



# THE UNIVERSITY OF TOLEDO

**College of Medicine and Life Sciences**



**COLLEGE OF MEDICINE  
AND LIFE SCIENCES**

**THE UNIVERSITY OF TOLEDO**



## **The mission of The University of Toledo College of Medicine and Life Sciences**

is to improve health in the communities and region we serve. We do this by educating excellent clinicians and scientists, by providing patient centered and high-quality care and by producing nationally recognized research in focused areas.





# TO DO INSPIRING THINGS

## **Join a vibrant and close-knit community at The University of Toledo College of Medicine and Life Sciences**

The University of Toledo is a national public research University with nearly 15,000 students, including more than 3,400 graduate and professional learners. As a College of Medicine and Life Sciences student, you'll be enriched by exceptional classroom teaching in a supportive and nurturing environment. UToledo is dedicated to cultivating the next generation of healthcare leaders. Our diverse programs, cutting-edge facilities and commitment to hands-on learning prepare you for a dynamic and rewarding career in medicine.

Whether your passion lies in patient care or research, our programs offer a path to success. Discover how The University of Toledo College of Medicine and Life Sciences can be the foundation of your healthcare journey.

### **Our core values include:**

- Professionalism
- Service
- Collaboration
- Discovery

# Why Choose The University of Toledo College of Medicine and Life Sciences?

## Excellence, Innovation and Community

**Cutting-Edge Research:** Engage in groundbreaking research that contributes to the advancement of medical science.

**State-of-the-Art Facilities:** Learn in modern classrooms, advanced laboratories and world-class medical centers.

**Interdisciplinary Education:** Collaborate with peers across various healthcare disciplines for a well-rounded education.

**Diverse Clinical Experiences:** Gain exposure to a wide range of clinical settings, from urban hospitals to rural clinics.

**Strong Alumni Network:** Join a supportive and engaged community of alumni who are leaders in their fields.

# R1

CARNEGIE CLASSIFICATION  
FOR RESEARCH ACTIVITY

# 700

MEDICAL STUDENTS

# 300+

UNDERGRADUATE AND  
GRADUATE STUDENTS

# 500+

RESIDENTS AND FELLOWS

# 83

BASIC SCIENCE FACULTY

# 287

CLINICAL FACULTY

## Brief History

### 1969

The Medical College of Ohio (later the Medical University of Ohio) admits its first class.

### 2006

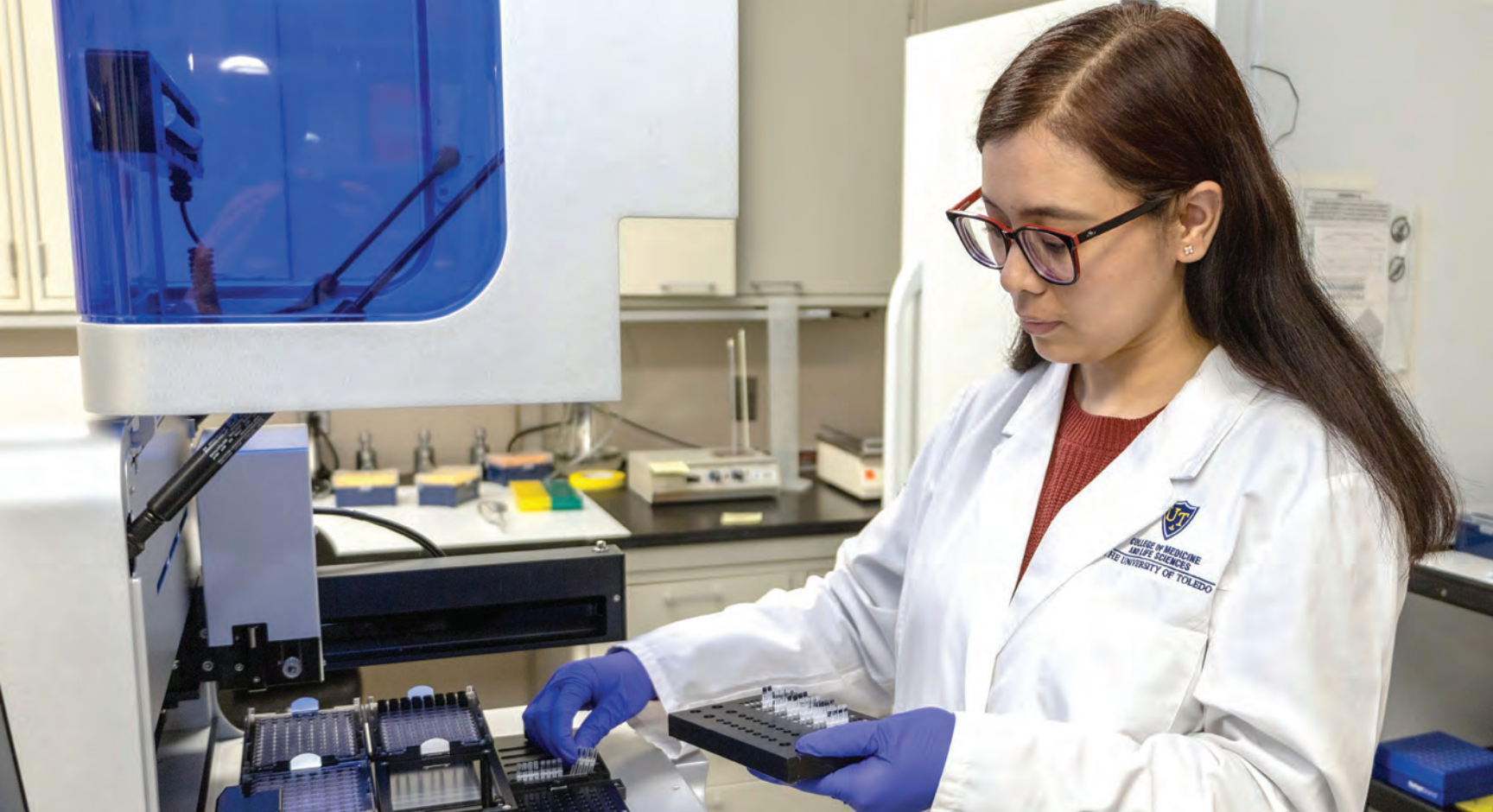
The Medical University of Ohio merges with The University of Toledo.

### 2015

The UToledo Board of Trustees approves a proposed academic affiliation between the College of Medicine and Life Sciences and ProMedica.







## Programs Offered:

### Doctor of Medicine Programs

- Doctor of Medicine (M.D.)

#### Special Pathways

- MedStart Program
- Baccalaureate to M.D. Program (BACC2MD)

#### Combined Degree Pathways

- Doctor of Medicine/Doctor of Philosophy (M.D./Ph.D.)
- Doctor of Medicine/Juris Doctor (M.D./J.D.)
- Doctor of Medicine/Master of Business Administration (M.D./M.B.A.)
- Doctor of Medicine/Master of Public Health (M.D./M.P.H.)
- Doctor of Medicine/Pathology Certificate (M.D./Pathology Certificate)



Scan the QR code with your smartphone to explore majors and programs.

### Graduate Programs

#### Doctor of Philosophy (Ph.D.) in Biomedical Science

- Bioinformatics
- Cancer Biology
- Medical Microbiology and Immunology
- Molecule Medicine
- Neuroscience and Neurological Disorders

#### Master of Science in Biomedical Sciences

- Assistant in Pathology
- Bioinformatics
- Clinical Research
- Medical Physics
- Medical Science (Post-Bac, Pre-Med track)
- Physician Assistant
- Transplantation and Donation Sciences

#### Graduate Certificate Program

- Bioinformatics

#### Undergraduate Programs

- Neurosciences
- Radiation Therapy

# Academic Success

Support services and resources throughout your journey.

The **Office of Student Affairs (OSA)** and **Graduate Office** provide advising and professional development opportunities. Through student-centered, evidence-based practices, they support students from orientation through to commencement.

## Academic Enrichment Center (AEC)

Take advantage of academic support services in our **Academic Enrichment Center**. Health science professional programs facilitate student engagement and collaboration, foster self-directed learning and provide resources that contribute to academic success.

### AEC services include:

- Drop-in tutoring
- Individual and group tutoring
- Mentoring program
- Academic counseling

## The Academic Testing Center

Providing comprehensive testing support for students in UToledo's College of Medicine and Life Sciences, our center is an approved facility for administering computer-based National Board Examinations, such as USMLE exams. Trust us for reliable and professional exam services to help you succeed.





## Lloyd A. Jacobs Interprofessional Immersive Simulation Center (IISC)

Experience high-impact simulation training at the Interprofessional Immersive Simulation Center where healthcare and technology converge for cutting-edge learning. Hone surgical skills, explore medical conditions through virtual reality, and respond to simulated scenarios — all in a safe, immersive environment.

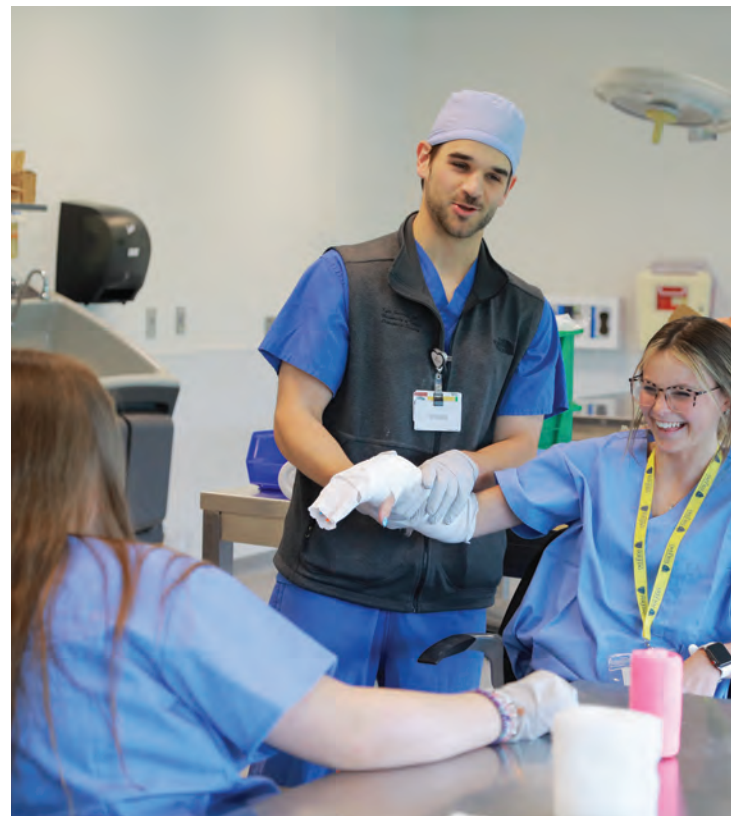
Open to UToledo students, residents, fellows and regional healthcare professionals, the IISC provides a space for skill development and professional growth. The center also fosters interdisciplinary research, connecting UToledo experts in medicine, engineering, sciences, law, business and beyond.

## Ruth M. Hillebrand Clinical Skills Center

The Ruth M. Hillebrand Clinical Skills Center is a nationally recognized facility that creates interactive and formative educational experiences that provide medical and other health professions students with a supportive environment to hone their interpersonal and empathetic skills, as well as their diagnostic and problem-solving techniques.

The Center uses Standardized Patients (SPs) — individuals trained to consistently and accurately portray patients in medical scenarios. SPs play a key role in teaching and evaluating students, providing realistic, hands-on learning experiences.

At the Ruth M. Hillebrand Clinical Skills Center, healing and outcomes are built on strong relationships. Just like in any profession, manners matter.



# TO DO INNOVATIVE RESEARCH

**The University of Toledo College of Medicine and Life Sciences, research is more than just a component of your education — it's a cornerstone.** The University of Toledo is recognized among the country's top-tier research universities with the prestigious RI Classification — a recognition UToledo earned for very high research activity in the latest Carnegie Classification of Institutions of Higher Education. From day one, you'll have the opportunity to engage in research projects that push the boundaries of medical science.

## Integrated Core Facilities

The University of Toledo's Integrated Core Facilities (ICF) is a centralized facility comprised of shared services, cutting edge scientific equipment and scientific expertise available to both internal and external collaborators. The goal of the ICF is to aid in the production of high-quality scientific data for use in publication, grant preparation or other endeavors. The ICF core labs are equipped with state-of-the-art instruments and offer advanced technological services in various research fields.



## The University of Toledo and ProMedica Academic Affiliation

UToledo clinical students train in multiple locations in Toledo and the surrounding area, offering you diverse interactions with patient populations and cultures. Through our partnerships with UToledo Health and ProMedica, you'll have ample opportunities for clinical experience and to work with sub-specialists in a variety of fields.



## About ProMedica

ProMedica is one of the region's largest health systems, offering inpatient and outpatient care and senior care services. The hospitals feature 816 beds, advanced clinical care and a broad range of medical and surgical specialties, including a Level I adult trauma center, Level II Pediatric trauma center and the region's largest Newborn Intensive Care Unit. In 2018 ProMedica and The University of Toledo College of Medicine and Life Sciences joined together to open a joint Neurosciences Center to provide the region with advanced neurological and spine care.



**Scan the QR code with your smartphone to learn more about the academic affiliation.**





## UToledo Health

Our commitment to caring for our community dates back to 1963. UToledo Health is a fully independent health system including a hospital, outpatient clinics and academic research facilities. Our medical faculty and clinical providers deliver advanced care to greater Toledo while completing groundbreaking research and training the next generation of healthcare professionals.

Through its hospital and outpatient clinics, UToledo Health provides cancer care, orthopaedic care, advanced cardiac care, and primary care for children, adults and seniors in the community. Our hospital, The University of Toledo Medical Center (UTMC), is committed to cultivating teaching, research and high-quality service in a compassionate environment. It features a level II trauma center, comprehensive cancer care and orthopaedics centers, and the region's only multi-person hyperbaric chamber for treating non-healing wounds. It remains the area's sole transplant hospital, with nationally recognized faculty specializing in kidney and pancreas transplantation and completing more than 200 successful transplants each year.



# TO DO WHAT YOU LOVE

Your experience at The University of Toledo College of Medicine and Life Sciences goes beyond the classroom. Our vibrant student community, supported by numerous organizations and activities, ensures that you'll build lasting connections and memories. Whether you're participating in a service project, attending a lecture or enjoying social events, you'll find a home here.

As an inclusive university, we celebrate diversity and strive to create a welcoming environment for all our community members. Various organizations within our community offer support, leadership opportunities and programs for the College of Medicine and Life Sciences. These groups contribute to service efforts locally in Toledo as well as across the state, the nation and globally.

The College of Medicine and Life Sciences offers more than 50 student organizations.

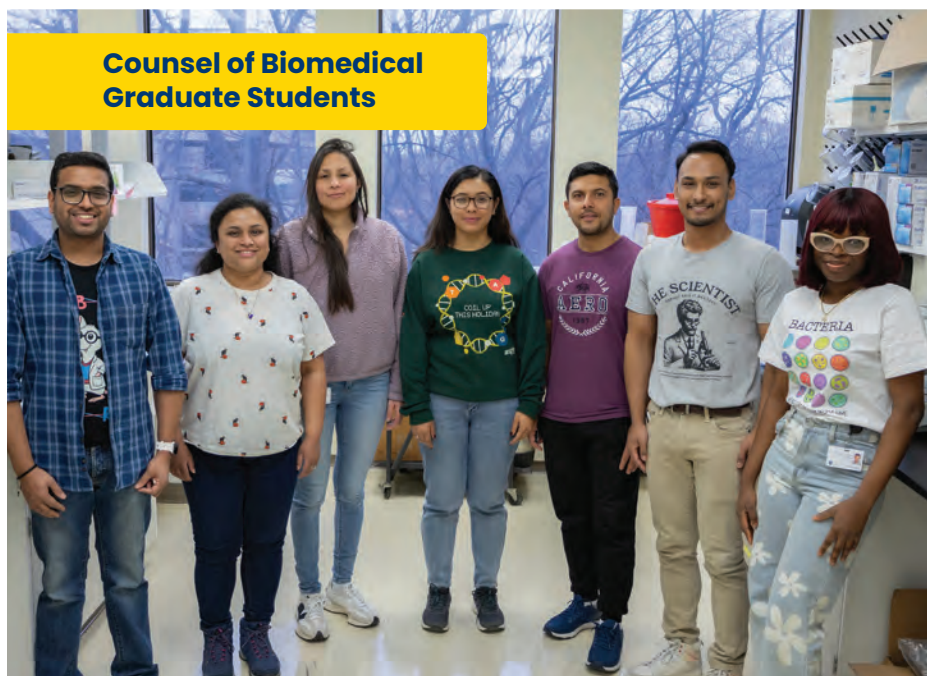
**Student Academy of the  
American Academy of Physician  
Assistants (SAAAPA)**



**CommunityCare Clinics**



**Counsel of Biomedical  
Graduate Students**





**COMLS Ambassadors**



**Student Medical Missions Group**



**Medically Oriented Outdoor Situational Education (MOOSE)**



**South Asian Medically Oriented Student Association (SAMOSA)**





# TO DO WHAT IT TAKES

The College of Medicine and Life Sciences' **Office of Student Affairs (OSA) and Graduate Programs Office** provides students with comprehensive career advising and professional development for students, supporting their growth from orientation to graduation. As a hub for career and residency application counseling, OSA offers you:

- Drop-in, individual appointments
- Help with your curriculum vitae
- Personal statement reviews
- Residency application information sessions

The College of Medicine and Life Sciences Graduate Office supports your research interests by helping you connect with faculty-mentored research projects and national conferences where you can present your work. You can also serve on UToledo's campus-wide committees with faculty, staff administrators, and community members.

Through evidence-based advising, leadership programming, and meaningful ceremonies, our staff and faculty guides students through critical transitions.











# TO DO WHAT HEALS PEOPLE

## Doctor of Medicine Program

Our M.D. program emphasizes a competency-based curriculum with early clinical experience and seamless integration of foundational and clinical sciences.

**Known as Rocket Medicine, the program features:**

- Systems-based foundational sciences with clinical integration
- Greater emphasis on clinical reasoning and clinical skills during all four years
- Use of innovative educational methods and approaches
- Focus on interprofessional education, patient safety and career development



**“Being part of The University of Toledo M.D. Program has allowed me to connect with amazing faculty,** build lifelong friendships and thrive in a uniquely supportive environment. The system-based curriculum, early clinical exposure and academic support have helped me learn the art of medicine and grow as a future physician. I feel confident that UTCOMLS is preparing me to excel in school and beyond.”

**FATIMA KHAN '27**

Medical Student



### **Pre-Clinical Electives**

As a student, you'll have an opportunity to explore your interests and deepen career-specific competencies through several electives during your foundational years.

#### **Examples of Pre-Clinical Electives:**

- Medical Student Research Program
- Centering Pregnancy Program: A Longitudinal Obstetric Care Elective
- Medical Practice Management
- Child Advocacy
- Art and Medicine: Using visual literacy to improve diagnostic skills
- Advanced Dissection in Anatomy
- Medical Spanish



## Match Day

Each year, fourth-year students from The University of Toledo College of Medicine and Life Sciences successfully match into residency programs in a wide range of specialties, allowing them to advance their professional goals. From anesthesiology to vascular surgery, our students have matched into more than 25 specialties at top-ranked programs nationwide, including The University of Toledo, ProMedica, Cleveland Clinic, University of Michigan, University of Pittsburgh, Indiana University and Ohio State University as well as residency programs within the U.S. military.

A significant number of recent graduates have matched into programs in Ohio and particularly in northwest Ohio, an outcome in alignment with our mission to provide healthcare for our region and state.



**Scan the QR code with your smartphone to review full Match Day results.**







**“When I opened my Match Day letter and saw University of Virginia, I couldn’t hold back the tears —** I ugly cried. This has been my dream for as long as I can remember, and now I get to start this next chapter with my family by my side at the place I’ve always hoped to be. The University of Toledo Medical School truly prepared me for this moment. Through every challenge, every rotation, and every mentor who believed in me, they helped shape me into the physician I’m becoming.”

JENNIFER RUSSELL, M.D. '25

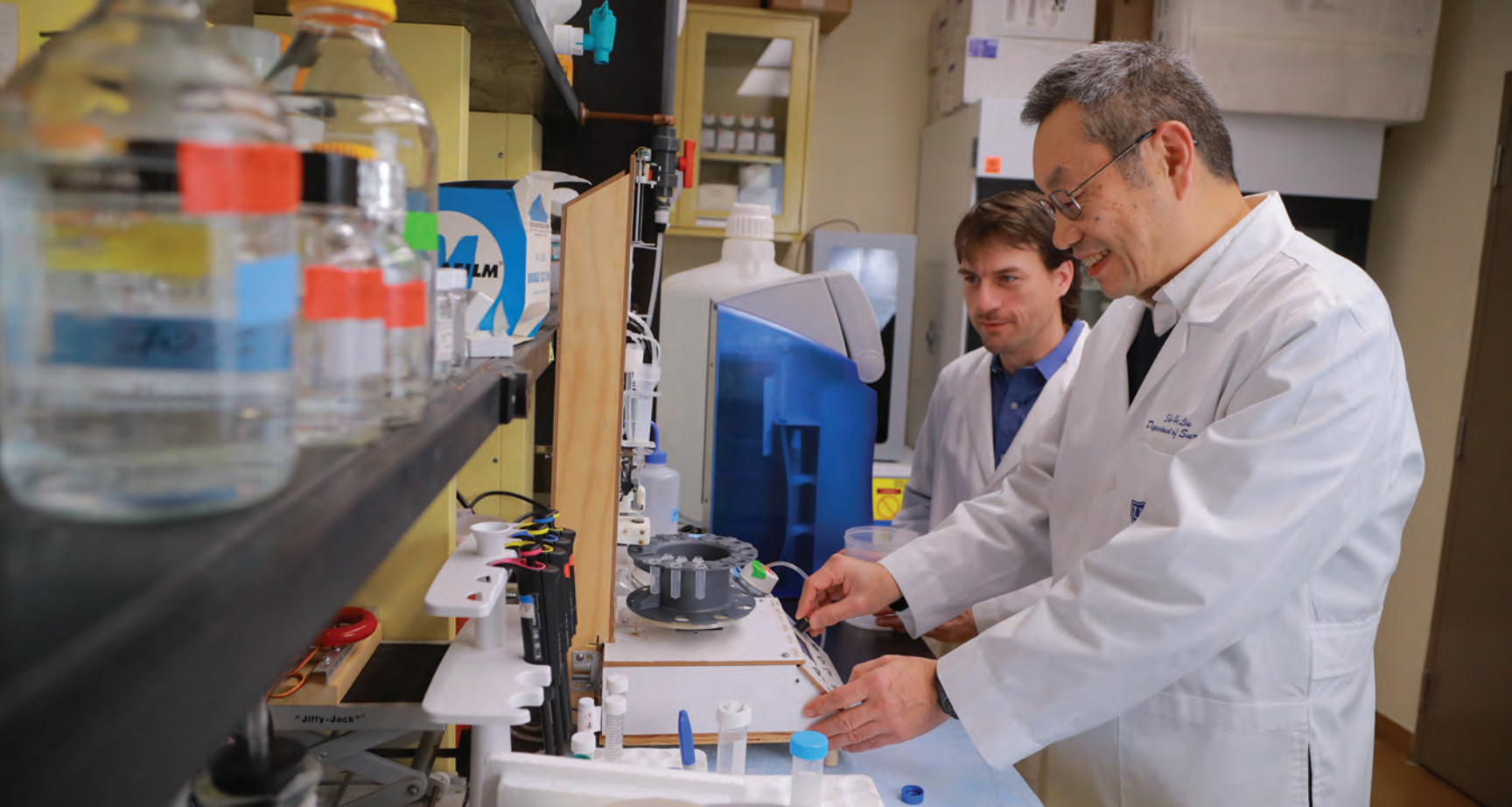
**Recent Match placements:**

- Anesthesiology
- Emergency Medicine
- Family Medicine
- Internal Medicine
- Neurology
- Neurological Surgery
- Obstetrics & Gynecology
- Orthopedic Surgery
- Pathology
- Pediatrics
- Physical Medicine & Rehabilitation
- Psychiatry
- Radiation Oncology
- Radiology-Diagnostic
- Surgery

**“UToledo College of Medicine and Life Sciences provided me with a supportive environment,** blending autonomy and guidance to build a strong foundation for board exams, clinical skills and rotations. The school fosters a culture of support, ensuring students feel prepared to pursue and achieve their residency dreams. Through mentorship, research opportunities and a commitment to student feedback, UToledo has helped make my career aspirations a reality.”

TAYLOR SPURGEON-HESS '25





# GRADUATE PROGRAMS

## Biomedical Science Program (Research Ph.D.)

Our research tracks in the biomedical sciences program prepares you for an independent career in research through advanced courses complemented by active participation in faculty-mentored laboratory research in one of five research tracks:

### Biomedical Science Ph.D. research tracks

- Bioinformatics
- Cancer Biology
- Medical Microbiology and Immunology
- Molecular Medicine
- Neurosciences and Neurological Disorders

All tracks are eligible for M.D./Ph.D. dual-degree program

Tracks are organized around research themes that relate to human disease processes. They are affiliated with basic science departments but are interdisciplinary and draw faculty members with common research interests from a variety of basic science and clinical departments.

The program's mission is to provide young scientists with a cohesive foundation in biomedical sciences while providing discipline-specific training in the basis of human disease. The program gives trainees the skills and knowledge necessary to pursue independent, successful scientific careers in a wide variety of scientific areas, including academia, government, industry, and private or entrepreneurial scientific businesses.

Ph.D. students receive National Institutes of Health (NIH) level living stipend, health insurance and tuition waiver.





## Master of Science in Biomedical Science (M.S.B.S.) — Medical Science

A one-year post-baccalaureate program aimed at students who have completed all medical school prerequisites, offering resources to enhance their academic qualifications while preparing their applications for U.S. medical schools.

The M.S.B.S. — Medical Sciences program also provides a unique opportunity for students to conduct clinical or basic science research experience. UToledo's basic and clinical science faculty mentor students through their year-round Scholarly Project, allowing students to expand their view on experimental sciences, adding a strong component to their academic credentials.



**“During my M.S.B.S. at The University of Toledo,** I conducted research leading to publications, strengthened my preparation for medical school, and streamlined my M.D./Ph.D. progression by applying coursework toward Ph.D. requirements.”

YOGESH KUMARAN '21

Medical Science Graduate



## Master of Science in Biomedical Science (M.S.B.S.) – Physician Assistant Program

Transform your future with The University of Toledo's acclaimed Physician Assistant Program (PA), accredited by the Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA).

Our 27-month graduate program offers a Master of Science in Biomedical Sciences (M.S.B.S.) with a focus on physician assistant studies, making us the first graduate-level PA program in Ohio.

### Why Choose UToledo's Physician Assistant Program?

- **Established Excellence:** Join a well-respected program known for producing skilled healthcare professionals.
- **Interdisciplinary Training:** Collaborate with diverse fields to enhance your medical knowledge and skills.
- **Community Impact:** Gain hands-on experience serving underserved populations, making a real difference in healthcare access.
- **Service-Learning Opportunities:** Engage in practical experiences that enrich your education and community.
- **Experienced Faculty:** Learn from dedicated professionals who are committed to your success and growth.



**“PA school was one of the most challenging but rewarding times of my life.** I feel confident that the didactic education and clinical experience I have received will serve as a strong foundation when I start my career as a healthcare professional. I look forward to transferring what I have learned into practice and continuing to learn in an exciting, new environment.”

STEPHAN BROWN '22

PA Program Graduate





## Master of Science in Biomedical Science (M.S.B.S.) – Transplantation and Donation Sciences

The University of Toledo offers a unique master's program in Transplantation and Donation Sciences, available both full-time in-person and online. As the first academic program of its kind in the nation, it trains students to coordinate and oversee organ donation and transplantation. Graduates of the Master of Science in Biomedical Science – Transplantation and Donation Sciences will be eligible to take national certification exams from the American Board for Transplant Certification after gaining one year of practical experience in the field.

This degree program integrates fundamental and medical science coursework with professional skill development in areas such as business, project management, policy and law. This comprehensive background prepares you for high-level leadership positions in the industry.

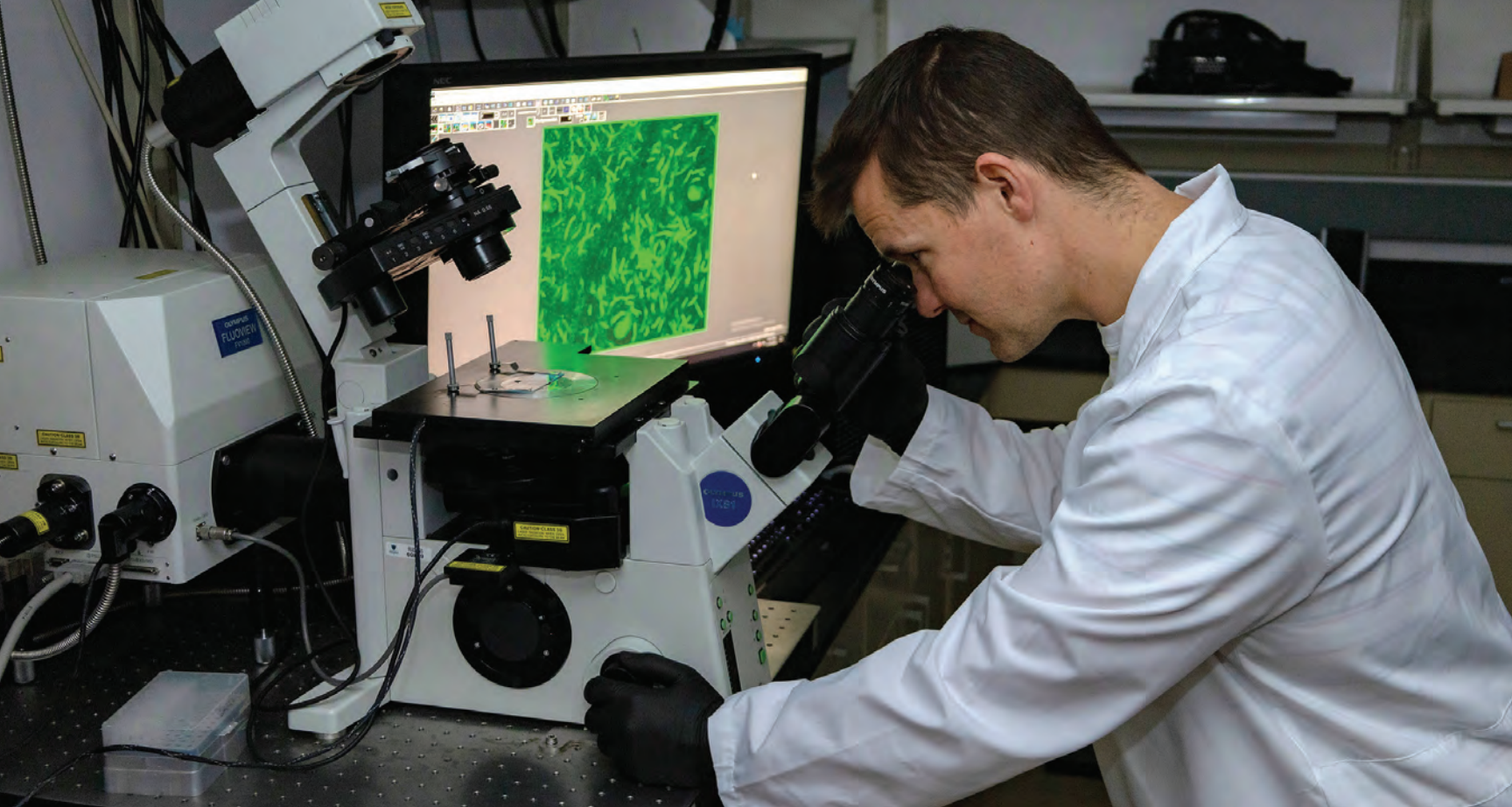


**“The master’s program in Transplantation and Donation Sciences has been life-changing,** offering me the skills and confidence to fulfill a deeply personal calling. Seven years ago, my husband’s life was saved through the selfless gift of an organ donor, inspiring my dedication to helping others receive this extraordinary gift. This program is preparing me to make a meaningful impact, saving lives and transforming communities.”

AMUCHE O. OJI '25

M.S.B.S., Transplantation and Donation Sciences Program (TaDS)





## Master of Science in Biomedical Science (M.S.B.S.) — Assistant in Pathology

Accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), this program offers a full-time, 22-month curriculum that leads to a Master of Science in Biomedical Science (M.S.B.S.) degree. The curriculum features a blend of theoretical coursework, practical experience in surgical pathology and rotations in forensic and hospital autopsy. Throughout their clinical rotations, students collaborate closely with experienced faculty, equipping them for the ASCP Certification exam and a rewarding career.

The mission of the Pathologists' Assistant Program is to deliver a comprehensive educational experience — both didactic and clinical — that cultivates well-informed and skilled pathologists' assistants. Graduates are prepared to provide high-quality, cost-effective, patient-centered healthcare services across diverse settings.



**“The University of Toledo Pathologists’ Assistant Program has provided me with the critical reasoning and application required for high-level healthcare.** Early and consistent clinical exposure, one-on-one faculty advising and all-encompassing didactics have prepared me for an exciting, successful future career.”

SOPHIA WEDEL '25

Pathologists' Assistant Student

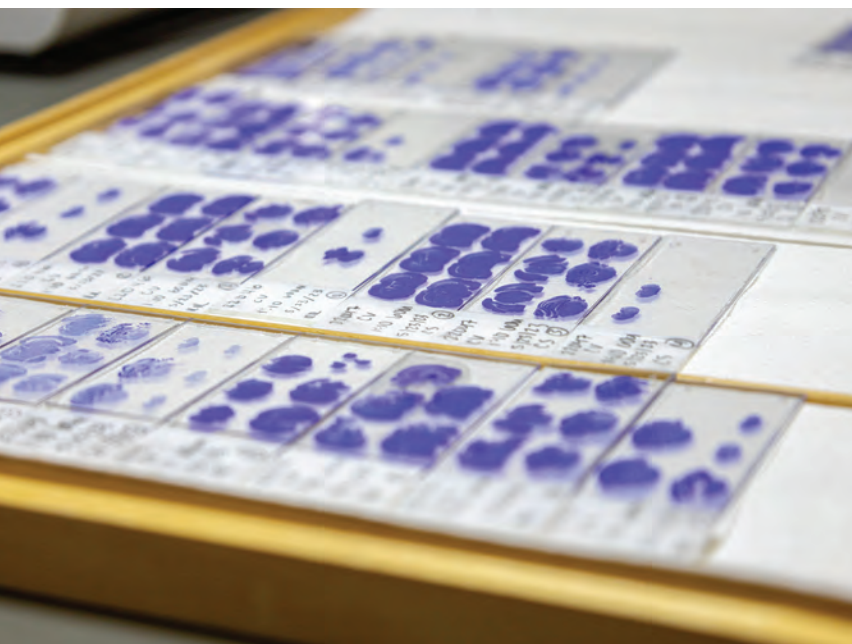




## Master of Science in Biomedical Science (M.S.B.S.) – Clinical Research

The University of Toledo's Master of Clinical Research degree, a comprehensive 31-credit program that merges our renowned clinical care expertise with cutting-edge research excellence.

Whether you choose to pursue your degree full-time over three semesters or part-time over three to four years, our flexible options are tailored to fit your schedule. This program is specifically designed for students and healthcare professionals eager to embark on a journey into academic medicine and clinical research.





## Master of Science in Biomedical Science (M.S.B.S.) – Medical Physics

Accredited by Commission on Accreditation of Medical Physics Education Programs (CAMPEP).

Join the forefront of medical innovation with our Master of Science in Biomedical Science, specializing in Medical Physics. This program prepares future medical physicists to harness the principles of physics in the realms of human biology and medicine. Radiological medical physicists play a critical role in the safe and effective use of radiation for medical diagnosis and treatment, contributing to advancements in patient care.



**“My clinical experience from UToledo helped me match to Texas Oncology and transition smoothly into my role as resident.”**

JAKE BERTEMES '23

Medical Physics Program graduate





# UNDERGRADUATE PROGRAMS

## Bachelor of Science in Neuroscience

Are you curious about how the brain works and its vital role in our everyday lives? An undergraduate degree in Neuroscience is an excellent choice for aspiring medical students and anyone fascinated by the complexities of the human brain.

Neuroscience professionals dive into the structure and function of the brain and nervous system, conducting groundbreaking research and working in dynamic lab environments. They play a crucial role in patient care and are at the forefront of developing innovative medications and therapies for neurological disorders.

By exploring the biological mechanisms of the brain, neuroscientists help answer essential medical questions, such as how we perceive pain and the underlying causes of conditions like Alzheimer's disease.



**“The faculty’s support and dedication were crucial.**

As part of the first cohort, I felt encouraged to ask questions, give feedback, and collaborate. The program’s focus on critical thinking and hands-on learning equipped me with the skills to tackle complex material effectively career.”

ANAGAA NATHAN

Current Neuroscience Student



## Bachelor of Science in Radiation Therapy

Our Radiation Therapy program equips you with the essential knowledge and skills to become certified radiation therapists. The program begins with two years of foundational coursework on UToledo's Main Campus, followed by an intensive two-year professional training phase. This phase includes specialized courses on Health Science Campus, hands-on laboratories and exercises in our state-of-the-art Department of Radiation Oncology, and practical training at local radiation therapy clinics. Join us to launch your career in this vital and rewarding field.



**"I was inspired to join the Radiation Therapy program by my passion for helping patients and making a difference in their lives.** Through hands-on learning and clinical experience, I will gain a deeper understanding of how therapists provide hope and healing. This program will further strengthen my commitment to pursuing my future career, where I can continue supporting patients on their journey to recovery."

ADA GRIFFITH

Current Radiation Therapy Student



## The University of Toledo Health Science Campus


is a hub for education, research and clinical care, housing the Colleges of Medicine and Life Sciences, Pharmacy and Pharmaceutical Sciences, the School of Nursing and UToledo Health. The campus provides an integrated environment where future health professionals learn alongside top-tier researchers and experienced clinicians.





# Alumni

When you graduate from the College of Medicine and Life Sciences, you'll join a distinguished network of more than 173,000 UToledo alumni, including 11,000 College of Medicine and Life Sciences alumni across the U.S. and around the world.



**Lucas Dasher,**  
**M.S.B.S. '13**

Portland, Oregon  
Preservation Team Lead,  
Cascade Life Alliance



**Gayatri Subramanian,**  
**Ph.D. '20**

Hamilton, Montana  
Research Fellow,  
National Institute of Allergy  
and Infectious Diseases



**Saravanan Kaliyaperumal,**  
**Ph.D., M.P.H. '09**

La Jolla, California  
Scientific Director,  
Pathobiology  
Johnson and Johnson  
Innovative Medicine



**Jennifer G. Christner, M.D. '95**

Houston, Texas  
Senior Dean,  
Schools of Medicine and  
Health Professions at Baylor  
College of Medicine





**Tom Blomquist,**  
**M.D., Ph.D. '10, '12**

Toledo, Ohio  
Lucas County Coroner



**Latrice Faulkner,**  
**Ph.D. '16**

Ann Arbor, Michigan  
Program Manager,  
MM Caswell Diabetes  
Institute University of  
Michigan



**Sharon T. Thomas,**  
**M.D., FAAP '10**

Toledo, Ohio  
Pediatric Intensivist,  
ProMedica Russell J. Ebeid  
Children's Hospital  
Program Director,  
The University of Toledo  
Pediatric Residency



**Timothy Graves,**  
**Ph.D. '06**

Reading, Pennsylvania  
Vice President,  
SAI MedPartners



**Ada D. Stewart,**  
**R.Ph., M.D., FAAFP,**  
**HMDC, AAHIVS '00**

Columbia, South Carolina  
Lead Physician and  
HIV Specialist,  
Waverly Family Practice  
Cooperative Health

# TO DO BIG THINGS IN A GREAT CITY



## UToledo is at the heart of a Midwest gem

Not too big and not too small, Toledo is just the right size with recreation and career opportunities to complement your UToledo education. Hit up the restaurant scene and enjoy live music, visit one of the many locally owned coffee shops, spend an afternoon at our nationally ranked Toledo Zoo, take in the galleries at The Toledo Museum of Art or enjoy one of the many Broadway shows and concerts that Toledo has to offer.

## Ready for some quiet time to recharge?

Nature is at your doorstep — Toledo is **a top 50 U.S. city with the most green space** per capita and has a MetroPark system awarded the American Academy for Park and Recreation Administration National Gold Medal for the **#1 park system in the United States**.

The City of Toledo is affordable and gives you space to grow into your passions, whatever they may be.







## LEARN MORE

[utoledo.edu/med](https://utoledo.edu/med)

## VISIT CAMPUS

[utoledo.edu/med/about/visit-directions](https://utoledo.edu/med/about/visit-directions)

### College of Medicine and Life Sciences

Mail Stop 1018  
The University of Toledo  
3000 Arlington Ave.  
Toledo, OH 43614-2598  
419.383.3680

### Graduate Programs

[biomedsciencegrad@utoledo.edu](mailto:biomedsciencegrad@utoledo.edu)

### M.D. Programs

[medadmissions@utoledo.edu](mailto:medadmissions@utoledo.edu)  
[utoledo.edu/med](https://utoledo.edu/med)

    @UToledoMed



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AND LIFE SCIENCES**

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