48th Commencement Exercises

FridAy, May Tenth, Two-THousand Nineteen
John F. Savage Arena
May 10, 2019

Dear Graduates,

On this occasion of the Forty-eighth Commencement Exercises of The University of Toledo College of Medicine and Life Sciences, I am proud to honor you for your exceptional effort and achievements. In all of these experiences, I’ve come to appreciate and be proud of your talents and dedication. I also want to welcome your family, friends, and others who supported you throughout your education at The University of Toledo. I also want to take this opportunity to recognize the faculty and staff who, consistent with the mission of the university and the college, worked tirelessly with you to improve the health of our communities and region and have worked with you to help develop your talents and knowledge in research and clinical care.

I join with the Board of Trustees, President, and the faculty and alumni of this great college and university in welcoming you into the alumni from The University of Toledo College of Medicine and Life Sciences. You will always be linked to this college and institution and we to you. I call upon each of you graduating today to remain involved in the growth and progress of our college. Including today’s graduating class of 231 students, over 8,500 alumni of The University of Toledo College of Medicine and Life Sciences have moved forward from their graduation day to meet the needs of society through their life’s work as physicians, scientists, physician assistants, and professionals in global health, human donation sciences, and other health care disciplines.

To the Class of 2019, I wish you the very best as you go out to conquer society’s challenges and become a part of the rich tradition that has set the pace for the future of The University of Toledo College of Medicine and Life Sciences.

Sincerely,

Christopher J. Cooper, M.D.
Executive Vice President for Clinical Affairs
Dean of the College of Medicine and Life Sciences
Professor, Department of Medicine
The Medical College of Ohio at Toledo (MCO) was established by action of the Ohio General Assembly on December 18, 1964. Originally called the Toledo State College of Medicine until it was re-named MCO in 1967, the new medical school was the culmination of several feasibility studies commissioned at the local, state, and national levels to address a growing physician workforce shortage. The institution’s nine-member Board of Trustees, named by Governor James Rhodes, held its first meeting in January 1965. In April 1966, the Board named Glidden L. Brooks, M.D, associate vice president and director of the Institute of Health Sciences at Brown University, as the college’s first president. Robert G. Page, M.D., was hired as the first dean of the School of Medicine, joining MCO in September 1968 from the University of Chicago.

When the first class of 32 medical students began studies on September 11, 1969, MCO was the fourth medical school in Ohio and the 100th in the nation. The campus was located on the corner of South Detroit and Arlington Avenues, along with the former Maumee Valley Hospital, the current site of the Area Office on Aging. The first class of medical students graduated on June 2, 1972.

The MCO master plan, developed by Minoru Yamasaki and Associates, the architect who designed the twin towers of the World Trade Center, called for college development on 346 acres of land between Arlington and Glendale Avenues acquired from the Ohio Department of Mental Hygiene and Corrections. Designed by Yamasaki, construction of the first building on the new campus, the Health Science Building, began in late 1970 and was completed in 1973. In 1995, the building was named after Paul Block Jr., one of MCO’s founding fathers, who was the first chairman of the institution’s Board of Trustees.

MCO’s second president, Marion C. Anderson, M.D., served from 1972 to 1977. During Dr. Anderson’s administration, the first three buildings on the new campus were completed - the Paul Block Jr. Health Science Building, the Raymon Mulford Library and the Health Education Building. John P. Kemph, M.D. was named the second dean of the College of Medicine and vice president for academic affairs in September 1974, serving until his retirement in August 1985. The Ohio Board of Regents approved the creation of the Graduate School in 1975. Liberato J. A. DiDio, M.D., Ph.D., D.Sc., the first faculty member hired at MCO and the first chairman of the Department of Anatomy, also served as the first dean of the Graduate School.

Richard D. Ruppert, M.D., MCO’s third president, held office from 1977 until his retirement in 1993. Under Dr. Ruppert, MCO expanded clinical services and patient care, increased biomedical research activities, expanded academic offerings, and completed the campus master plan that was approved by the college’s first board of trustees. This included completion of the MCO Hospital, the Lenore W. and Marvin S. Kobacker Center, and the Richard D. Ruppert Health Center. These clinical sites are now collectively known as The University of Toledo Medical Center. In addition, construction of the Ida Marie Dowling Hall, the Eleanor N. Dana Conference Center, the Toledo Hilton Hotel and the Dorothy and Ashel Bryan Academic Commons were completed. In 1986, Dr. Ruppert and the Board of Trustees appointed Frank Standaert, M.D., Ph.D., the third dean of the College of Medicine and vice president for academic affairs. Peter J. Goldblatt, M.D., was appointed the second dean of the Graduate School in 1986, and was succeeded by Keith K. Schlender, Ph.D., in 1990.

Richard F. Leighton, M.D., professor and chief of the Division of Cardiology in the Department of Medicine, was named the fourth dean of the College of Medicine and vice president for academic affairs in 1990. During his six-year tenure he helped forge agreements with area health care institutions to serve as clinical training sites for students and residents. He was also instrumental in negotiating the cooperative registration agreement that allowed the exchange of graduate students between MCO, the University of Toledo, and Bowling Green State University, including the Master of Public Health (MPH) program, the first graduate program in Ohio involving three state institutions, which was approved by the Ohio Board of Regents in 1997.

Roger C. Bone, M.D., the college’s fourth president, held office for three years, beginning in 1993. During his tenure, he set into motion a series of initiatives that were aimed at preparing the college and its hospitals for the major changes occurring in health education and health care.
Brief History of The University of Toledo
College of Medicine and Life Sciences

MCO’s fifth president, Frank S. McCullough, M.D., and Amira F. Gohara, M.D., the College of Medicine’s fifth dean and executive vice president/provost, both took office in 1996. Under the leadership of Drs. McCullough and Gohara, a strategic vision for making MCO a nationally recognized leader in health education was adopted by the Board of Trustees. In the fall of 1996, the Collier Building opened, named for Howard L. Collier, who served as finance director for the state of Ohio under former Governor Rhodes and later as vice president of finance at MCO from 1972-1985. Major additions and renovations were also completed to the Mulford Library Building, Dowling Hall, and the Hospital; the $11 million Center for Creative Education opened in 2003 featuring the Center for Creative Instruction, the Academic Test Center, and the Ruth M. Hillebrand Clinical Skills Center. In 2002, Dr. Gohara took on the additional responsibilities of interim president when Dr. McCullough went on medical leave.

Lloyd A. Jacobs, M.D., was appointed the sixth president of MCO in November 2003. Prior to coming to Toledo, he was chief operating officer of the University of Michigan Health System and senior associate dean for clinical affairs at the University of Michigan Medical School. In June 2005, MCO was renamed the Medical University of Ohio (MUO) to reflect the institution’s growth. The following year, Ohio state legislators passed a historic bill that merged MUO with the University of Toledo (UT), which was acclaimed as perhaps the most significant event in higher education in Ohio in over 50 years. Dr. Jacobs was selected to lead the merged universities, becoming the sixteenth president of The University of Toledo on July 1, 2006. Under his leadership, Dr. Jacobs guided the University and its three campuses – the Main Campus, the Health Science Campus (former MUO) and the Scott Park Campus of Innovation and Energy – on a strategic path to become a thriving, student-centered, community-engaged, comprehensive research university known for its strong liberal arts core and multiple nationally ranked professional colleges, and distinguished by exceptional strength in science and technology.

In May 2005, Jeffrey P. Gold, M.D., became the sixth dean of the College of Medicine and executive vice president of the Medical College of Ohio. In 2010, he was named Chancellor and Executive Vice President for Biosciences and Health Affairs. During this time, numerous integrated centers on the Health Science Campus and the University of Toledo Medical Center opened including The George Isaac Minimally Invasive Surgery Center of Excellence, the Orthopaedic Center, the Heart & Vascular Center, The Joan and Julius H. Jacobson II Center for Clinical and Translational Research, the Lloyd A. Jacobs Interprofessional Immersive Simulation Center, the Frederic and Mary Wolfe Center, the Eleanor N. Dana Cancer Center, and the Medical Pavilion and Gardner-McMaster Parkinson Center.

Following Dr. Gold’s nine-year tenure as dean, Christopher J. Cooper, M.D., professor and chairman of the Department of Medicine, became the seventh dean of the University of Toledo College of Medicine and Life Sciences and executive vice president for clinical affairs in August 2014. The following spring, the college announced a partnership with Toledo-based health system ProMedica. The partnership establishes a 50-year affiliation between the college and the health system that enriches the quality of medical education and expands clinical training capacity in Toledo. In July 2016, the first class of students and residents began training under the Academic Affiliation, utilizing new learning space, and filling clinical learning opportunities at ProMedica Toledo Hospital. University learners in pediatrics, surgery, internal medicine sub-specialties and emergency medicine are on-site at ProMedica Toledo Hospital for clerkships and residencies. By fostering new partnerships for academic excellence and expanded opportunities for clinical training and residency placement, UT is on a long-term mission to recruit top-performing students, educate them to be the best doctors, advanced practitioners and research scientists, and retain them in northwest Ohio as they build their careers.

Including today’s graduating class, The University of Toledo College of Medicine and Life Sciences has conferred approximately 5,573 doctor of medicine degrees, 483 doctor of philosophy in biomedical sciences degrees, 2,074 master’s degrees in biomedical sciences, public health, occupational health, physician assistant studies, nursing, and health professions, and 305 graduate certificates in pathology, contemporary gerontological practice, global public health, and health and medical education have been awarded. Today, The University of Toledo College of Medicine and Life Sciences has more than 390 full- and part-time faculty members and more than 1,000 community-based faculty members.
<table>
<thead>
<tr>
<th>Year</th>
<th>Honorees</th>
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| 1972 | John Rusten Hogness, M.D.  
Robert Bruce Merrifield, Ph.D.  
Robert M. Zollinger, M.D. |
| 1973 | Robert A. Good, M.D., Ph.D.  
Irvine H. Page, M.D.  
Rubin H. Flocks, M.D. |
| 1974 | Britton Chance, Ph.D.  
John A. D. Cooper, M.D. |
| 1975 | Norman Kretchmer, M.D., Ph.D.  
Keith R. Porter, Ph.D.  
W. R. Willard, M.D. |
| 1976 | Alene B. Duerk  
A. M. Harvey, M.D.  
William A. Sodeman, Sr., M.D. |
| 1977 | D. Carleton Gajdusek, M.D.  
Sir Robert Macintosh, D.M.  
Lawrence E. Young, M.D. |
| 1978 | John P. Hubbard, M.D.  
Walter H. Seegers, Ph.D.  
Eugene A. Stead, Jr., M.D. |
| 1979 | Paul B. Beeson, M.D.  
Paul R. Gross, Ph.D.  
Frank F. A. Rawling, M.D. |
| 1980 | Michael E. DeBakey, M.D.  
Henry L. Morse  
Charles Rammelkamp, Jr., M.D.  
Walter F. Riker, Jr., M.D. |
| 1981 | Michael J. Damas  
Richard M. Krause  
Bernard Lachner, M.B.A.  
James V. Neel, M.D., Ph.D.  
Thomas L. Stern, M.D. |
| 1982 | Edward Vaughn Evarts, M.D.  
Loretta C. Ford, Ed.D., R.N.  
James A. Rhodes |
| 1983 | Frank J. Dixon, M.D.  
Charlotte Friend, Ph.D.  
Frederick C. Robbins, M.D. |
| 1984 | Harold F. Falls, M.D.  
F. Story Musgrave, M.D.  
James B. Wyngaarden, M.D. |
| 1985 | Maclyn McCarty, M.D.  
Edmund D. Pellegrino, M.D.  
Jonathan Evans Rhoads, M.D. |
| 1986 | George Libman Engel, M.D.  
Ruth L. Kirschstein, M.D.  
James V. Warren, M.D. |
| 1987 | Delbert Latta  
Lloyd H. Smith, M.D.  
Robert G. Petersdorf, M.D.  
T. Franklin Williams, M.D. |
| 1988 | Bernard B. Brodie, Ph.D.  
Ada Sue Hinshaw, Ph.D., R.N.  
Victor A. McKusick, M.D. |
| 1989 | Ann Landers  
Hans Neurath, Ph.D.  
Louis W. Sullivan, M.D.  
Danny Thomas |
| 1990 | Robert C. Gallo, M.D.  
Lewis L. Judd, M.D.  
Antonia Coello Novello, M.D., M.P.H.  
Arnold S. Relman, M.D. |
| 1991 | Elwood V. Jensen, M.D.  
Harold A. McMaster  
George W. Thorn, M.D.  
Rosalyn S. Yalow, Ph.D. |
| 1992 | James P. Comer, M.D.  
Bernadine P. Healy, M.D.  
David P. Rail, M.D., Ph.D.  
Ora L. Strickland, Ph.D., R.N. |
| 1993 | Edmond H. Fischer, Ph.D.  
John Glenn  
Edwin G. Krebs, M.D. |
| 1994 | Mary McKinney Edmonds, Ph.D., P.T.  
Willis C. Maddrey, M.D.  
Lucien E. Morris, M.D.  
Wilbur H. Sawyer, M.D., Ph.D. |
College of Medicine and Life Sciences
Honorary Degree Recipients

Degrees were conferred at College of Medicine Commencement except as otherwise noted.

1995
Stephen Abrahamson, Ph.D.
William F. Ganong, M.D.
George D. Lundberg, M.D.
Angela McBride, Ph.D., M.S.N., B.S.N.

1996
Ashel G. Bryan
J. Warren Perry, Ph.D.
Donald W. Seldin, M.D.

1997
Geraldene Felton, Ed.D., R.N., F.A.A.N.
Robert Furchgott, Ph.D.
William B. Kannel, M.D.

1998
John M. Fredrickson, M.D.
Jerome P. Kassirer, M.D.
George O. Ojemann, M.D.
Richard D. Ruppert, M.D.

1999
Dorothy Brooten, Ph.D., R.N., F.A.A.N.
George Isaac
Holmes Morton, M.D.

2000
Elsa L. Brown, Ph.D., R.N.
Richard F. Leighton, M.D.
Robert G. Page, M.D.

2001
John M. Howard, M.D.
Bernard Lown, M.D.
Beverly L. Malone, Ph.D., R.N., F.A.A.N.
David Satcher, M.D., Ph.D.

2002
Leah Curtin, M.A., M.S., R.N.
Jamie Farr
Claude Lenfant, M.D.

2003
U.S. Rep. Marcy Kaptur
Ara Parseghian
Robert W. Schrier, M.D.

2004
Daniel K. Inouye
Claude H. Organ, Jr., M.D.

2005
Allan Block
John Robinson Block
Patrick J. Mulrow, M.D.

2006
Tim Porter-O’Grady, Ed.D., A.P.R.N., F.A.A.N.
Raymond R. Sackler,
Hon KBE, M.D.
Walter B. Shelley, M.D., Ph.D., M.A.C.P.
Kenneth I. Shine, M.D.

2007
Darrell G. Kirch, M.D.

2008
David C. Leach, M.D.

2009
Sir Bruce Edward Keogh,
K.B.E., M.D.

2010
Herbert Pardes, M.D.
Kevin B. Weiss, M.D., M.P.H.

At UT Fall Commencement
James C. Stanley, M.D.

2011
Risa Lavizzo-Mourey,
M.D., M.B.A.

At the Health Science Campus
Research Day
Ferid Murad, M.D., Ph.D.

2012
Jo Ivey Boufford, M.D.
Chancellor James M. Petro, J.D.

2013
Thomas J. Nasca, M.D., MACP

2014
James L. Madara, M.D.
U.S. Sen. Rob Portman, J.D.

2015
Yvette Roubideaux, M.D., M.P.H.

2016
Susan Y. Desjardins, M.A.

2017
Mehran Anvari, M.B.B.S., Ph.D., F.R.C.S.C., F.A.C.S

2018
Josiah D. Rich, M.D., M.P.H.

2019
Scott Parazynski, M.D.

May 10, 2019
Commencement is a ceremony that is steeped in ecclesiastically-based tradition that dates to medieval times. These roots are most evident in the traditional garments worn by the faculty and students, which have evolved from the robes, caps, and hoods worn by the monks who founded Oxford University in the eleventh century and Cambridge University in the twelfth century.

In the United States, the academic regalia were first adopted as ceremonial attire for college officials in 1754 at the institution now known as Columbia University. In 1885, students in many of the country’s colleges and universities launched a movement to permit graduating candidates to wear robes and caps during commencement exercises. Today, every detail of the academic regalia has significance, including every color, style of hat, and cut of the sleeve of the academic gown. These details were standardized at a meeting in 1895 in New York City hosted by Columbia University for university officials from across the country. The group, named the Intercollegiate Commission, established and adopted the country’s first code of color and design for the academic garb. Today’s academic regalia reflect the modifications to the code accepted in 1960 and adopted by nearly 95% of the nation’s postsecondary institutions.

The Intercollegiate Commission standardized the black Oxford or mortarboard style cap that is worn for all degrees. Only the doctoral degree cap may be round and can be made of velvet. Only doctoral degree holders or presidents of institutions may wear a gold tassel on the cap. The color of the tassel generally represents the color of one’s academic discipline.

In the United States, the academic robe is most often black; some institutions, however, sanction the use of specific colors. The length of the robe, the width of the sleeves, and the cut of the gown identify the degree level achieved by the gown’s wearer. The bachelor’s degree gown is knee length, has pointed sleeves, and is worn closed. The master’s degree gown is calf length, has oblong-cut sleeves slit at the wrist, and is worn open or closed. The doctoral degree gown is ankle length, has bell-shaped sleeves usually crossed with bands of velvet, and is worn open or closed. In addition, the doctoral degree gown usually has velvet panels down the front. The velvet panels often reflect the color of the academic discipline, e.g., green for recipients of the doctor of medicine degree and royal blue for the doctor of philosophy degree.

The hood is considered the most important and distinctive feature of academic regalia in the American system. The length of the hood distinguishes the degree it represents - the longer the hood drapes in the back, the higher the degree. The color of the velvet binding of the hood identifies the specialized field of study. These colors include green for medicine, royal blue for philosophy, golden yellow for science, salmon for public health and occupational health, and golden yellow for physician assistant studies. The colors in the satin lining of the hood represent the institution granting the degree regardless of the discipline. Therefore, all hoods awarded today at commencement are lined in blue and gold representing the academic colors of The University of Toledo.

The academic regalia adds dignity and style to graduation, emphasizing tradition and the importance of past wisdom in the process of learning.

The above information was adapted from materials provided by Temple University, Defiance College, and American Universities and Colleges, 13th Edition.
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Department of Urology

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Department of Family Medicine

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Department of Neurology

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Department of Obstetrics and Gynecology

Kandace Williams, Ph.D.
Associate Dean, College of Medicine and Life Sciences
Graduate Programs
Professor, Department of Cancer Biology

Jian-Ting Zhang, Ph.D.
Professor and Chair
Department of Cancer Biology

May 10, 2019
College of Medicine and Life Sciences Commencement

Presiding:
Christopher J. Cooper, M.D.

Processional
“Pomp and Circumstance,” Edward Elgar (1857 - 1934)

Performed by: Glass City Brass
Thaddeus Archer—Trumpet
Tony Buccilli—Trombone
Justin Rhoades—French Horn
Rob Stierman—Tuba
Ric Wolkins—Trumpet

The Academic Procession
Grand Marshal ........................................................... Shobha Ratnam, M.D.
President, College of Medicine Council

Members of the Administration
Board of Trustees
Candidate for the Honorary Degree of Doctor of Science
Representatives of Colleges, Universities, Learned Societies, and Professional Organizations
College Faculty

Welcome and the Introduction of the National Anthem ............. Christopher J. Cooper, M.D.

Presentation of Colors
The University of Toledo Army ROTC, Rocket Battalion

The Star Spangled Banner
Performed by: Docapella and Vocal Remedy

Welcome and Recognition of Distinguished Guests ............................... Sharon L. Gaber, Ph.D.

Presentation of Scott Parazynski, M.D. ........................................ Mary Ellen Pisanelli
for the Degree of Doctor of Science, *honoris causa degree*

Conferring the Honorary Degree of Doctor of Science ........................ Sharon L. Gaber, Ph.D.

Awarding of the Honorary Degree of Doctor of Science ................... Christopher J. Cooper, M.D.
and Paul Schaefer, M.D., Ph.D.

Commencement Address ................................................................. Scott Parazynski, M.D.

Presentation of the Degree Candidates ............................................ Kandace Williams, Ph.D.
and Paul Schaefer, M.D., Ph.D.

Conferring the Degrees and Graduate Certificates .......................... Sharon L. Gaber, Ph.D.

Candidates for the Degree of Doctor of Philosophy in Biomedical Sciences ....... Kandace Williams, Ph.D.

Candidates for the Degree of Master of Science in Biomedical Sciences ........ Kandace Williams, Ph.D.

Graduate Student Commencement Speech ................................. Brian Youseff, M.D., Ph.D.

Candidates for the Degrees of Doctor of Medicine .......................... Paul Schaefer, M.D., Ph.D.
and Doctor of Philosophy in Biomedical Sciences

Candidates for the Degrees of Doctor of Medicine and Juris Doctor ........ Paul Schaefer, M.D., Ph.D.

Candidates for the Degrees of Doctor of Medicine .......................... Paul Schaefer, M.D., Ph.D.
and Master in Business Administration

Candidates for the Degrees of Doctor of Medicine .......................... Paul Schaefer, M.D., Ph.D.
and Master in Public Health

Candidates for the Degree of Doctor of Medicine .......................... Paul Schaefer, M.D., Ph.D.
and Graduate Certificate in Pathology

Candidates for the Degree of Doctor of Medicine .......................... Paul Schaefer, M.D., Ph.D.

Recitation of the Physician’s Oath ................................................ Richard Voigt, M.D.

Oath of Office for Supercession Ceremony .............................. Michael W. Ellis, M.D., LTC (Ret.), MC, USA

Medical Student Commencement Speech ........................................ Matthew Metzinger, M.D.

Alumni Association Greeting ....................................................... Michael McCrea, M.D.

Closing Remarks ................................................................. Christopher J. Cooper, M.D.

**Recessional**

“Rondeau” Jean-Joseph Mouret (1682 - 1738)
Performed by Glass City Brass
Honorary Doctor of Science

Scott Parazynski, M.D.

A physician, astronaut and inventor, Dr. Scott Parazynski spent 17 years as an astronaut during which time he flew five space shuttle missions and conducted seven spacewalks. In 2016, he was inducted into the U.S. Astronaut Hall of Fame at Kennedy Space Center. He is the first and so far the only astronaut to scale Mt. Everest.

Dr. Parazynski trained for a career in emergency medicine and trauma and has expertise in the human adaptation to stressful environments. He is founder and CEO of Fluidity Technologies, a company focused on developing disruptive robotic control devices for everything from drones to surgical robots.

He has lived and traveled all over the world including places such as Dakar, Senegal; Beirut, Lebanon; Tehran, Iran; and Athens, Greece. He received a Bachelor of Science degree in Biology from Stanford University and his medical degree from Stanford Medical School. He went on to train at Harvard and in Denver in preparation for a career in emergency medicine and trauma. He has numerous publications in the field of space physiology with particular expertise in human adaptation to stressful environments.

A former NASA Astronaut, Dr. Parazynski has flown five space shuttle missions and conducted seven spacewalks. In his 17 years as an Astronaut, he served in numerous senior leadership roles, including Extravehicular Activity (EVA) Branch Chief and Lead Astronaut for Space Shuttle Thermal Protection System Inspection & Repair in the aftermath of the Space Shuttle Columbia tragedy. One of his mission highlights includes serving as Senator John Glenn’s crewmate and “personal physician” during STS-95. He is only the second astronaut to perform four EVAs on a single Space Shuttle mission. His final EVA is regarded by many as one of the most challenging and dangerous ever performed as he was positioned by a 90-foot robotic boom farther than any orbiting astronaut had ever ventured from the safety of their airlock. In total, Dr. Parazynski spent over eight weeks in space with more than 47 hours outside on spacewalks traveling over 23 million miles in orbit.

Dr. Parazynski is also a commercial, instrument, multiengine and seaplane-rate pilot with over 2,500 flight hours. He has climbed in the Alaska Range, the Cascades, the Rockies, the Alps, the Andes and the Himalayas. He is a lifelong scuba diver and conducted a scientific dive in the summit caldera lake of 19,700-foot Licancabur volcano, the world’s highest lake, as part of a NASA-sponsored expedition to the high Andes.

As Founding Director and Chief Medical Officer of The University of Texas Medical Branch’s Center for Polar Medical Operations, Dr. Parazynski oversaw the medical screening and on-ice care of the National Science Foundation’s U.S. Antarctic Program. In 2014, he was designated as University Explorer and Professor of Practice at Arizona State University. He is a prolific inventor and product developer and serves on the Boards of several organizations and companies.

Dr. Parazynski has received numerous prestigious awards including five NASA Spaceflight Medals, two NASA Distinguished Service Medals, two NASA Exceptional Service Medals, two Vladimir Komarov Diplomas from the Fédération Aéronautique Internationale, two Flight Achievement Awards from the American Astronautical Association, the Aviation Week Laureate Award, the Antarctica Service Medal just to name a few. He was a Top 10 competitor in the 1988 U.S. Olympic Luge Team trials and coach for the Philippines during the 1988 Calgary Olympic Winter Games. He is a member of the Arkansas Aviation Hall of Fame and was inducted into the U.S. Astronaut Hall of Fame in 2016.
Doctor of Philosophy in Biomedical Sciences

Daniel Craig
Ph.D., Cancer Biology
Advisor: James C. Willey, M.D.
Dissertation Title: Low Frequency Mutations in Normal Bronchial Epithelial Cells of Smokers Associated with Lung Cancer Risk
Certificates: Bioinformatics & Biomarkers, Biostatistics & Epidemiology

Gardiwasam Kalpana
Ph.D., Cancer Biology
Advisor: Kam Yeung, Ph.D.
Dissertation Title: RKIP-RhoA axis in breast cancer invasion and metastasis

Muhammed Saad Moledina
Ph.D., Medical Microbiology & Immunology
Advisor: R. Mark Wooten, Ph.D.
Dissertation Title: Role of Borrelia burgdorferi-elicited IL-10-mediated Suppression of Innate Immune Response in Murine Skin

Cara DeAngelis
Ph.D., Medical Microbiology & Immunology
Advisor: Jyl Matson, Ph.D.
Dissertation Title: Characterization of the Vibrio cholerae Phage Shock Protein Response

Xiaoming Fan
Ph.D., Molecular Medicine
Advisor: Jiang Tian, Ph.D.
Dissertation Title: Regulation of Na/K-ATPase and its Role in Cardiac Disease
Master of Science in Biomedical Sciences

Madeleine Andres  
M.S.B.S., Human Donation Science

Serkan Balyimez  
M.S.B.S., Medical Physics

Joshua Busken  
M.S.B.S., Medical Sciences

Tori Lee Carney  
M.S.B.S., Medical Sciences

Trisha Clark  
M.S.B.S., Medical Sciences

Steven Dick  
M.S.B.S., Medical Sciences

Lindsay Fannin  
M.S.B.S., Medical Sciences

Deepti Gurung  
M.S.B.S., Bioinformatics and Proteomics/Genomics

Jonathan Hamen  
M.S.B.S., Assistant in Pathology

Prabhjot Kaur  
M.S.B.S., Bioinformatics and Proteomics/Genomics
Master of Science in Biomedical Sciences

Sarah Kearney
M.S.B.S., Medical Sciences

Rajan Paudel
M.S.B.S., Bioinformatics and Proteomics/Genomics

Christian Langmack
M.S.B.S., Medical Physics

Kaleb Perez
M.S.B.S., Medical Sciences

Oluwatobi Lasisi
M.S.B.S., Bioinformatics and Proteomics/Genomics

Mitchel Perry
M.S.B.S., Medical Sciences

Derek Nelson
M.S.B.S., Assistant in Pathology

Zachary Schreckenberger
M.S.B.S., Medical Sciences

Mary Oakey
M.S.B.S., Medical Physics

Olivia Senko
M.S.B.S., Assistant in Pathology
Master of Science in Biomedical Sciences

Nicole Seremetis  
M.S.B.S., Physician Assistant

Iman Tassavor  
M.S.B.S., Medical Sciences

Geetika Singh  
M.S.B.S., Oral Biology  
Certificate: Pediatric Dentistry

Vy Tran  
M.S.B.S., Oral Biology  
Certificate: Pediatric Dentistry

Benjamin Talbot  
M.S.B.S., Medical Sciences

Kayla VonSeggern  
M.S.B.S., Physician Assistant

Doctor of Medicine and Doctor of Philosophy

Erin Semple  
Ph.D., Neurosciences & Neurological Disorders  
Advisor: Jennifer W. Hill, Ph.D.  
Dissertation Title: Hypothalamic Melanocortin 4 Receptors Regulate Sexual Behavior in Mice  
Residency: Psychiatry  
University of Michigan Hospitals  
Ann Arbor, MI

Brian Youseff  
Ph.D., Medical Microbiology & Immunology  
Advisor: Roger Travis Taylor, Ph.D.  
Dissertation Title: The Role of Tumor Necrosis Factor Receptor-Associated Factor 6 in Tick-borne Flavivirus Infection  
Residency: Family Medicine  
Fairview Hospital  
Lakewood, OH

Jeffrey Xie  
Ph.D., Molecular Medicine  
Advisor: Steven Haller, Ph.D.  
Dissertation Title: Molecular Insights into Chronic Kidney Disease  
Residency: Internal Medicine  
University of Michigan Hospitals  
Ann Arbor, MI
Doctor of Medicine and Juris Doctor

Mark Fadel
J.D.
Residency: Otolaryngology
UPMC Medical Education
Pittsburgh, PA

Alexis Holman
J.D.
Residency: Anesthesiology
University of Michigan Hospitals
Ann Arbor, MI

Doctor of Medicine and Master of Business Administration

Chinonso Agubosim
M.B.A., Administration
Residency: Emergency Medicine
University of Michigan Hospitals
Ann Arbor, MI

Matthew Minotti
M.B.A., Administration
Residency: Emergency Medicine
Akron General Medical Center/ NEOMED
Akron, OH

Doctor of Medicine and Master of Public Health

Alexandra Lekson
M.P.H.
Residency: Emergency Medicine
University of Toledo
Toledo, OH

Doctor of Medicine and Graduate Certificate in Pathology

Wesley Judy
Residency: Pediatrics
Nemours Children’s Hospital
Orlando, FL

Andrew Kobalka
Residency: Pathology
University of Toledo
Toledo, OH

May 10, 2019
Doctor of Medicine

Rachel Ain
Residency: Family Medicine
University of Toledo
Toledo, OH

Melissa Babcook
Residency: Internal Medicine/Research
Ohio State University Medical Center
Columbus, OH

Yasaman Alam
Residency: Neurological Surgery
University of Alabama Medical Center
Birmingham, AL

Omar Badawi
Residency: Internal Medicine
Riverside Methodist
Columbus, OH

Noah Alcodray
Residency: Anesthesiology
Case Western/University Hospitals, Cleveland Medical Center
Cleveland, OH

John Bambeck
Residency: Emergency Medicine
UPMC Medical Education
Pittsburgh, PA

Joseph Alecusan
Residency: Pediatrics
University of Toledo
Toledo, OH

Elias Bassil
Residency: Internal Medicine
Cleveland Clinic Foundation
Cleveland, OH

Emily Armbruster
Residency: Family Medicine
Wright State University Boonshoft SOM
Dayton, OH

Austin Beam
Residency: Pediatrics
Wright State University Boonshoft SOM
Dayton, OH
Kevin Becker
Residency: Orthopaedic Surgery
Indiana University SOM
Indianapolis, IN

Rachel Beeson
Residency: Internal Medicine
University of Michigan Hospitals
Ann Arbor, MI

Caylie Bell
Residency: Psychiatry
University of Toledo
Toledo, OH

Andrew Bishop
Residency: Thoracic Surgery
University of Kentucky Medical Center
Lexington, KY

Jennifer Blanda
Residency: Orthopaedic Surgery
Atlanta Medical Center
Atlanta, GA

Jared Bobulski
Residency: Anesthesiology
University of Alabama Medical Center
Birmingham, AL

Joseph Brooks
Residency: Emergency Medicine
George Washington University
Washington, DC

Robert Brunner
Residency: Urology
Baylor University
Houston, TX

Taylor Buckley
Residency: Family Medicine
Bethesda Hospital
Cincinnati, OH

Keith Burns
Residency: Internal Medicine
UPMC Medical Education
Pittsburgh, PA
Morgan Butcher  
**Residency:** Emergency Medicine  
Henry Ford Hospital  
Detroit, MI

Katherine Chenevey  
**Residency:** Family Medicine  
ProMedica Monroe Regional Hospital  
Monroe, MI

Alexander Calderone  
**Residency:** Pediatrics  
Children’s Hospital-NEOMED  
Akron, OH

Joshua Clark  
**Residency:** Emergency Medicine  
University of North Carolina Hospitals  
Chapel Hill, NC

Nicholas Capaldo  
**Residency:** Internal Medicine  
Western Reserve Hospital  
Cuyahoga Falls, OH

Brandon Cobbins  
**Residency:** Internal Medicine  
Madigan Army Medical Center  
Tacoma, WA

Arjun Chandra

Megan Crippen  
**Residency:** Pediatrics  
Spectrum Health/Michigan State University  
Grand Rapids, MI

Matthew Dailey  
**Residency:** Neurology  
University of Cincinnati Medical Center  
Cincinnati, OH

Zheng Che  
**Residency:** Internal Medicine  
University of Michigan Hospitals  
Ann Arbor, MI
Kyle Dammeyer  
**Residency:** Radiology-Diagnostic  
Henry Ford Hospital  
Detroit, MI

Timothy Drotar  
**Residency:** Family Medicine  
St. Luke’s Hospital  
Perrysburg, OH

Alexander Dang  
**Residency:** Internal Medicine  
University of Texas Medical Branch  
Galveston, TX

James Dugan  
**Residency:** Internal Medicine  
Case Western/University Hospitals,  
Cleveland Medical Center  
Cleveland, OH

Anthony DeLeonibus  
**Residency:** Plastic Surgery (Integrated)  
Cleveland Clinic Foundation  
Cleveland, OH

Austin Dupont  
**Residency:** Pediatrics  
University of Toledo  
Toledo, OH

Michael DeVries  
**Residency:** General Surgery  
University of Toledo  
Toledo, OH

Robert Easterling  
**Residency:** Internal Medicine  
Ohio State University Medical Center  
Columbus, OH

Xavier Douglas  
**Residency:** Family Medicine  
Christ Hospital  
Cincinnati, OH

Omar Elnaggar  
**Residency:** Anesthesiology  
Jackson Memorial Hospital  
Miami, FL
Megan Emerson  
**Residency:** Anesthesiology  
Indiana University SOM  
Indiana, IN  
*Surgery-Preliminary*  
University of Toledo  
Toledo, OH

Patrick Flanagan  
**Residency:** Internal Med/Clin Ed  
Cleveland Clinic Foundation  
Cleveland, OH

Deniz Eren  
**Residency:** Emergency Medicine  
Case Western/University Hospitals,  
Cleveland Medical Center  
Cleveland, OH

Kevin Frank  
**Residency:** Medicine-Emergency Medicine  
Zucker SOM at Hofstra/Northwell  
New Hyde Park, NY

Parisa Eskandari  
**Residency:** Pediatrics  
Eastern Virginia Medical School  
Norfolk, VA

Jared Friedman  
**Residency:** Internal Medicine  
University of Cincinnati Medical Center  
Cincinnati, OH

Ryan Fashempour  
**Residency:** Transitional  
Walter Reed National Military Medical Center  
Bethesda, MD

Alex Fultz  
**Residency:** Internal Medicine  
Loyola University Medical Center  
Maywood, IL

Morgan Fish  
**Residency:** Plastic Surgery  
(Integrated)  
Cleveland Clinic Foundation  
Cleveland, OH

Tess Gao  
**Residency:** Obstetrics-Gynecology  
Rutgers New Jersey Medical School  
Newark, NJ
Priyanka Garg
Residency: Radiology-Diagnostic
University of Rochester/Strong Memorial Hospital
Rochester, NY

Stephanie Gregory
Residency: General Surgery
Rutgers University Robert Wood Johnson Medical School
New Brunswick, NJ

Akhil Gutta
Residency: Emergency Medicine/
Royal Oak Beaumont Health
Royal Oak, MI

Joshua Hall
Residency: Pediatrics
Marshall University Joan C. Edwards SOM
Huntington, WV

Feras Hares
Residency: Pediatrics
Florida Hospital
Orlando, FL

Danielle Hery
Residency: General Surgery
Riverside Methodist
Columbus, OH

True Ho
Residency: Internal Medicine
Scripps Mercy Hospital
San Diego, CA

Victoria Ho
Residency: Family Medicine
Pomona Valley Hospital
Pomona, CA

Daniel Hoffman
Residency: Internal Medicine
University of Cincinnati Medical Center
Cincinnati, OH

Michelle Howe
Residency: Emergency Medicine
University of Arizona COM at Tucson
Tucson, AZ
Yihharn Hwang  
Residency: Obstetrics-Gynecology  
University of Texas Medical Branch  
Galveston, TX

Jessica Ickes  
Residency: Family Medicine  
St. Luke’s Hospital  
Perrysburg, OH

Zaid Iftekaruddin  
Residency: Radiation Oncology  
University of Chicago Medical Center  
Chicago, IL  
Transitional/NorthShore  
University of Chicago Medical Center  
Evanston, IL

Samuel Ivan  
Residency: Urology  
Carolinas Medical Center  
Charlotte, NC

Katherine Jerew  
Residency: Pathology  
University of Toledo  
Toledo, OH

Justin Julian  
Residency: Pediatrics  
Baylor College of Medicine  
Houston, TX

Waleed Kassabo  
Residency: Internal Medicine  
University of Toledo  
Toledo, OH

Kyle Keller  
Residency: Family Medicine  
Mount Carmel Health System  
Columbus, OH

Clare Kelly  
Residency: Int Med/Center of Excellence  
Case Western/University Hospitals, Cleveland Medical Center  
Cleveland, OH

Nithin Kesireddy  
Residency: Internal Medicine  
University of Toledo  
Toledo, OH
Shazli Khan  
**Residency:** Internal Medicine  
UPMC Medical Education  
Pittsburgh, PA

John Krebs  
**Residency:** Orthopaedic Surgery  
Akron General Medical Center/NEOMED  
Akron, OH

Hannah Kissel-Smith  
**Residency:** Medicine-Emergency Med  
Virginia Commonwealth University Health Systems  
Richmond, VA

Kristrun Kristinsdottir  
**Residency:** Obstetrics-Gynecology  
Summa Health/NEOMED  
Akron, OH

Sitara Koneru  
**Residency:** Neurology  
Emory University SOM  
Atlanta, GA

Eugene Lapshin  
**Residency:** Family Medicine  
Grant Medical Center  
Columbus, OH

Andrew Kostiuk  
**Residency:** General Surgery  
UPMC Mercy Hospital  
Pittsburgh, PA

Xiaxi Layton  
**Residency:** Family Medicine  
ProMedica Monroe Regional Hospital  
Monroe, MI

Brianna Krafcik  
**Residency:** Vascular Surgery  
Dartmouth-Hitchcock Medical Center  
Lebanon, NH

Justin Leasure  
**Residency:** Physical Medicine & Rehab  
Indiana University SOM  
Indianapolis, IN  
*Transitional*  
Firelands Regional Medical Center  
Sandusky, OH
Doctor of Medicine

Daniel Lewandowski
Residency: Emergency Medicine
Henry Ford Hospital
Detroit, MI

Denise Mai
Residency: Internal Medicine
UC San Diego Medical Center
San Diego, CA

Bo Li
Residency: Internal Medicine
Westchester Medical Center
Valhalla, NY

Saloni Mathur
Residency: Obstetrics-Gynecology
Richmond University Medical Center
Staten Island, NY

Lauren Linker
Residency: Otolaryngology
University of Tennessee COM
Memphis, TN

Amanda Mazurek
Residency: Pediatrics
Children’s Hospital of Michigan
Detroit, MI

Kevin Litzenberg
Residency: Internal Medicine
Ohio State University Medical Center
Columbus, OH

Joseph McKinney
Residency: Emergency Medicine
University of Louisville SOM
Louisville, KY

Kayla Lockhart
Residency: Pediatrics
University of Toledo
Toledo, OH

Amanda Mehrsheikh
Residency: Radiology-Diagnostic
Barnes-Jewish Hospital
St. Louis, MO

Medicine-Preliminary
SSM St Marys Hospital
St Louis, MO
Christina Metcalf  
Residency: Pediatrics  
University of Louisville SOM  
Louisville, KY

Matthew Metzinger  
Residency: Internal Medicine  
UPMC Medical Education  
Pittsburgh, PA

Samuel Miller  
Residency: Family Medicine  
Mount Carmel Health System  
Columbus, OH

Daiva Mitchell  
Residency: Internal Medicine  
UPMC Medical Education  
Pittsburgh, PA

Graham Mitro  
Residency: Neurology  
Vanderbilt University Medical Center  
Nashville, TN

Jaclyn Mueller  
Residency: Anesthesiology  
University of Maryland Medical Center  
Baltimore, MD

Luke Mugge  
Residency: Neurological Surgery  
Inova Fairfax Hospital  
Falls Church, VA

Moriah Muscaro  
Residency: Internal Medicine  
University of North Carolina Hospitals  
Chapel Hill, NC

Merna Naji  
Residency: Physical Medicine & Rehab  
UPMC Medical Education  
Pittsburgh, PA

Amira Najjar  
Residency: Family Medicine  
Riverside Methodist  
Columbus, OH
Ryan O’Connell  
**Residency:** Psychiatry  
University of Toledo  
Toledo, OH

Stephen Pavelko  
**Residency:** Anesthesiology  
Cleveland Clinic Foundation  
Cleveland, OH

Alexander O’Dell  
**Residency:** Pediatrics  
Children’s Hospital of Michigan  
Detroit, MI

Sara Perkins  
**Residency:** Urology  
Henry Ford Hospital  
Detroit, MI

Olivia O’Reilly  
**Residency:** Orthopaedic Surgery  
University of Iowa Hospitals and Clinics  
Iowa City, IA

Gregory Pontasch  
**Residency:** Emergency Medicine  
Mercy Health St. Vincent Medical Center  
Toledo, OH

Dalia Owda  
**Residency:** Emergency Medicine  
Beaumont Health  
Royal Oak, MI

David Quan  
**Residency:** Physical Medicine & Rehab  
Hospital of the University of Pennsylvania  
Philadelphia, PA  
Transitional  
Mercy Health St. Vincent Medical Center  
Toledo, OH

Anuradha Patel  
**Residency:** Surgery-Preliminary  
University of Toledo  
Toledo, OH

Tyler Reamsnyder  
**Residency:** Family Medicine  
Saint Joseph Regional Medical Center  
Mishawaka, IN
<table>
<thead>
<tr>
<th>Name</th>
<th>Residency</th>
<th>Institution</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charles Renner, III</td>
<td>Surgery-Preliminary</td>
<td>Mount Carmel Health System</td>
<td>Columbus, OH</td>
</tr>
<tr>
<td>Kara Richardson</td>
<td>Obstetrics-Gynecology</td>
<td>University of Toledo</td>
<td>Toledo, OH</td>
</tr>
<tr>
<td>Shannon Rossio</td>
<td>Family Medicine/</td>
<td>University of Montana</td>
<td>Missoula, MT</td>
</tr>
<tr>
<td>Alexander Roszman</td>
<td>Orthopaedic Surgery</td>
<td>University of Alabama Medical</td>
<td>Birmingham, AL</td>
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<tr>
<td>Courtney Rusch</td>
<td>Pediatrics</td>
<td>St. Louis Children’s Hospital</td>
<td>St. Louis, MO</td>
</tr>
<tr>
<td>Archit Sahai</td>
<td>Pediatrics</td>
<td>Cincinnati Children’s Hospital</td>
<td>Cincinnati, OH</td>
</tr>
<tr>
<td>Alexis Salsbury</td>
<td>Radiology-Diagnostic</td>
<td>UPMC Medical Education-PA</td>
<td>Pittsburgh, PA</td>
</tr>
<tr>
<td>Alisha Sangal</td>
<td>Obstetrics-Gynecology</td>
<td>Abington Hospital – Jefferson Health</td>
<td>Abington, PA</td>
</tr>
<tr>
<td>Karyssa Schrouder</td>
<td>Pediatrics/ALGH</td>
<td>Advocate Health Care</td>
<td>Park Ridge, IL</td>
</tr>
<tr>
<td>Meredith Scott</td>
<td>Emergency Medicine</td>
<td>Cook County Health and Hospital</td>
<td>Chicago, IL</td>
</tr>
</tbody>
</table>
The University of Toledo College of Medicine and Life Sciences

Doctor of Medicine

Megan Sharrett
Residency: Ophthalmology
Clinical Clinic Cole Eye Institute
Cleveland, OH

Residency: Medicine-Preliminary
Case Western/MetroHealth
Medical Center
Cleveland, OH

Benjamin Shekhtman
Residency: Physical Medicine & Rehab
University of Toledo
Toledo, OH

Residency: Transitional
Summa Health/NEOMED
Akron, OH

Samar Sheriff
Residency: Dermatology
University of Louisville SOM
Louisville, KY

Residency: Transitional
Kettering Medical Center
Kettering, OH

Haden Sholl
Residency: Family Med/Chelsea
University of Michigan Hospitals
Ann Arbor, MI

Residency: Internal Medicine
Henry Ford Hospital
Detroit, MI

Christian Siebenaler
Residency: Physical Medicine & Rehab
University of Toledo
Toledo, OH

Residency: Transitional
Mercy Health St. Vincent Medical Center
Toledo, OH

Joseph Silvestri
Residency: Physical Medicine & Rehab
University of Toledo
Toledo, OH

Residency: Transitional
Riverside Methodist
Columbus, OH

Natasha Sinai Hede
Residency: Anesthesiology
Thomas Jefferson University
Philadelphia, PA

Danielle Smith
Residency: Pediatrics
Penn State Health Milton S. Hershey Medical Center
Hershey, PA

Julia Shreve
Residency: Obstetrics-Gynecology
University of Wisconsin Hospital and Clinics
Madison, WI

Talya Spivak
Residency: Obstetrics-Gynecology
University of Wisconsin Hospital and Clinics
Madison, WI
Alexander Stanton  
**Residency:** Physical Medicine & Rehab  
UPMC Medical Education  
Pittsburgh, PA

Neal Swartz  
**Residency:** Psychiatry  
Rush University Medical Center  
Chicago, IL

Sean Stein  
**Residency:** Anesthesiology/Clinical Base Year  
Ohio State University Medical Center  
Columbus, OH

Sandy Tadros  
**Residency:** Anesthesiology  
University of Michigan Hospitals  
Ann Arbor, MI

Kevin Stephenoff  
**Residency:** Internal Medicine  
UPMC Medical Education  
Pittsburgh, PA

Patrick Tate  
**Residency:** Orthopaedic Surgery  
Akron General Medical Center/ NEOMED  
Akron, OH

Taylor Stoddard  
**Residency:** Family Medicine  
McKay-Dee Hospital Intermountain Healthcare  
Ogden, UT

Seena Tehrani  
**Residency:** Internal Medicine  
Rush University Medical Center  
Chicago, IL

Vikram Sundararaghavan  
**Residency:** General Surgery  
St. Joseph Mercy  
Ann Arbor, MI

Sonita Tem  
**Residency:** Radiology-Diagnostic  
Indiana University SOM  
Indianapolis, IN  
*Medicine-Preliminary*  
Case Western/University Hospitals, Cleveland Medical Center  
Cleveland, OH
Benjamin Ten Eyck  
**Residency:** Anesthesiology  
University of Texas Medical Branch  
Galveston, TX

Mariah Truscinski  
**Residency:** Emergency Medicine  
University of Toledo  
Toledo, OH

Aaron Tipton  
**Residency:** General Surgery  
Case Western/University Hospitals, Cleveland Medical Center  
Cleveland, OH

Venkat Vaddamani  
**Residency:** Internal Medicine  
West Virginia University SOM  
Morgantown, WV

Michael Tolkacz  
**Residency:** General Surgery  
Beaumont Health  
Royal Oak, MI

Alexis Vick  
**Residency:** General Surgery  
University of Texas Southwestern Medical School  
Dallas, TX

Jeremy Tomcho  
**Residency:** Internal Medicine  
University of Toledo  
Toledo, OH

Richard Voigt  
**Residency:** Emergency Medicine  
Mayo Clinic School of Graduate Medical Education  
Rochester, MN

Kristin Toy  
**Residency:** Orthopaedic Surgery/Research 6 yr  
University of North Carolina Hospitals  
Chapel Hill, NC

Andrew Wodarcyk  
**Residency:** Internal Medicine  
Ohio State University Medical Center  
Columbus, OH
Jessi Yu  
**Residency:** Physical Medicine & Rehab  
Burke Rehabilitation Hospital  
White Plains, NY  
*Transitional*  
ProMedica Monroe Regional Hospital  
Monroe, MI

Kevin Zhang  
**Residency:** Transitional Year  
ProMedica Monroe Regional Hospital  
Monroe, MI

Harrison Zeitler  
**Residency:** Emergency Medicine  
Central Michigan University COM  
Saginaw, MI

Li Zhang  
**Residency:** Neurology  
Ohio State University Medical Center  
Columbus, OH

Julia Zemskova  
**Residency:** Internal Medicine  
George Washington University  
Washington, DC

Chelsea Zhu  
**Residency:** Obstetrics-Gynecology  
Case Western/MetroHealth Medical Center  
Cleveland, OH
Graduate Student Awards

<table>
<thead>
<tr>
<th>Degree Program</th>
<th>Outstanding Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Medicine/Doctor of Philosophy in Biomedical Sciences Program</td>
<td>Brian Youseff</td>
</tr>
<tr>
<td>Master of Science in Biomedical Sciences in Human Donation Science</td>
<td>Brik Dauterman</td>
</tr>
<tr>
<td>Doctor of Philosophy in Biomedical Sciences Program</td>
<td>Xiaoming Fan</td>
</tr>
<tr>
<td>Master of Science in Biomedical Sciences in Human Donation Science</td>
<td></td>
</tr>
<tr>
<td>Master of Science in Biomedical Sciences Medical Physics Program</td>
<td>Christian Langmack</td>
</tr>
<tr>
<td>Master of Science in Biomedical Sciences Pathology Assistant Program Program</td>
<td>Derek Nelson</td>
</tr>
<tr>
<td>Master of Science in Biomedical Sciences in Physician Assistant Studies Program</td>
<td>Olivia Senko</td>
</tr>
<tr>
<td>Master of Science in Biomedical Sciences Medical Sciences Basic Science Tracks</td>
<td>Rajan Paudel</td>
</tr>
<tr>
<td>Master of Science in Biomedical Sciences – Medical Sciences Basic Science</td>
<td></td>
</tr>
<tr>
<td>Master of Science in Biomedical Sciences Pathology Assistant Program Program</td>
<td></td>
</tr>
<tr>
<td>Master of Science in Biomedical Sciences in Physician Assistant Studies Program</td>
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Medical Student Awards

The Glidden L. Brooks Award

The Glidden L. Brooks Award, named in honor of the first president of the former Medical College of Ohio, is presented annually to that graduating medical student who is distinguishable by superiority in all phases of the curriculum.

Moriah Muscaro
Haden Sholl

Dean’s Award

The Dean’s Award is awarded to that graduating medical student who, in the eyes of fellow students, shows the greatest promise as a practitioner of medicine.

Matthew Metzinger
Medical Student Awards

Human Structure Development Award
Moriah Muscaro

Lucien E. Morris, M.D. Anesthesia Award
Evan Zink

Society for Academic Emergency Medicine Excellence in Emergency Medicine Award
Daniel Lewandowski

Jerri Nielsen FitzGerald Award
Jessica Ickes

Harry E. Mayhew, M.D. Department of Family Medicine Award
Jessica Ickes

Toledo/Lucas County Academy of Family Physicians Award
Emily Armbruster

American College of Physicians Ohio Chapter Outstanding Medical Student of the year
Moriah Muscaro

George D. Ludwig Prize in Medicine
Shazli Khan

Patrick J. Mulrow Prize in Medicine
Keith Burns

Earl H. Freimer, M.D., Award for Excellence in Microbiology and Immunology Award
Emily Armbruster

Mark Rayport, M.D., Ph.D. Award in Neurological Surgery
Yasaman Alam

American Academy of Neurology Medical Student Prize for Excellence in Neurology
Sitara Koneru

Outstanding Neurology Student Award
Sitara Koneru

Outstanding Student in Neurosciences Award
Justin Julian

Outstanding Student in Obstetrics and Gynecology Award
Kara Richardson

Division of Ophthalmology Award for Excellence in Ophthalmology
Megan Sharrett

Outstanding Orthopaedic Student of the Year
Kristin Toy

Pathology Award for Most Outstanding Student
Wesley Judy
Andrew Kobalka

Marian M. Rejent, M.D. Awards in Pediatrics
Archit Sahai

Edward J. Cafruny Award for Excellence in Pharmacology
Emily Armbruster

Eleanore Coghlin Award for Excellence in Rehabilitation Medicine
Christian Siebenaler
Medical Student Awards

Physiology Award
Matthew Dailey

Psychiatry Excellence Award
Erin Semple

Robert E. Walden, MD Endowed Award
Caylie Bell

Outstanding Student in Radiology
Amanda Mehrsheikh

Dr. Sam Schaeffer Award
Matthew Metzinger
Hannah Jo Kisel-Smith

Marion C. Anderson Award for Excellence in Surgery
Michael DeVries

Toledo Surgical Society and Mercy St. Vincent Medical Center Student Recognition Award
Michael Tolkacz

Edward F. Ockuly Student Award in Urology
Samuel Ivan
The Leonard Tow Humanism in Medicine Award

The Leonard Tow Humanism in Medicine Awards presented by The Arnold P. Gold Foundation are bestowed on one graduating medical student and one faculty member who embody outstanding humanistic traits in the delivery of care to patients and their families and in their interactions with students, faculty, and staff. The recipients are selected by the graduating class.

Matthew Metzinger

Nezam Altorok, M.D.
Medical Honor Societies

Alpha Omega Alpha Honor Medical Society

The Alpha Omega Alpha Honor Medical Society was founded in Chicago in 1902 by medical students to formulate higher ideals of scholastic achievement and to foster the scientific and philosophical features of the medical profession. The Delta of Ohio chapter at The University of Toledo College of Medicine and Life Sciences was installed in 1974. Election to membership is extended to junior and senior medical students whose academic excellence places them in the upper sixth of their class and who show promise of leadership in medicine. Induction in the junior year is extended to the top 8% of the class.

*Emily Armbruster
Andrew Bishop
*Jared Bobulski
Joseph Brooks
*Robert Brunner
Keith Burns
Morgan Butcher
*Morgan Fish
Zaid Iftekaruddin
*Samuel Ivan

*Justin Julian
Shazli Khan
Sitara Koneru
Lauren Linker
*Amanda Mehrsheikh
*Matthew Metzinger
Daiva Mitchell
*Moriah Muscaro
Olivia O’Reilly

Sara Perkins
*Archit Sahai
*Megan Sharrett
*Samar Sheriff
Haden Sholl
Talya Spivak
*Kevin Stephenoff
Kristin Toy
Andrew Wodarcyk

*Inducted in Junior Year

Gold Humanism Honor Society

The Gold Humanism Honor Society is a national honor society initiated in 2001 by The Arnold P. Gold Foundation to recognize individuals who have demonstrated exemplary attitudes and behaviors characteristic of the most humanistic physicians, including integrity, excellence, compassion, altruism, respect, empathy, and service. The University of Toledo chapter of the Gold Humanism Honor Society was founded in 2005. The members are selected by peer nomination and endorsed by the College of Medicine and Life Sciences Senior Leadership Team.

Rachel Beeson
Alexander Calderone
Jared Friedman
Michelle Howe
Yihharn Hwang
Justin Julian
Shazli Khan

Sitara Koneru
Lauren Linker
Matthew Metzinger
Daiva Mitchell
Moriah Muscaro
Archit Sahai

Alisha Sangal
Samar Sheriff
Joseph Silvestri
Tayla Spivak
Alexis Vick
Richard Voigt
The Robert T. Tidrick Golden Apple Awards for teaching excellence are named in honor of Dr. Tidrick, a surgeon and outstanding educator on the faculty of the former Medical College of Ohio from 1969 until his death in June 1983, at the age of 73. Faculty, both basic scientists and clinicians, are selected for the honor each year by members of the graduating class of medical students.

Robert T. Tidrick Golden Apple Award for Teaching Excellence in Basic Sciences

Carlos A. C. Baptista, M.D., Ph.D.
Associate Professor
Department of Neurosciences

Andrew Beavis, Ph.D.
Associate Professor
Department of Physiology and Pharmacology

Amira F. Gohara, M.D.
Professor
Department of Pathology
Dean Emerita of the College of Medicine

Robert T. Tidrick Golden Apple Award for Teaching Excellence in Clinical Sciences

Nezam I. Altorok, M.D.
Assistant Professor, Director, IM Faculty Development, & Associate Director, IM Residency Program

Burton S. Brodsky, M.D.
Assistant Professor
Department of Obstetrics and Gynecology

Coral Matus, M.D
Assistant Professor, Asst Dean for Clinical Medical Education, & Foundational Sciences Thread Dir
Oath of Hippocrates

Upon this day of graduation,
as I seek admission to the medical profession:

I do solemnly affirm, as did the ancient Greeks, by all that I hold
most sacred that, according to my ability and judgment
I will keep this oath and its stipulations.

To hold my teachers in this art equal to my own parents
and extend to them the respect and gratitude which is their due.

I will by precept, lecture, and every other mode of instruction,
impart a knowledge of the art to my sons and daughters and those of my teachers,
and to disciples bound by covenant and oath
according to the law of medicine.

I will follow that system of treatment which according
to my ability and judgment,
I consider for the benefit of my patients and abstain from
whatever is deleterious and mischievous.

I will exercise my art, solely for the cure of my patients
and the prevention of disease and will give no drugs and perform
no operations for a criminal purpose nor far less suggest such thing.

With honor and dignity I will practice my profession not permitting
consideration of religion, nationality, race or social standing
to intervene between duty and my patient.

Into whatsoever houses I enter, I will go for the benefit of the sick
and will hold myself aloof from every voluntary act
of wrongdoing or corruption.

Whatever I may see or hear in the lives of men which ought not
be spoken abroad, I will not divulge,
reckoning that such should be kept secret.

While I continue to keep this oath unviolated, may it be granted to me
to enjoy life and the practice of the art, respected by all men in all times.
But should I trespass and violate this oath, may the reverse be my lot.
Enter to Learn

Go Forth to Serve