Now in its third century, the University of Maryland School of Medicine (UMSOM) was chartered in 1807 as the first public medical school in the United States. It continues today as one of the fastest growing, top-tier biomedical research enterprises in the nation. Our faculty includes members of the National Academy of Medicine and the National Academy of Sciences, as well as a distinguished two-time winner of the Albert E. Lasker Award in Medical Research.

As one of the seven professional schools that make up the University of Maryland, Baltimore campus, the UMSOM has a total workforce of nearly 8,500 individuals. The UMSOM works closely, and in partnership, with the University of Maryland Medical Center and Medical System to provide research-intensive, academic, and clinically-based care.

The UMSOM reached $563 million in extramural funding, with most of its academic departments highly ranked among all medical schools in the nation in research funding. The UMSOM faculty, which ranks as the 7th highest among public medical schools in research productivity, is an innovator in translational medicine, with over 358 granted patents and 33 start-up companies. The UMSOM works locally, nationally, and globally, with research and treatment facilities in 36 countries around the world.

Our Student Enrollment

In 2020, of the 4,884 UMSOM MD applicants, 546 were interviewed and 152 entered as students of the Class of 2024.

E. Albert Reece, MD, PhD, MBA
Executive Vice President for Medical Affairs, UM Baltimore
John Z. and Akiko K. Bowers Distinguished Professor and Dean, University of Maryland School of Medicine.

Dean Reece is a renowned NIH-funded researcher in the field of Developmental Biology and Maternal-Fetal Medicine and a member of the National Academy of Medicine.
Our Research

The research vision of the UMSOM is to achieve the highest level impact of research and discovery on human health — in the region, the nation, and around the world. With a footprint of almost 2.5 million square feet, including academic and advanced biomedical research facilities, nearly $600 million in total research funding, and over 3,100 medical school faculty, the UMSOM is regarded among the top echelon of research-intensive academic medical institutions in the United States.

The UMSOM is recognized nationally and internationally for its scientific breakthroughs and discoveries in critical areas of research, including vaccine development, trauma, solid organ/stem cell/tissue composite transplantation, genomics, cancer, HIV/AIDS, heart and vascular disease, kidney disease and neuroscience. In particular, the UMSOM is known for advancing solutions to the most challenging patient cases, and for taking on the most debilitating and complex diseases through discovery-based medicine.

The UMSOM’s major research institutes, centers, and programs focus on key areas of scientific investigation — including human virology, vaccine development and global health, health disparities and population health, oncology, personalized and genomic medicine, sports medicine, neuroscience, aging, and trauma.

In 2020-21, the UMSOM has been a national leader on the front lines of vaccine development, testing, and treatment for COVID-19.

Our Philanthropy & Revenue

The UMSOM concluded FY20 with gifts and commitments of $53.8 million. UMSOM’s philanthropic dollars are typically a combination of private, individual, and foundation gifts. The two top philanthropic FY20 gifts were for sponsored research totaling $12.5 million from the Bill & Melinda Gates Foundation.

FY20 REVENUES TOTALED $1.2 Billion:

- $563.2M 46.9% Total Grants & Contracts
- $538.7M 44.9% Reimbursements from Affiliated Hospitals & Medical Services Plan
- $53.3M 4.4% State Appropriations
- $34.4M 2.9% Tuition & Fees
- $11.1M .9% Gifts, Endowments & Other Income

Our Community Impact

The UMSOM is a vital part of the West Baltimore community in which it resides, and strives to bring a better quality of life to its citizens. Each year, faculty, staff, and students commit hundreds of hours doing community outreach in hospitals, clinics, homeless shelters, and schools. Our Mini-Med School, Mini-Med School for Kids and Seniors Medical Institute provide hundreds of adults and children with tuition-free, faculty-led classes to improve health and well being.

12 ACADEMIC DEPARTMENTS RANKED IN THE TOP 25 (Blue Ridge Report)

200 STUDENTS VOLUNTEERED TO FIGHT COVID-19

211 GRADUATED FROM MINI-MED SCHOOL FOR KIDS VIA ZOOM

For five consecutive weeks, students learned about infectious diseases, hand hygiene, nutrition, forensics, DNA, and the importance of physical activity through interactive, one-hour sessions.
Our Rankings

**AAMC RANKINGS:** According to the Association for American Medical Colleges 2020 profile data, UMSOM continues to rank in the Top 10 (7th) among all public medical schools, and 22nd among all 154 public and private medical schools nationwide in total research funding.

The AAMC data also shows that our faculty has one of the highest levels of productivity in the United States. Across all schools, the mean funding per principal investigator is $322,924. At the UMSOM, the mean funding per principal investigator is $554,772, placing us in the top 10th percentile of productivity for all medical schools.

**BLUE RIDGE REPORT:** Half of UMSOM’s academic departments (12) are now ranked in the top 25 of all medical schools. Seven ranked in the top 20, and three ranked in the top 10 of all public medical schools.

**TOP DOCS BY BALTIMORE MAGAZINE:** A record 163 University of Maryland School of Medicine doctors who provide care to patients at the University of Maryland Medical Center Downtown and Midtown Campuses and our clinical practice sites have been recognized as “Top Doctors” in the Nov. 2020 issue of Baltimore Magazine.

Our Leadership*

Throughout our history, the UMSOM has been a leader in taking on the most complex diseases, the most challenging patient cases, and the most difficult scientific problems:

- We were the first public medical school in the U.S. — first to build a teaching hospital and first to offer a residency program;
- We invented the field of Shock Trauma and are one of the top centers for treating trauma and critical care patients in the world;
- We were the first medical school to discover the relationship between insects and disease;
- We performed some of the first surgeries to remove organs and were the first to show that operations could be performed on the heart;
- We have one of the largest organ transplant centers in the U.S., performing more than 350 transplants a year;
- We have made critical vaccine breakthroughs in preventing the spread of deadly infectious disease — including COVID-19, Ebola, Zika, cholera, MERS/SARS, influenza, and typhoid — and are among the top sites for vaccine development in the U.S. as designated by the World Health Organization;
- We co-discovered HIV as the cause of AIDS, and the UMSOM’s Institute of Human Virology has treated more than a million HIV patients around the world;
- Our faculty have saved hundreds of thousands of lives with scientific breakthroughs for the treatment of breast cancer, cerebral palsy, epilepsy, schizophrenia, ulcerative colitis, heart disease, and stroke;
- We were the first to use an unmanned aircraft to deliver a donor kidney to surgeons for successful transplantation in a patient with kidney failure.

*Including alumni, faculty, and other affiliations.

163
TOP DOCS

7th
IN RESEARCH FUNDING AMONG PUBLIC MEDICAL SCHOOLS

2020
FIRST IN U.S. TO TEST A UNIQUE RNA COVID-19 VACCINE CANDIDATE

In a global effort to discover a safe and effective vaccine for COVID-19, researchers at the UMSOM became the first in the U.S. to begin testing experimental COVID-19 vaccine candidates developed by Pfizer and BioNTech.
Our Joint Partnership

University of Maryland Medicine, our joint partnership with the University of Maryland Medical System (UMMS), is based on a shared vision to be global leaders in healthcare, medical education, and biomedical research. As a result, the UMSOM has continued to expand its clinical practices across Maryland to more than 60 sites, most of which are located near the 13 hospitals within UMMS. This growth ensures that both UMSOM and UMMS offer the highest standard of excellence in quality-driven, patient-centered care, now and in the future.

UMMS is able to offer fiscal stability and the purchasing power of its hospital facilities, while the UMSOM offers the intellectual capital of over 3,100 faculty physicians, researchers, and allied health professionals, all committed to the continuous refinement of the quality of care they provide. This partnership creates a strong foundation for continued growth — one that will enable us to provide even more patients with access to what we develop and discover.

Combined, we have an annual budget of nearly $6 billion and a total economic impact of more than $15 billion on the state and local community.

With over 32,000 employees, University of Maryland Medicine provides research-intensive, academic and clinically based care for nearly 2 million patients annually.

The University of Maryland Medical Center is currently one of the top two medical centers in the U.S. for taking on the most complex patient cases, as measured by the Case Mix Index.

The UMSOM has been on the front lines of the pandemic during this unprecedented year.

For more information visit us at medschool.umaryland.edu

550 COVID-RELATED STORIES IN NATIONAL NEWS MEDIA
200M+ TOTAL WORLDWIDE AUDIENCE