys Campus. She plans to pursue a fellowship in psychosomatic medicine.
Stephen J. Riederer, Ph.D.

Stephen J. Riederer, Ph.D., was selected for the Mayo Clinic Graduate School of Biomedical Sciences Dean’s Recognition Award for dedicated service as a member of the leadership of the Biomedical Engineering and Physiology graduate track and for his role as a graduate student mentor, director of a training grant proposal supporting graduate education and advocate with the Mayo Clinic Research Committee.

Dr. Riederer is a professor of radiology and physiology and biomedical engineering in the Mayo Clinic College of Medicine and Science, and director of Mayo Clinic’s Magnetic Resonance Research (MRI) Laboratory in the Department of Radiology, a position he has held since 1988.

He has taught courses in the physics and engineering of medical imaging, including MRI, to hundreds of students since 1984. Students say that his MRI systems courses are among the best they have taken at Mayo Clinic. In 2016, he received the Mayo Clinic Graduate School of Biomedical Sciences Teacher of the Year Award.

He has been principal advisor to more than two dozen Ph.D. students who have gone on to positions in industry and at academic medical centers across the country, including Mayo Clinic. Six of his trainees have been finalists in the Young Investigator Award competition of the International Society for Magnetic Resonance in Medicine (ISMRM).

Dr. Riederer has focused his research career in MRI physics, developing major technical advances in imaging of the brain and the cardiovascular system. A number of these methods are used worldwide in tens of thousands of MRI patient exams every day. The National Institutes of Health (NIH) has supported his work with R01 funding continuously since 1984.

Dr. Riederer was the principal investigator of the NIH Construction Grant that led to the construction of the Opus Building on Mayo Clinic’s campus in Rochester, Minnesota. This building houses imaging research and educational facilities.

He was awarded the Gold Medal of the ISMRM in 2002 for his overall research contributions in MRI. Dr. Riederer was honored as a Distinguished Mayo Investigator in 2010. He is the author or co-author of more than 200 peer-reviewed articles and holds more than 40 U.S. patents. He is an editorial board member for the Journal of Magnetic Resonance Imaging and Magnetic Resonance in Medicine, and past associate editor of Investigative Radiology and Medical Physics.

Dr. Riederer received a Ph.D. in medical physics from the University of Wisconsin-Madison. He received a master’s degree in nuclear engineering from the Massachusetts Institute of Technology in Cambridge, Massachusetts. His bachelor’s degree also is from the University of Wisconsin-Madison. He is a native of Madison, Wisconsin.
William K. Freeman, M.D.

William K. Freeman, M.D., is a recipient of the 2017 Dean's Recognition Award, which recognizes his outstanding contributions toward furthering Mayo Clinic School of Medicine’s vision to educate the physician leaders of tomorrow in patient-centered, science-driven, team-based, high-value health care. Dr. Freeman has been a consultant in the Division of Cardiovascular Diseases in the Department of Internal Medicine at Mayo Clinic in Rochester for 25 years and now practices at Mayo Clinic in Arizona. He is a professor of medicine.

Dr. Freeman has been involved in cardiovascular education at the institutional, national, and international levels for almost three decades. He has been course director of the circulation block curriculum in Mayo Clinic School of Medicine since 2007, and is a member of the Admissions Committee, Curriculum Committee, and Executive Admissions Committee. He has also served as a mentor for internal medicine residents and cardiovascular fellows.

He has worked countless hours to develop and refine the circulation block curriculum over the past decade. Students praise the circulation block curriculum and Dr. Freeman, with accolades such as, “Dr. Freeman is the best teacher in the medical school.” “He established one of the best learning climates I have experienced throughout all of my education.” The circulation block faculty echoes these comments. “Each of us can recall times when Dr. Freeman has helped us become better educators.”

Dr. Freeman received Teacher of the Year awards for Cardiovascular Diseases from the Mayo Fellows Association in 2012 and 2007. He also received the Outstanding Teacher of the Year award from the Cardiovascular Fellowship Program six times throughout his career.

Dr. Freeman was the editor-in-chief of the award winning book Transesophageal Echocardiography, one of the first authoritative texts on this subject, and has published more than 80 peer-reviewed papers and book chapters. His current research interests involve applications of echocardiography in valvular heart disease and structural interventional cardiology.

Dr. Freeman completed his cardiovascular fellowship and an internal medicine residency at Mayo Clinic School of Graduate Medical Education. He received his medical degree from Mayo Clinic School of Medicine in 1981, and is a summa cum laude graduate of the University of St. Thomas in St. Paul, Minnesota. He is a native of Rochester, Minnesota.
Barbara L. Jordan, an education administrator of Mayo Clinic College of Medicine and Science, was chosen for the Dean’s Recognition Award for Diversity and Inclusion in recognition of her outstanding contributions to furthering the Mayo Clinic School of Medicine vision for recruitment and retention of diverse students while creating a learning environment that embraces diversity and inclusion. She makes extraordinary efforts to ensure that all students, including those who are traditionally underrepresented in medicine, have opportunities at Mayo Clinic and feel welcomed and valued. She mentors students, residents and staff, and goes out of her way to maintain contact with visiting premed and medical students.

Jordan has a dual assignment, with leadership responsibility for the Mayo Clinic Quality Academy and the College of Medicine and Science Office for Diversity. Her role in the Office for Diversity is in support of the college’s mission to advance the Mayo Clinic practice by providing recruitment, retention and advancement activities that target students from backgrounds that are underrepresented in medicine and science. In her Quality Academy role, she leads the academy, a comprehensive educational provider at Mayo that provides quality improvement, patient safety and patient experience training for staff across the enterprise.

Jordan has a broad and deep portfolio of community activities and advocacy. She serves on the Board of Directors of the Boys and Girls Club of Rochester, Minnesota, and leads the board’s Development Committee. She has chaired boards of the Rochester Area Chamber of Commerce and the Rochester Diversity Council. She is on the board for the Girl Scouts of River Valleys and is an officer with the board of the Rochester branch of the NAACP.

Jordan has received awards including the NAACP Nancy Hart Award for Service to the Community, Rochester branch of the NAACP; a Distinguished Alumni award from Concordia University in St. Paul, Minnesota; a Dean’s Recognition Award for Service to Mayo Clinic School of Medicine; an Athena Award for Outstanding Woman in Community Leadership from the Rochester Area Chamber of Commerce; and a Champion of Diversity award from the Mayo Clinic Office of Diversity.

Jordan has a master’s degree in organizational management from Concordia University in St. Paul, Minnesota, and a bachelor’s degree from Southern Methodist University in Dallas, Texas.
Gerardo Colon-Otero, M.D.

Gerardo Colon-Otero, M.D., was selected for the Mayo Clinic School of Medicine Distinguished Service Award to honor his commitment to excellence in medical school education and his role in developing and overseeing superb third- and fourth-year clinical experiences. Dr. Colon-Otero is commended for his key role in developing Mayo's Florida medical school campus and ensuring an outstanding experience for medical students. He has a longstanding commitment to education that includes serving as fellowship director and associate program director of Mayo Clinic hematology/oncology, internal medicine and nurse practitioner training programs.

Dr. Colon-Otero is a consultant in the Division of Hematology/Oncology in the Department of Internal Medicine, professor of medicine and associate dean of Mayo Clinic School of Medicine at Mayo Clinic in Florida. He has served on the Mayo Clinic Executive Board, as director of Mayo Clinic strategic planning, as chair of the Mayo Clinic Division of Hematology/Oncology, as a member of the American Board of Internal Medicine-Hematology and as president of the Florida Society of Clinical Oncology. He is co-editor of Breast Journal.

His career includes three decades of caring for breast cancer and gynecologic malignancy and other cancer and hematology patients. He has extensive experience as a principal investigator for all phases of cancer clinical trials, and he directs the enterprise-wide Mayo Clinic Data Safety Monitoring Committee. Dr. Colon-Otero is director of the Mayo Clinic Cancer Center Health Disparities Research Program in Florida, a role that has resulted in relationships with minority-serving institutions in northeast Florida and community-based participatory research projects in the African-American and Hispanic communities.

Dr. Colon-Otero has received awards including a Community Service Award, Mayo Clinic Department of Medicine; Best Teacher Award, Mayo Clinic Hematology/Oncology, Internal Medicine Residency Program; Distinguished Educator Award, Mayo Clinic in Florida; Teacher of the Year Award, Mayo Clinic Hematology/Oncology, Internal Medicine Residency Program; Mayo Clinic McMillan Scholarship recipient; Course Director of the Year, Mayo Clinic School of Continuing Medical Education; and Faculty Recognition Award, Mayo Clinic School of Medicine.

Dr. Colon-Otero completed a fellowship in medical oncology and hematology at the University of Virginia Medical Center in Charlottesville. He also completed a fellowship in hematology and a residency in internal medicine at Mayo Clinic Graduate School of Medical Education in Rochester, Minnesota. He received his medical degree from the University of Puerto Rico School of Medicine and his undergraduate degree from the University of Puerto Rico – both in San Juan.
CONGRATULATIONS FROM
THE MAYO CLINIC ALUMNI ASSOCIATION

The officers and board of directors of the Mayo Clinic Alumni Association welcome you as members. The Association’s mission is to nurture mutually beneficial relationships between Mayo Clinic and the remarkable individuals who participate in its education programs. It was formed by alumni who wished to maintain scientific and social contacts with the people and programs of Mayo Clinic. Since its incorporation in 1915, the Mayo Clinic Alumni Association has grown to include more than 24,000 members in medicine, academia and research throughout the United States and around the world. You now join the ranks of Mayo alumni and alumnae and we are proud to count you among our respected colleagues. Welcome!

Mayo Clinic Alumni Association goals:
• Promote and preserve excellence in the fields of medical practice, education and research.
• Strengthen the bonds of heritage and shared human and professional experience.
• Perpetuate Mayo Clinic’s standard of excellence.

You may contact the Mayo Clinic Alumni Association at:

MAYO CLINIC ALUMNI CENTER
Siebens 5 • 200 First Street, SW • Rochester, Minnesota 55905
507-284-2317 • Fax 507-538-7442
mayoalumni@mayo.edu
alumniassociation.mayo.edu

Mayo Clinic Alumni Association Officers

President
Susheela Bala, M.D., San Bernardino, California

President Elect
Eric S. Edell, M.D., Rochester, Minnesota

Vice President
Carl L. Backer, M.D., Winnetka, Illinois

Secretary/Treasurer
Peter C. Amadio, M.D., Rochester, Minnesota

Past President
Juan Sarmiento, M.D., Atlanta, Georgia
CECEL V. AND ELEANOR A. ABBOTT ENDOVED EDUCATIONAL FUND
Cecil V. and Eleanor A. Abbott

HOWARD W. ALKIRE SCHOLARSHIP
Anonymous Donor

ALUMNI MERIT SCHOLARSHIP
Mayo Clinic Alumni Association

ANDERSEN FOUNDATION SCHOLARSHIP
Andersen Foundation

EDWIN G. AND NONA C. BARTON SCHOLARSHIP
Dr. and Mrs. Edwin G. Barton

CHARLES P. AND MARY E. BELGARDE FAMILY SCHOLARSHIP
Charles P. and Mary E. Belgarde Family Foundation

CORELLA AND BERTRAM F. BONNER M.D.-Ph.D. SCHOLARSHIPS
Corella and Bertram F. Bonner, Sr., and The Corella and Bertram F. Bonner Foundation

ROBERT M. AND LOIS A. BOWEN ENDOVED SCHOLARSHIP
IN MAYO MEDICAL SCHOOL
Robert M. and Lois A. Bowen

LEOTA R. BRAUN ENDOVENTMENT FUND
Victor F. Braun

AMY BROOKS SCHOLARSHIP
Mr. and Mrs. Thomas Brooks
Ms. Watson K. Hall

MARK J. CALLAHAN, M.D., SCHOLARSHIP IN MAYO MEDICAL SCHOOL
Anonymous Donors

DONALD C. CAMPBELL SCHOLARSHIP
Mr. and Mrs. John H. Hollern

JESSIE MARIE CHASE SCHOLARSHIP FUND
Francis and Margot McGovern Trust

COLEMAN FAMILY M.D.-Ph.D. SCHOLARSHIP
Delbert, Neil and Linda Coleman Family

FRANCES WYLIE CONDIT AND CHARLES M. CONDIT SCHOLARSHIP
Mr. and Mrs. Charles M. Condit

DR. JAMES A. COSGRIFF, DR. JAMES A. COSGRIFF, JR., AND ELSIE COSGRIFF SCHOLARSHIP FUND
James A. Cosgriff, Jr. Estate

WILLIAM D. AND ALYCE E. CROTTY SCHOLARSHIP
William D. and Alyce E. Crotty Estate

ALBERT A. AND JANET DALIKIN AND JOEL AND SANDRA DALIKIN
MAYO MEDICAL SCHOOL ENDOVENTMENT FUND
Albert A. and Janet Dalkin and Joel and Sandra Dalkin
MARGARET AND GUS W. DAVIS PHYSICIAN-SCIENTIST SCHOLARSHIP
Mr. and Mrs. Gus W. Davis

FRED H. AND MARIE V. BURANEK DECKER SCHOLARSHIP
Dr. and Mrs. Fred H. Decker Estates

MORRIS AND RUTH J. EBIN MEMORIAL SCHOLARSHIP
The Phillips Family Foundation

SHIRLEY J. EBIN MEMORIAL SCHOLARSHIP
The Phillips Family Foundation

JEAN M. FOX ENDOWMENT FUND FOR MAYO MEDICAL SCHOOL STUDENTS
Jean M. Fox

C.J. “CY” GLASPEL, M.D., AND VIOLA B. GLASPEL SCHOLARSHIP
Viola Glaspel Estate

DR. ALFRED AND RITA GODWARD SCHOLARSHIP
Dr. Alfred and Rita Godward

LUCY B. GOODING SCHOLARSHIP
Mrs. J. Henry Gooding

MARGARET VASSALOTTI CONRAD GOTTLIEB, M.D., ENDOWED SCHOLARSHIP
Margaret V.C. Gottlieb, M.D.

HAMLEN SCHOLARSHIP IN MEMORY OF JAMES CLARENCE HAMLEN, JR., AND ELEANOR CLEVELAND DOWNING HAMLEN
James H. Hamlen

JAMES H. HAMLEN MAYO MEDICAL SCHOOL SCHOLARSHIP
James H. Hamlen

L. B. HARTZ SCHOLARSHIP
Hartz Foundation

WILLIAM RANDOLPH HEARST SCHOLARSHIP
William Randolph Hearst Foundation

HARRY AND MARY E. HELTZER SCHOLARSHIP
Mr. and Mrs. Harry Heltzer and Mr. and Mrs. Paul H. Broyhill

HARRY N. HOFFMAN II HUMANITARIAN STUDENT CLERKSHIP
Mr. and Mrs. John H. Hollern and Family, Friends and Patients of Dr. Harry N. Hoffman II

ROBERT L. HOWELL PHYSICIAN-SCIENTIST SCHOLARSHIP
Robert L. Howell Foundation

ROBERT J. JOHNSON SCHOLARSHIP
Family of Robert J. Johnson

JOHN W. JOYCE, M.D., SCHOLARSHIP IN MEMORY OF JOHN PHILLIP JOYCE
Anonymous Donor
VIRGINIA OTT KIECKHEFER PHYSICIAN-SCIENTIST SCHOLARSHIP
J. W. Kieckhefer Foundation

LEO T. AND ALEXANDRA I. KISSAM SCHOLARSHIP
Mr. and Mrs. Leo T. Kissam

NATHAN LANDOW SCHOLARSHIP
Nathan Landow

DR. VALORUS FREDERICK LANG SCHOLARSHIP
Mrs. Charlotte Purdy Lang

RICHARD KIRWAN LANGAN SCHOLARSHIP
Mrs. Vera Jones Langan

VERA JONES Langan SCHOLARSHIP
Mrs. Vera Jones Langan

SIDNEY LUCKMAN SCHOLARSHIP
Friends of Sidney Luckman

LUND ENDOWMENT FOR EDUCATION
Merton, Karen and George Lund

MAYO MEDICAL SCHOOL SCHOLARSHIP IN HONOR OF DR. THOMAS
VIGGIANO AND DR. RONALD F. KETTERING AND IN MEMORY OF DR.
WILLIAM H. DEARING
LaVerne S. and Dorothy M. Brown

HAYES S. AND MARCIA T. McCallum FUND FOR MEDICAL EDUCATION
Marcia T. McCallum

DWIGHT C. McGOON SCHOLARSHIP
Cardiovascular and Thoracic Surgery Alumni, Patients and Corporations
Goulandris Family

GLENN R. AND DOROTHY J. McGOWAN SCHOLARSHIP
Mr. and Mrs. Glenn McGowan

MINNESOTA MEDICAL ASSOCIATION SCHOLARSHIP
Anonymous Donor

FREDERICK M. MITCHELL SCHOLARSHIP
Mrs. Ruth M. Masson

ROBERT F. AND LOIS M. NAYLOR SCHOLARSHIP
Rev. and Mrs. Robert F. Naylor

ANCHER NELSEN SCHOLARSHIP
The Hon. Ancher Nelsen

DWIGHT OPPERMAN ENDOWED SCHOLARSHIP IN HONOR
OF BURTON ONOFRIO, M.D.
Dwight Opperman

JOHN AND MARY PAPPAJOHN MAYO MEDICAL SCHOOL
SCHOLARSHIP IN HONOR OF TITUS C. EVANS, M.D.
Mr. and Mrs. John Pappajohn
PARAGANO MAYO MEDICAL SCHOOL SCHOLARSHIP
Paragano Family Foundation

G. WALLACE AND DOROTHEA PETERSON SCHOLARSHIP
Mr. and Mrs. G. Wallace Peterson

HENRY J. PHILLIPS MEMORIAL SCHOLARSHIP
The Phillips Family Foundation

JAY PHILLIPS FAMILY SCHOLARSHIP
The Phillips Family Foundation

ROSE PHILLIPS SCHOLARSHIP
The Phillips Family Foundation

VIRGIL A. PLACE, M.D., SCHOLARSHIP
Virgil A. Place, M.D.

WILBUR T. AND GRACE C. POBANZ PREDOCTORAL FELLOWSHIP FUND
Sandra S. Pobanz

KATHIE AND RALPH PONCE DE LEON MAYO MEDICAL SCHOOL
SCHOLARSHIP ENDOWMENT
Ralph and Kathie Ponce de Leon

RAHME MAYO MEDICAL SCHOOL SCHOLARSHIP
Salim and Diana Rahme

VICTOR P. AND MARIE B. REIM SCHOLARSHIP
Mrs. Marie Bremer Reim

RICHARD S. REYNOLDS FOUNDATION SCHOLARSHIP
Richard S. Reynolds Foundation

FRANK C. AND LUDMILA ROBSON SCHOLARSHIP
Frank and Ludmila Robson

PAUL A. AND RUTH M. SCHILLING SCHOLARSHIPS
Mr. and Mrs. Paul A. Schilling

CLARA K. SCHONLAU SCHOLARSHIP
Mr. and Mrs. Theodore Schonlau

WILLIAM AND SHARON SCHOEN SCHOLARSHIP IN HONOR
OF ROBERT L. FRYE, M.D.
William J. and Sharon A. Schoen

SCHOEN FAMILY FOUNDATION SCHOLARSHIP FUND HONORING
ROBERT L. FRYE, M.D.
William J. and Sharon A. Schoen

GEORGE AND MARION SCHWARTZ ENDOURED SCHOLARSHIP FUND
Dr. and Mrs. George Schwartz

SHIRLEY AND HERBERT SEMLER SCHOLARSHIP
Dr. and Mrs. Herbert J. Semler
WALLACE AND EVELYN SIMMERS SCHOLARSHIP
AT MAYO MEDICAL SCHOOL
Mrs. Evelyn Simmers

LENORE SIMON MAYO MEDICAL SCHOOL SCHOLARSHIP FUND
Anonymous Donor

ROBERT H. AND LYNNIE C. SPAHN SCHOLARSHIP
Robert H. and Lynnie C. Spahn

C. V. STARR SCHOLARSHIP
The Starr Foundation

WILLIAM D. AND EVELYN SWEASY SCHOLARSHIP
William D. and Evelyn Sweasy

JACK AND ELLY TAYLOR SCHOLARSHIP
Mr. and Mrs. Jack Taylor and the Jack Taylor Family Foundation

MITCHELL TAYLOR SCHOLARSHIP
Mr. and Mrs. Jack Taylor and the Jack Taylor Family Foundation

JOHN K. TENNANT SCHOLARSHIP
John K. Tennant Trust

MARTHA E. THORNTON SCHOLARSHIP
Martha E. Thornton

PHILLIP L. VETRONE, FRANCES BURKICH-VETRONE AND THOMAS AND MARY BURKICH ENDOWED MAYO MEDICAL SCHOOL SCHOLARSHIP
Phillip L. Vetrone

BRUCE VOLDING SCHOLARSHIP
Mabel Volding Estate

MEAD WITTER FOUNDATION, INC., ENDOWED SCHOLARSHIP FUND IN MAYO MEDICAL SCHOOL
Mead Witter Foundation, Inc.

ARTHUR LEE WRIGHT SCHOLARSHIP
Mr. and Mrs. Robert A. Wright

NANCY MANSFIELD YEKNIK STUDENT SCHOLARSHIP
Nancy Mansfield Yeknik