



Just the Facts 2017-18



**UNIVERSITY of MARYLAND
SCHOOL OF MEDICINE**

The University of Maryland School of Medicine

Commemorating its 210th anniversary, 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 world — with 45 academic departments, centers, institutes, and programs, and with a faculty of more than 3,000 physicians, scientists, and allied health professionals.

With an operating budget of more than \$1 billion, the UMSOM works closely in partnership with the University of Maryland Medical Center and Medical System to **provide research-intensive, academic, and clinically-based care for more than 1.2 million patients each year.**

The UMSOM has over **2,500 students, residents and fellows, and nearly \$450 million in extramural funding**, with more than half of its academic departments ranked in the top 20 among all public medical schools in the nation in research funding. The UMSOM faculty, which ranks as the 8th-highest public medical school in research productivity, is an innovator in translational medicine with 600 active patents and 24 start-up companies. The School works locally, nationally, and globally, with research and treatment facilities in 36 countries around the world.

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

Dean Reece, a member of the prestigious National Academy of Medicine, is a renowned NIH-funded researcher in the field of Maternal-Fetal Medicine.



Our Organization

- 25** Academic Departments
- 9** Organized Research Centers
- 7** Programs
- 4** Institutes

Faculty & Staff

- 2,986** Faculty {1,370 full-time; 285 part-time; 1,331 adjunct}
- 3,188** Staff {1,025 FPI, 2,163 UMSOM}
- 521** Post-Doctoral Fellows {233 clinical; 288 research}

1,275 Students

- 610** Medical (MD)
- 50** MD/PhD
- 301** Graduate (MS/PhD)
- 51** Public Health (MPH)
- 192** Physical Therapy (DPT/PhD)
- 16** Genetic Counseling (MGC)
- 49** Medical and Research Technology (BS/MS)
- 6** Clinical Research Certificate

TOTAL WORKFORCE of 8,249



STATISTICS on the Class of 2021

Total MD Program Applications: 4,837

- 2,398** Men
- 2,431** Women
- 921** Maryland Residents
- 3,916** Non-Maryland Residents

Entering Class of 2017

- 160** Total Students
- 41%** Male **59%** Female
- 72%** Maryland Residents **28%** Non-Resident
- 21-29** Age Range in Years
- 12%** Underrepresented in Medicine
- 61** Colleges and Universities Represented

Average GPA

- 3.81** Overall
- 3.77** Science

Average MCAT

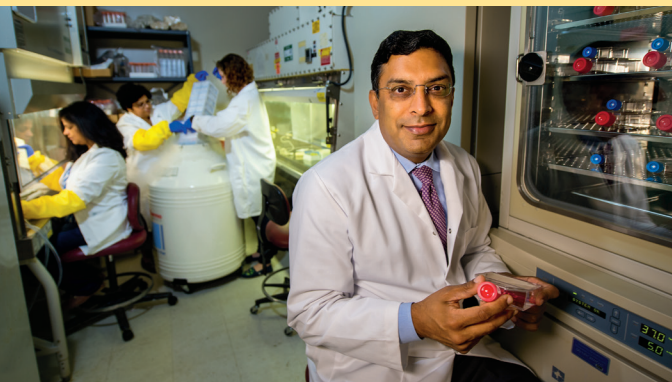
- 32** Old
- 512** New

Our Research

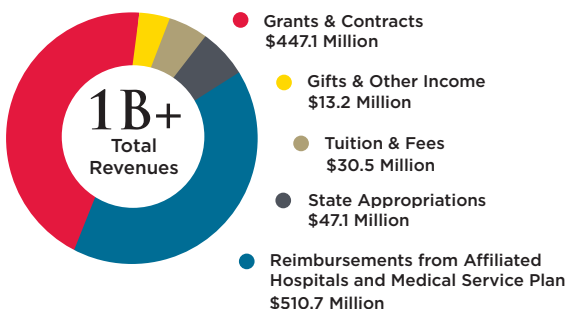
The University of Maryland School of Medicine is **one of the fastest-growing medical research enterprises in the nation**. It is now regarded as a leader in research in a variety of areas, including solid organ, stem cell and composite tissue transplantation, genomics, cancer, HIV/AIDS, heart disease, kidney disease, and neuroscience.

KEY RESEARCH ADVANCES in the PAST DECADE INCLUDE:

- Established new individual research centers and institutes on the study of genomic sciences; human virology; stem cell biology and regenerative medicine; shock, trauma, and anesthesiology; biomolecular therapeutics; and global health;
- Conducted extensive research in transplantation leading to breakthroughs in face, kidney, liver, and lung transplants;
- Led with breakthroughs of major vaccines for Ebola, malaria, MERS, and cholera, and started clinical trials for a new HIV vaccine;
- Created new Center for Health and Bioinformatics in collaboration with the University of Maryland, College Park to manage “big data” associated with clinical databases;
- Launched UMSOM annual research symposium, “Festival of Science,” and formed UMSOM Scientific Advisory Council, made up of Nobel Laureates and world-renowned National Academy scientists;
- Formed the Brain Science Research Consortium Unit — the first UMSOM multi-disciplinary consortium unit — focused on “big science” investigations;
- Achieved the National Cancer Institute’s highest designation of the UM Greenebaum Cancer Center as a “Comprehensive” Cancer Center;
- Continued construction of new, state-of-the-art UMSOM Research Building, the largest building and research facility in the University System of Maryland.



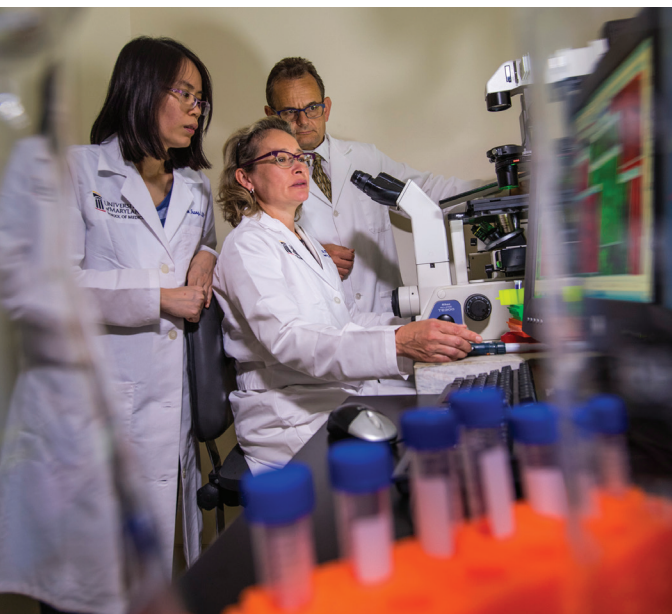
Our Revenues



REVENUES TOTALED more than **\$1 billion** in FY17

Our Philanthropy

In FY17, our philanthropy dollars are typically a combination of private, individual gifts, and foundation grants. **We generated more than \$52 million in total fundraising.** This year's total was particularly significant in that more than half of the amount raised (\$28.5 million) came from private philanthropy, with \$23.8 million coming from sponsored research.





Our Joint Partnership

University of Maryland Medicine, which describes our joint partnership with the University of Maryland Medical System, is based on a **shared vision to be global leaders in healthcare, medical education, and biomedical research**. Few other partnerships are as integrated across an entire hospital system as the one shared by UMSOM and UMMS. The strength of this unique partnership comes from aligning what each does best.

UMMS is able to offer fiscal stability and the purchasing power of its 16 hospital facilities, while the UMSOM offers the intellectual capital of over 3,000 faculty physicians and researchers, all committed to the continuous refinement of the quality of care they provide. This creates a strong foundation for continued growth — **that will enable us to provide even more patients with access to what we develop and discover**.

With over 32,000 employees, University of Maryland Medicine has a combined budget of over \$5 billion and a total economic impact of nearly \$16 billion on the state and local community.



Our Rankings

Research funding is a standard, objective way to measure program excellence, because it is secured through a competitive process. It also is a direct reflection of the strength of our research enterprise. Our mean funding per principal investigator is \$410,000, placing us in the 85th percentile of productivity of all medical schools.

ASSOCIATION of AMERICAN MEDICAL COLLEGES (AAMC) RANKINGS

Grants and contracts for our researchers in FY17 totaled \$447.1 million. AAMC ranks School of Medicine: 8th among all 88 public medical schools and **26th** among all 145 public and private medical schools nationwide in research grant and contract expenditures.

BLUE RIDGE RANKINGS

School of Medicine ranks in the Top 20 among all U.S. public medical schools in two-thirds of our departments:

TOP 10:

Public Health/
Preventive Medicine (5)
Anesthesiology (6)
OB/GYN (6)
Orthopaedics (9)
Psychiatry (9)
Physiology (9)
Otorhinolaryngology (10)
Surgery (10)

TOP 20:

Internal Medicine (11)
Neurosurgery (12)
Emergency Medicine (12)
Microbiology (13)
Pediatrics (15)
Radiology (15)
Family Medicine (19)



A Tradition of Innovation and Leadership

Top 10 Things You Didn't Know About the University of Maryland School of Medicine

- 1 We were the **first** public medical school in the U.S. — **first** to build a teaching hospital, **first** to offer a residency program, **first** to establish a medical college library, wrote some of the **first** medical textbooks and created many of the **first** courses on the study of medicine;
- 2 We **invented** the field of Shock Trauma and are one of the top centers for treating trauma patients in the world;
- 3 We were the **first** medical school to discover the relationship between insects and disease;
- 4 We were the **first** to develop a plan for the evacuation of wounded soldiers, and we established the **first** military hospital;
- 5 We performed the **first** surgery to remove an organ and were the **first** to show that operations could be performed on the heart. Our surgeons also performed the **first** vaginal hysterectomy, the **first** removal of the larynx, the **first** minimally-invasive gall bladder removal, the **first** repeat Cesarean Section, the **first** artificial organ replacement and the most comprehensive face transplant in history;
- 6 We were the **first** to include psychiatric principles in a patient's clinical history;
- 7 We **co-discovered** HIV as the cause of AIDS and UMSOM's Institute of Human Virology has treated more than a **million HIV patients** around the world;
- 8 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;
- 9 We were the **first** to map the complete genetic code of a free-living organism;
- 10 We are one of the **top 10** organ transplant centers in the United States.

To learn more, visit us at medschool.umaryland.edu



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