MISSION

To improve the human condition and serve the public good of Maryland and society at-large through education, research, clinical care, and service.

VISION

The University will excel as a pre-eminent institution in its missions to educate professionals, conduct research that addresses real-world issues affecting the human condition, provide excellent clinical care and practice, and serve the public with dedication to improve health, justice, and the public good. The University will become a dominant economic leader of the region through innovation, entrepreneurship, philanthropy, and interdisciplinary and interprofessional teamwork. The University will extend its reach with hallmark local and global initiatives that positively transform lives and our economy. The University will be a beacon to the world as an environment for learning and discovery that is rich in diversity and inclusion. The University’s pillars of professionalism are civility, accountability, transparency, and efficiency. The University will be a vibrant community where students, faculty, staff, visitors, and neighbors are engaged intellectually, culturally, and socially.

SCHOOLS

<table>
<thead>
<tr>
<th>School</th>
<th>Year Founded</th>
</tr>
</thead>
<tbody>
<tr>
<td>School of Medicine</td>
<td>1807</td>
</tr>
<tr>
<td>Carey School of Law</td>
<td>1824</td>
</tr>
<tr>
<td>School of Dentistry</td>
<td>1840</td>
</tr>
<tr>
<td>School of Pharmacy</td>
<td>1841</td>
</tr>
<tr>
<td>School of Nursing</td>
<td>1889</td>
</tr>
<tr>
<td>Graduate School</td>
<td>1918</td>
</tr>
<tr>
<td>School of Social Work</td>
<td>1961</td>
</tr>
</tbody>
</table>

Facilities

Located in Baltimore, the campus consists of 71 acres with 6.5 million gross square feet of space in 62 buildings.

CORE VALUES

ACCOUNTABILITY  EXCELLENCE
CIVILITY        KNOWLEDGE
COLLABORATION  LEADERSHIP
DIVERSITY

STUDENTS — The Future of Care

As the state’s only public health, law, and human services university, UMB confers the majority of professional practice doctoral degrees awarded in Maryland each year.

ENROLLMENT BY PROGRAM

<table>
<thead>
<tr>
<th></th>
<th># of students</th>
<th>% of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>13% UNDERGRADUATE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nurses</td>
<td>826</td>
<td>12%</td>
</tr>
<tr>
<td>Dental Hygienists</td>
<td>30</td>
<td>0.5%</td>
</tr>
<tr>
<td>Medical Technologists</td>
<td>22</td>
<td>0.5%</td>
</tr>
<tr>
<td>Undergraduate Total</td>
<td>878</td>
<td>13%</td>
</tr>
</tbody>
</table>

87% PROF./GRADUATE

<table>
<thead>
<tr>
<th></th>
<th># of students</th>
<th>% of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nurses</td>
<td>1,162</td>
<td>17%</td>
</tr>
<tr>
<td>Biomedical</td>
<td>1,132</td>
<td>17%</td>
</tr>
<tr>
<td>Social Workers</td>
<td>971</td>
<td>14%</td>
</tr>
<tr>
<td>Lawyers</td>
<td>742</td>
<td>11%</td>
</tr>
<tr>
<td>Physicians</td>
<td>629</td>
<td>9%</td>
</tr>
<tr>
<td>Dentists</td>
<td>587</td>
<td>9%</td>
</tr>
<tr>
<td>Pharmacists</td>
<td>534</td>
<td>8%</td>
</tr>
<tr>
<td>Physical Therapists</td>
<td>192</td>
<td>3%</td>
</tr>
<tr>
<td>Prof./Graduate Total</td>
<td>5,949</td>
<td>87%</td>
</tr>
</tbody>
</table>

Total — Fall 2019 6,827 100%
STUDENT DEMOGRAPHICS

27% MALE
73% FEMALE

73% IN-STATE
27% OUT-OF-STATE

18% AFRICAN-AMERICAN

44% MINORITIES

EMPLOYMENT — FALL 2019

Faculty 2,884
Executive/Prof. 2,527
Support Personnel 1,448
Total Regular Employees 6,859
Student Employees 772
Total Employees 7,631

AN ENTREPRENEURIAL CAMPUS

FY 2020 - Sources of Funds

Research Contracts and Grants 41%
Clinical (Patient) Care 25%
Research and Clinical Care 66%
State Funds 19%
Tuition & Fees 11%
Auxiliary Fees 4%
Total $1.33 Billion 100%

HISTORY

1807
The Maryland General Assembly chartered the College of Medicine in 1807; it is now the nation’s oldest public medical school.

1812
In 1812, the Maryland General Assembly rechartered the College of Medicine as the University of Maryland and expanded its mission.

1824
The forerunner of the law school, the Maryland Law Institute, was opened in 1824.

1840
The world’s first dental college, the Baltimore College of Dental Surgery, was chartered in 1840.

1841
The following year in 1841, the Maryland General Assembly chartered the College of Pharmacy, making it the fourth oldest pharmacy school in the nation.

1889
In 1889, Louisa Parsons, a colleague of Florence Nightingale, established the School of Nursing, one of the nation’s oldest formal nursing training programs, at the University of Maryland.

1918
To promote and enhance research, scholarship, and advanced study, the Graduate School opened in 1918.

1961
In response to growing social and cultural needs, the School of Social Work opened in 1961.

NATIONAL RANKINGS

Dentistry 7th NIH Funding (Publics) FY 2018
Medicine 8th Total Grants and Research Expenditures (Publics) AAMC FY 2018
Law Three specialties in top 10 in U.S. News & World Report, with Evening Program 4th, Health Law 6th, and Clinical Training 7th
Nursing 6th U.S. News & World Report. Four specialties in top 10 with Nursing Informatics at No. 1
Pharmacy 9th U.S. News & World Report
Social Work 17th U.S. News & World Report
DRIVING THE ECONOMY

**Dramatic Achievements**

- **FY 2019** — awarded $664.7 million in grants and contracts
- **Yield** — $1,361,988 research dollars per core faculty

**Return on Investment**

- Yields $13 in economic activity for each $1 of state general fund appropriation
- Generates 18,000 jobs
- Together with the University of Maryland Medical Center and affiliated physician practices, generates $7 billion in annual economic activity

COMMERCIAL POTENTIAL

In FY19, UM Ventures — the joint technology transfer enterprise of UMB and the University of Maryland, College Park (UMCP) — accelerated the translation of research into market-ready technologies and therapies that improve health, wellness, safety, and productivity. Commercialization of technology at UMB alone was substantial with:

- 217 new patent filings
- 48 new license agreements
- seven new startup companies
- three new UM Ventures investments in UMB startups

UMB technologies and startups are making significant strides in achieving regulatory approvals and raising funding. Recent successes include:

- **Breethe**, a UMB startup developing a wearable artificial lung, raised $6 million in funding. Since 2015 Breethe has raised more than $16 million.
- **CoapTech** received U.S. Food and Drug Administration (FDA) clearance for its PUMA-G System, which enables ultrasound-based placement of percutaneous gastrostomy feeding tubes. CoapTech also was awarded a $1.2 million National Institutes of Health (NIH) grant to support a 40-patient clinical trial at the University of Maryland Medical Center.
- **NeoProgen**, a biotech company developing a cell therapy that could help patients who have suffered a heart attack, raised $1.5 million in seed funding. NeoProgen is led by Bill Niland, former CEO of UMB startup Harpoon Medical, which was acquired by Edwards Lifesciences for $100 million in 2017.
- **Pumas-AI** released its first, cutting-edge software platform for pharmaceutical researchers and clinicians. Pumas-AI is working to double pharmaceutical and patient care success rates by democratizing tools and education in the health care data analytics space.

UM Ventures also provides tailored funding, educational programs, and other resources that strengthen the commercialization of high-potential University-based discoveries, with specific efforts to encourage University-created or -sponsored technology companies to locate in Baltimore City. Highlights include:

- **The Maryland Momentum Fund**, the University System of Maryland’s (USM) $10 million early-stage investment program, has invested more than $1.5 million in USM-affiliated companies, with $11.1 million in matching funds from more than 14 co-investors. Two companies, NextStep Robotics and NeoProgen, are based on UMB intellectual property and one, Veralox Therapeutics, was founded by a School of Medicine alum.
- **The Baltimore Fund** has encouraged the expansion and location of 16 companies in qualifying areas, creating or retaining more than 350 jobs.
- **The Life Sciences IP Fund** has approved more than $1.7 million in investments to move 10 early-stage technologies forward and accelerate commercialization at UMB. The projects have resulted in three options, two licenses, and three startups with 12 additional outcomes, including new disclosures, publications, and presentations.
- **The Grid** (Graduate Research Innovation District) houses UMB startups and two early-stage companies, b.well and ARMR Systems, and offers business development services through programs such as the Small Business Development Center and Carey School of Law IPEC Law Clinic.

The 14-acre **University of Maryland BioPark**, home to more than 1,000 employees, provides sophisticated lab and office space for nearly 40 early-stage life science companies, University-based startups, and sophisticated bioscience industry leaders such as Illumina, Catalent, and Pharmaron.
COMMUNITY SERVICE

Students, faculty, and staff contribute more than 2 million hours of service annually to citizens throughout Maryland, providing programming that improves health and wellness, advances justice, promotes economic development, and strengthens families and communities.

HEALTH AND LEGAL CARE

Medicine

- Attending physicians at the University of Maryland Medical Center are faculty members of the School of Medicine (SOM).
- Research funding in FY19 totaled $542.1 million, the highest total ever. Also this year, SOM received its largest research contract to date — $200 million — to develop and test a universal vaccine for influenza.
- SOM now has recruited 20 top scientists, adding $60 million in total research funding as part of the school’s STRAP (Special Trans-disciplinary Recruitment Award Program) initiative, including Christine Lau, MD, MBA, who becomes the first woman in SOM’s history to chair the school’s Department of Surgery.

Dentistry

- Only dental school in Maryland and the largest provider of oral health services to Medicaid children/HIV patients
- More than 23,000 patients and 95,000 patient visits per year
- Founded in 1840, it is the world’s first dental college.

Carey Law

- Each year 150 Carey Law students provide nearly 75,000 hours of free legal services through 17 legal clinics, making the Clinical Law Program one of the region’s largest public interest law firms.

Nursing

- The nurse’s clinic at Paul’s Place, a community outreach center in Southwest Baltimore, provided 460 intensive clinical case management visits to patients in FY19. As a result, the clinic — run by assistant professor Kelly Doran, PhD ’11, MS ’08, RN — was able to divert 77 percent of non-emergent cases to an appropriate non-emergent care facility. The clinic serves as a clinical placement for nursing, medical, and social work students at UMB.

Pharmacy

- In 2018, the Maryland Poison Center received 39,360 calls.
- Faculty and staff provide clinical service to approximately 40,000 patients each year in more than 30 practice settings in specialties such as community pharmacy, cardiology, oncology, pediatrics, HIV/AIDS, mental health, diabetes, geriatrics, and palliative care.

Social Work

- More than 800 social work students provide over 500,000 hours of care to Maryland citizens annually.

ENGAGEMENT IN BALTIMORE

- The UMB Community Engagement Center, adjacent to campus, provides direct health, employment, legal, and social services to West Baltimore residents, and works with them on neighborhood-strengthening projects.
- UMB CURE Scholars is a long-term mentoring program designed to excite West Baltimore middle and high school students about science and begin preparing them for rewarding careers in research and health care.
- The UM School of Social Work operates Promise Heights, a network of partnerships and services intended to stabilize and strengthen families in a high-need West Baltimore neighborhood and help children succeed in school.
- The Partnership With West Baltimore is a collaboration between UMB and the University of Maryland Medical Center designed to improve population health, stimulate economic and community development, boost academic achievement, and nurture community connections.

FOR MORE INFORMATION, CONTACT THE UNIVERSITY OF MARYLAND, BALTIMORE GOVERNMENT AFFAIRS OFFICE AT 410-269-5087.

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