

THE UNIVERSITY OF TOLEDO



**COLLEGE OF MEDICINE
AND LIFE SCIENCES**

THE UNIVERSITY OF TOLEDO

48th Commencement Exercises

FRIDAY, MAY TENTH, TWO-THOUSAND NINETEEN
JOHN F. SAVAGE ARENA

Letter from the Dean



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,

A handwritten signature in black ink, appearing to read "C. J. Cooper". The signature is fluid and cursive, with a long horizontal stroke at the end.

Christopher J. Cooper, M.D.
Executive Vice President for Clinical Affairs
Dean of the College of Medicine and Life Sciences
Professor, Department of Medicine

Brief History of The University of Toledo

College of Medicine and Life Sciences

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. Kempf, 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.

College of Medicine and Life Sciences

Honorary Degree Recipients

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

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.

1974

Britton Chance, Ph.D.
John A. D. Cooper, M.D.
Rubin H. Flocks, M.D.

*At the Dedication of the
Health Science Building*

Robert M. Berne, M.D.
Charles Huggins, M.D.
George Palade, M.D.
Elizabeth S. Russell, Ph.D.

1975

Norman Kretchmer, M.D., Ph.D.
Keith R. Porter, Ph.D.
W. R. Willard, M.D.

*At the Dedication of the
Raymon H. Mulford
Library Building*

Frank B. Rogers, M.D.
Owsei Temkin, M.D.

1976

Alene B. Duerk
A. M. Harvey, M.D.
William A. Sodeman, Sr., M.D.

*At the Dedication of the
Health Education Building*

Robert W. Leader, D.V.M.
Walsh McDermott, M.D.
Lewis Thomas, 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. Rall, 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

Ret. U.S. Air Force Maj. Gen.
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.

History of Academic Regalia

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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University of Toledo Medical Center

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Department of Radiology

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Department of Neurosciences

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Department of Pathology

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Department of Medical Microbiology and Immunology

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Assistant Professor, Department of Medical Education

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President, College of Medicine Council
Associate Professor, Department of Medicine

Nikki Russell
Director of Administrative Operations

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Associate Dean for Student Affairs and Admissions
Associate Professor, Department of Family Medicine

Lori Schuh, M.D.
Associate Dean for Graduate Medical Education/Designated
Institutional Official
Professor, Department of Neurology

Puneet Sindhvani, M.D.
Associate Professor and Chair
Department of Urology

Linda Speer, M.D.
Professor and Chair
Department of Family Medicine

Gretchen Tietjen, M.D.
Professor and Chair
Department of Neurology

James Van Hook, M.D.
Professor and Chair
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

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

- | | | |
|----------------|----------------|--------------------------|
| Omar Badawi | Kayla Lockhart | Paige Prologo-Richardson |
| Alex Calderone | Naveena Luke | Casey Ryan |
| Nick Capaldo | Esther Mburu | Christian Siebenaler |
| Sara Crowell | Claire Meikle | Jamie Stewart |
| Kevin Frank | Luke Mugge | John Ziebro |
| Cody Klinker | Zaid Obagi | |

College of Medicine and Life Sciences Commencement

Welcome and Recognition of Distinguished Guests	Sharon L. Gaber, Ph.D.
Presentation of Scott Parazynski, M.D. for the Degree of Doctor of Science, <i>honoris causa degree</i>	Mary Ellen Pisanelli
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 and Doctor of Philosophy in Biomedical Sciences	Paul Schaefer, M.D., Ph.D.
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 and Master in Business Administration	Paul Schaefer, M.D., Ph.D.
Candidates for the Degrees of Doctor of Medicine and Master in Public Health	Paul Schaefer, M.D., Ph.D.
Candidates for the Degree of Doctor of Medicine and Graduate Certificate in Pathology	Paul Schaefer, M.D., Ph.D.
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 Astronomical 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*



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



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



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



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*



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



Serkan Balyemez
M.S.B.S., *Medical Physics*



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



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



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



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



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



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



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 Tassavvor
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

Doctor of Medicine



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



Melissa Babcock
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

Doctor of Medicine



Kevin Becker
Residency: *Orthopaedic Surgery*
Indiana University SOM
Indianapolis, IN



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



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



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



Caylie Bell
Residency: *Psychiatry*
University of Toledo
Toledo, OH



Robert Brunner
Residency: *Urology*
Baylor University
Houston, TX



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



Taylor Buckley
Residency: *Family Medicine*
Bethesda Hospital
Cincinnati, OH



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



Keith Burns
Residency: *Internal Medicine*
UPMC Medical Education
Pittsburgh, PA

Doctor of Medicine



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



Zheng Che
Residency: *Internal Medicine*
University of Michigan Hospitals
Ann Arbor, MI



Matthew Dailey
Residency: *NeUrology*
Univeristy of Cincinnati
Medical Center
Cincinnati, OH

Doctor of Medicine



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



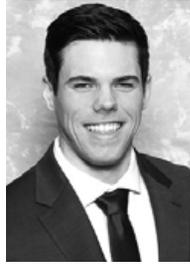
Omar Elnaggar
Residency: *Anesthesiology*
Jackson Memorial Hospital
Miami, FL

Doctor of Medicine



Megan Emerson
Residency: *Anesthesiology*
Indiana University SOM
Indianapolis, 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

Doctor of Medicine



Priyanka Garg
Residency: *Radiology-Diagnostic*
University of Rochester/Strong
Memorial Hospital
Rochester, NY

Medicine-Preliminary
University of Miami
MSOM/Holy Cross
Fort Lauderdale, FL



Danielle Hery
Residency: *General Surgery*
Riverside Methodist
Columbus, OH



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



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



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



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



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



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



Feras Hares
Residency: *Pediatrics*
Florida Hospital
Orlando, FL



Michelle Howe
Residency: *Emergency Medicine*
University of Arizona COM at Tucson
Tucson, AZ

Doctor of Medicine



Yihharn Hwang
Residency: *Obstetrics-Gynecology*
University of Texas Medical Branch
Galveston, TX



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



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



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



Zaid Iftekaruddin
Residency: *Radiation Oncology*
University of Chicago Medical Center
Chicago, IL

Transitional/NorthShore
University of Chicago Medical Center
Evanston, IL



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



Samuel Ivan
Residency: *Urology*
Carolinas Medical Center
Charlotte, NC



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



Katherine Jerew
Residency: *Pathology*
University of Toledo
Toledo, OH



Nithin Kesireddy
Residency: *Internal Medicine*
University of Toledo
Toledo, OH

Doctor of Medicine



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 Kostiuik
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

Doctor of Medicine



Christina Metcalf
Residency: *Pediatrics*
University of Louisville SOM
Louisville, KY



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



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



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



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



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



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



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



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



Amira Najjar
Residency: *Family Medicine*
Riverside Methodist
Columbus, OH

Doctor of Medicine



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

Doctor of Medicine



Charles Renner, III
Residency: *Surgery-Preliminary*
Mount Carmel Health System
Columbus, OH



Archit Sahai
Residency: *Pediatrics*
Cincinnati Children's Hospital
Cincinnati, OH



Kara Richardson
Residency: *Obstetrics-Gynecology*
University of Toledo
Toledo, OH



Alexis Salsbury
Residency: *Radiology-Diagnostic*
UPMC Medical Education-PA
Pittsburgh, PA

Transitional
Mercy Health St. Vincent Medical
Center
Toledo, OH



Shannon Rossio
Residency: *Family Medicine*
Kalispell
University of Montana
Missoula, MT



Alisha Sangal
Residency: *Obstetrics-Gynecology*
Abington Hospital – Jefferson Health
Abington, PA



Alexander Roszman
Residency: *Orthopaedic Surgery*
University of Alabama Medical
Center
Birmingham, AL



Karyssa Schrouder
Residency: *Pediatrics/ALGH*
Advocate Health Care
Park Ridge, IL



Courtney Rusch
Residency: *Pediatrics*
St. Louis Children's Hospital
St. Louis, MO



Meredith Scott
Residency: *Emergency Medicine*
Cook County Health and Hospital
Systems
Chicago, IL

Doctor of Medicine



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

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



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

Transitional
Mercy Health St. Vincent Medical
Center
Toledo, OH



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

Transitional
Summa Health/NEOMED
Akron, OH



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

Transitional
Riverside Methodist
Columbus, OH



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

Transitional
Kettering Medical Center
Kettering, OH



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



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



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



Julia Shreve
Residency: *Internal Medicine*
Henry Ford Hospital
Detroit, MI



Talya Spivak
Residency: *Obstetrics-Gynecology*
University of Wisconsin Hospital
and Clinics
Madison, WI

Doctor of Medicine



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

Doctor of Medicine



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

Doctor of Medicine



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

**Doctor of Medicine/Doctor of Philosophy
in Biomedical Sciences Program**

Outstanding Student

Brian Youseff

**Master of Science in Biomedical Sciences
Medical Physics Program**

Outstanding Student

Christian Langmack

**Master of Science in Biomedical Sciences
in Human Donation Science**

Outstanding Student

Brik Dauterman

**Master of Science in Biomedical Sciences
Pathology Assistant Program**

Outstanding Student

Derek Nelson

Olivia Senko

**Doctor of Philosophy
in Biomedical Sciences Program**

Outstanding Student

Xiaoming Fan

**Master of Science in Biomedical Sciences
in Physician Assistant Studies Program**

Outstanding Student

Richard Szczesny

**Master of Science in Biomedical
Science – Medical Sciences Basic Science**

Tracks Outstanding Student

Rajan Paudel

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 Kissel-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

Medical Student Awards

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	*Justin Julian	Sara Perkins
Andrew Bishop	*Shazli Khan	*Archit Sahai
*Jared Bobulski	Sitara Koneru	*Megan Sharrett
Joseph Brooks	Lauren Linker	*Samar Sheriff
*Robert Brunner	*Amanda Mehrsheikh	Haden Sholl
Keith Burns	*Matthew Metzinger	Talya Spivak
Morgan Butcher	Daiva Mitchell	*Kevin Stephenoff
*Morgan Fish	*Moriah Muscaro	Kristin Toy
Zaid Iftekaruddin	Olivia O'Reilly	Andrew Wodarcyck
*Samuel Ivan		

**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	Sitara Koneru	Alisha Sangal
Alexander Calderone	Lauren Linker	Samar Sheriff
Jared Friedman	Matthew Metzinger	Joseph Silvestri
Michelle Howe	Daiva Mitchell	Tayla Spivak
Yihharn Hwang	Moriah Muscaro	Alexis Vick
Justin Julian	Archit Sahai	Richard Voigt
Shazli Khan		

Teaching Awards

Robert T. Tidrick Golden Apple Awards

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

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**COLLEGE OF MEDICINE
AND LIFE SCIENCES**

THE UNIVERSITY OF TOLEDO

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