



WE ARE UMB

Fiscal Year 2026 Operating Budget Testimony to the Maryland General Assembly

PRESENTED BY

Bruce E. Jarrell, MD, FACS

President, University of Maryland, Baltimore

February 2025



The University of Maryland, Baltimore (UMB) is committed to improving the human condition through leadership in education, research, clinical care, and public service.

We train the professionals who secure the health and well-being of Maryland's citizens and who promote the rule of law. We create the knowledge that cures disease and strengthens communities locally and globally. We develop the practitioners and innovators who drive discovery and fuel economic growth. We serve as an important anchor institution in Baltimore.

I am grateful to the governor and Maryland General Assembly for their continued support of UMB. We are good stewards of the funds allocated to us as we strive to keep Maryland healthy and strong.

In the pages that follow, you'll see some of the ways in which UMB is researching solutions, expanding efforts to train Maryland's workforce, invigorating its economy, and providing exceptional care and counsel to citizens across the state.

We remain eager to work with you in building Maryland's future — one shaped by knowledge, innovation, and, always, care for each other.

Sincerely,

A handwritten signature in black ink that reads "Bruce E. Jarrell". The signature is fluid and cursive, with the first name "Bruce" being the most prominent.

BRUCE E. JARRELL, MD, FACS
President

7 SCHOOLS

DENTISTRY | GRADUATE STUDIES | LAW | MEDICINE | NURSING | PHARMACY | SOCIAL WORK



8,280 FACULTY AND STAFF
6,636 STUDENTS

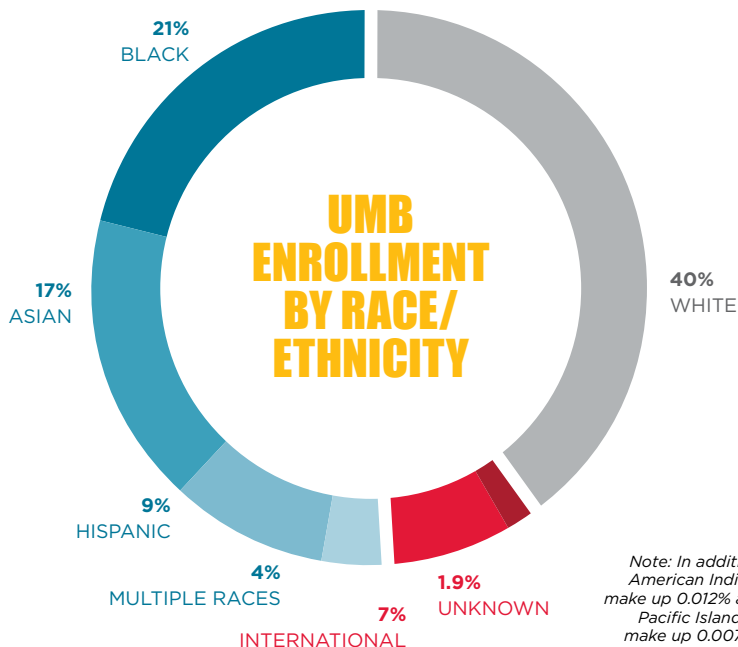


97 DEGREE
AND CERTIFICATE
PROGRAMS



67%

IN-STATE PROFESSIONAL
PROGRAM STUDENTS



51%

MINORITY STUDENTS



57%

SHARE OF MARYLAND'S
PROFESSIONAL PRACTICE
DOCTORAL DEGREES
CONFERRED BY UMB



72% FEMALE / 28% MALE

16,800 JOBS
CREATED

\$142.2 MILLION STATE
AND LOCAL GOVERNMENT REVENUES

\$10 UMB'S RETURN ON
INVESTMENT FOR
EVERY \$1 OF STATE SUPPORT

\$1.67 BILLION TOTAL UMB
REVENUE

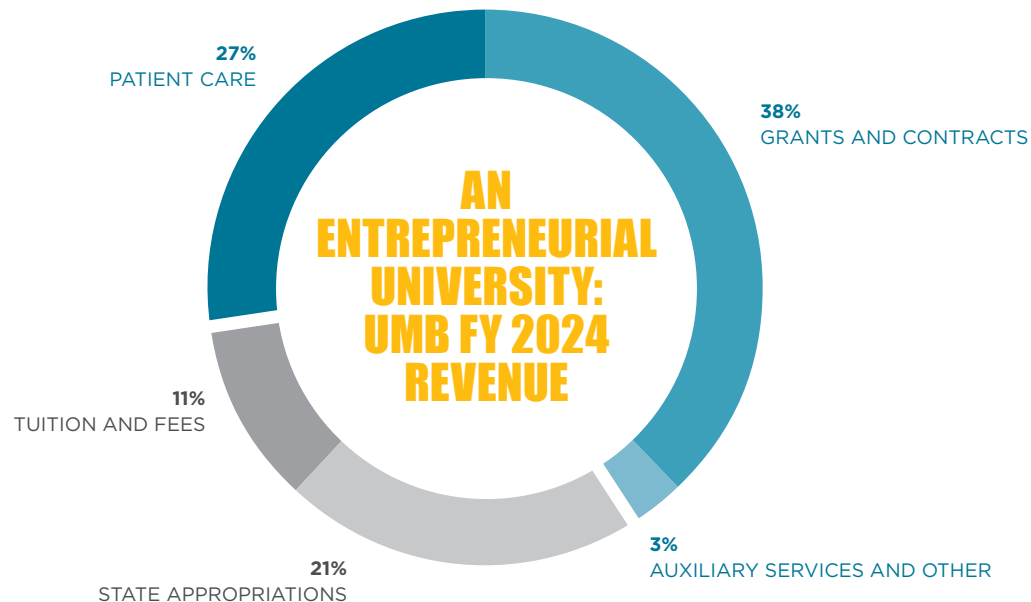
\$638.3 MILLION GRANTS AND
CONTRACTS

\$1.45 MILLION GRANTS AND CONTRACTS
PER CORE FACULTY MEMBER

68% SHARE OF REVENUE GENERATED
BY ENTREPRENEURIAL ACTIVITIES

\$8.6 BILLION TOTAL IMPACT ON MARYLAND'S ECONOMY

(Along with UMB's affiliated physician practices and the University of Maryland Medical Center)



UMB generates 68 percent of its revenue through entrepreneurial activities: grants and contracts, patient care, and auxiliary services.

In-state students comprise 74.4 percent of UMB's professional practice doctoral degree recipients. Many of our graduates are the state's front-line practitioners, tackling Maryland's greatest challenges in health, law, and human services.

PROFESSIONAL PROGRAM ENROLLMENT BY RESIDENCY

DEGREE PROGRAM	TOTAL ENROLLMENT	IN-STATE STUDENTS
Dentistry (DDS)	525	77.3%
Graduate Studies (DMSc)	8	62.5%
Law (JD)	644	50.8%
Medicine (MD)	599	82.6%
Nursing Practice (DNP)	585	86.2%
Pharmacy (PharmD)	342	73.1%
Physical Therapy (DPT)	209	85.6%
TOTAL	2,912	74.4%



PROFESSIONAL PRACTICE DOCTORAL DEGREE

74.4% IN-STATE
TOTAL ENROLLMENT:
2,912



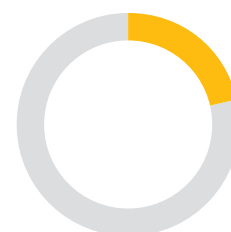
MASTER'S DEGREE

60.4% IN-STATE
TOTAL ENROLLMENT:
2,012



BACHELOR'S DEGREE

91.6% IN-STATE
TOTAL ENROLLMENT:
960



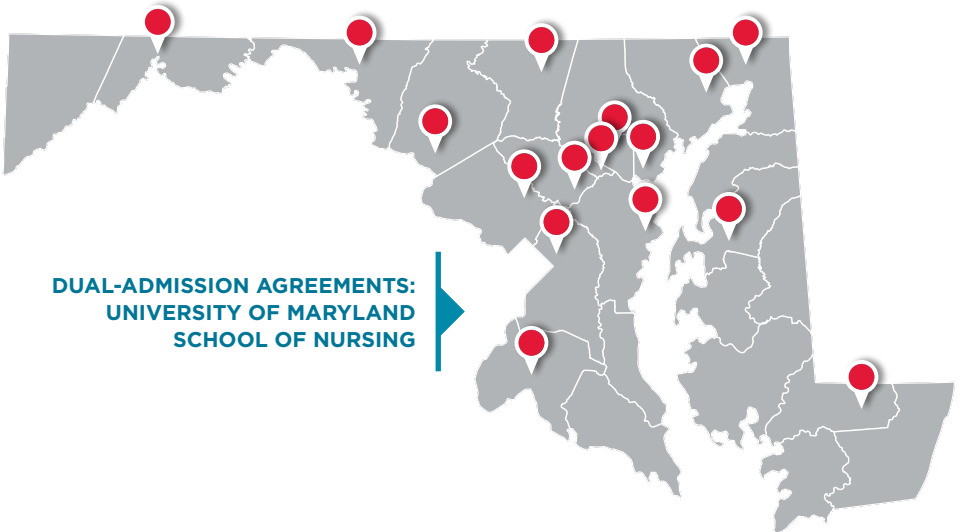
DOCTOR OF PHILOSOPHY

21.6% IN-STATE
TOTAL ENROLLMENT:
574

BOOSTING THE NURSING WORKFORCE

The University of Maryland School of Nursing (UMSON) has dual-admission agreements in place with every Maryland community college that offers an Associate Degree in Nursing, allowing students to transition seamlessly from their two-year program into UMSON's Bachelor of Science in Nursing program.

UMSON has operated the Governor's Wellmobile since its inception in 1994. The program recently added an additional vehicle and helped to distribute vaccines across the state.



DUAL-ADMISSION AGREEMENTS:
UNIVERSITY OF MARYLAND
SCHOOL OF NURSING

With the support of a \$5 million grant from the Maryland Community Health Resources Commission, UMSON's RICH 2.0 (Reducing Inequities in Cardiovascular and Mental Health Collaborative-Stronger Together) builds on the success of the West Baltimore RICH collaborative to reduce cardiovascular health disparities, improve health outcomes, improve access to primary care, and reduce health care costs. It also extends into three additional ZIP codes in West Baltimore and expands beyond social isolation to other aspects of mental health.

GROWING MARYLAND'S PRIMARY CARE WORKFORCE

Even before the COVID-19 pandemic, it was predicted that the United States would need as many advanced practice professionals in the workforce — e.g., nurse practitioners, physician assistants (PAs) — as we need physicians. Educating the next generation of advanced practice professionals has never been more important. To address the shortage in the workforce, UMB is increasing class sizes and leading innovative partnerships and workforce initiatives.

Launched in 2019, the Physician Assistant Leadership and Learning Academy (PALLA) supports the development of the PA faculty workforce across the state of Maryland. It works to develop a pipeline of diverse faculty who can prepare future generations of PAs to provide cutting-edge treatment and socially responsible care, advance clinical education to ensure future PAs are prepared with the technical and communication skills they will need in practice,

support programs in quality improvement and compliance so that the programs can produce the best outcomes and stay accredited, and amplify the scholarly voices of PAs so they can share their knowledge with the world.

Through a Health Resources and Services Administration grant, PALLA is working to increase the number of PAs in rural communities. PALLA has developed a regional PA training network to serve the Eastern Shore, Western Maryland, and Central Maryland. By partnering with local programs in these areas — including those in planning with the University of Maryland Eastern Shore, Frostburg State University, Towson University, and the Community College of Baltimore County — we'll do more than increase Maryland's PA workforce. We'll also retain these professionals in high-need regions, because students trained in their home communities are more likely to practice there.

Every year, UMB provides \$40 million in uncompensated care to citizens throughout Maryland.

DENTAL CARE

In Fiscal Year 2024, faculty and student clinicians at the University of Maryland School of Dentistry (UMSOD) provided reduced-fee oral health services, delivering care to more than 20,000 patients during over 75,000 visits. This included nearly 3,500 urgent care visits and over 1,700 oral surgery visits.

Care was provided across various facilities, including the dental suite at the Biomedical Sciences and Engineering Education Facility at the Universities at Shady Grove in Rockville, Md. This state-of-the-art facility, with 24 dental chairs and adjoining operator spaces, enabled UMSOD to offer comprehensive dentistry for adults and children, with treatment by postdoctoral dental residents, dental students, and dental hygiene students under faculty supervision. Nearly 1,000 patients received care at Shady Grove in FY24, and we aim to expand these services in the coming year.

Additionally, UMSOD's Oral Health for Underserved Uninsured Children Program provided essential oral health care to over 700 children last year.

MARYLAND POISON CENTER

The University of Maryland School of Pharmacy (UMSOP) experts at the Maryland Poison Center manage approximately 39,000 cases a year involving household products, medicines, snake and spider bites, plants, and chemicals in the home and workplace.

Every dollar spent on poison center services saves \$13.69 in health care costs. The Maryland Poison Center and the other 54 poison centers in the United States save \$1.8 billion in health care costs every year.

CENTER FOR RESTORATIVE CHANGE

The Center for Restorative Change, formerly known as the Social Work Community Outreach Service (SWCOS) and Promise Heights, is the community outreach arm of the University of Maryland School of Social Work. With the combined expertise and resources of SWCOS and Promise Heights, the center furthers the school's mission to advance social justice and promote the well-being of individuals and communities. In 2023, the center was awarded a \$5.5 million grant from the U.S. Department of Education for a Mental Health Service Professional Demonstration project.

GREENEBAUM CANCER CENTER

The University of Maryland Marlene and Stewart Greenebaum Comprehensive Cancer Center (UMGCCC) is nationally recognized for its excellence in patient care and multidisciplinary translational research program.

With only a small percentage of Marylanders at high risk for lung cancer getting the recommended annual screening, UMGCCC launched a new statewide effort to increase annual screenings.

The partnership also includes the University of Maryland Medical Center, where the cancer center is located, the University of Maryland School of Medicine, the University of Maryland Medical System, and UMB.

This public-private initiative, with up to \$8 million in funding from AstraZeneca over the next five years, aims to enhance community-based cancer screening and early detection, leading to earlier diagnosis and more treatment options for patients. The initiative aims to provide greater access to screening, particularly in underserved communities.

CENTER FOR VIOLENCE PREVENTION

UMB launched the Center for Violence Prevention (CVP) in September 2022. CVP aims to intervene, reduce, and respond to violence in the city of Baltimore, bringing together the expertise of the R Adams Cowley Shock Trauma Center at the University of Maryland Medical Center and the University of Maryland schools of medicine, social work, and law.

CVP seeks to bridge the activities of those across UMB and in the community in an interdisciplinary, collaborative fashion to conduct community-based participatory research, provide creative and impactful education, and inform and advocate for policies that strengthen communities to prevent violence and trauma.

ROAR CENTER

The Rebuild, Overcome, and Rise (ROAR) Center at UMB is a “one-stop-shop” in the city of Baltimore where victims of crime, whom we call survivors, can access wraparound services including legal, social work, nurse care management, and therapy. The center assists people of all ages, races, gender identities, and income levels.

The ROAR Center aims to co-create with survivors a community where people who experience crime or systemic injustice are empowered to achieve their own sense of justice, healing, and well-being. Administered by the University of Maryland Francis King Carey School of Law, the ROAR Center is a collaborative project established to build upon the vast expertise and deeply rooted community connections of UMB through collaboration with the six UMB professional schools — dentistry, law, medicine, nursing, pharmacy, and social work — and community-based organizations to provide expertise and services to the clients of the ROAR Center and broader Baltimore City communities.

Since ROAR’s inception in 2019 (initiating service in June that year), the center has assisted 1,202 survivors of crime in Baltimore. In 2024, ROAR served 290 clients, 238 of whom were first-time clients — 226 were Black, 251 were ages 18-59, 132 were survivors of violent crime (mostly non-fatal

shootings and homicides), and 35 were survivors of gender-based violence. The majority (225) received more than one service from ROAR’s array of services: legal, case management, nurse care management, individual therapy, and peer support groups.

LOW-INCOME TAXPAYER CLINIC

The University of Maryland Low-Income Taxpayer Clinic (LITC), operated within the Francis King Carey School of Law, provides free, independent legal representation to low-income taxpayers who are in disputes with the Internal Revenue Service. After the Maryland General Assembly passed Senate Bill 480 and House Bill 421 in 2021, LITC can now assist with state-specific tax issues as well. The program has worked on 66 cases with state-specific tax issues, bringing 22 of them to resolution so far. LITC has held 19 outreach events and attempted outreach via email, phone calls, and flyer distributions on 118 occasions to spread the word about its services. LITC serves clients across the state of Maryland.

EASTERN SHORE INITIATIVES

Rural Health Equity and Access Longitudinal Elective

With a commitment to addressing rural health disparities and the challenges faced by Maryland’s rural Eastern Shore residents, the University of Maryland School of Medicine has launched the Rural Health Equity and Access Longitudinal Elective (R-HEALE). The program is designed to train and place incoming medical students in Eastern Shore health care practices. It has received \$1.4 million in state funding to launch the effort with added funds provided by UMB, the University of Maryland Eastern Shore (UMES), the Rural Maryland Council, and philanthropic donors.

The program, in partnership with UMES, has accepted six current first-year medical students with an interest in rural health. Three students have been awarded full-tuition scholarships with a commitment to working on the Eastern Shore for four years after completing residency training. The students will have didactic and mentoring sessions in Baltimore, followed by research and clinical experiences on the Eastern Shore. The long-term goal is to ultimately support 10 new students interested in rural health in this elective program each year with 10 full in-state tuition scholarships.

Eastern Shore Mobile Care Collaborative at the Caroline County Health Department

The Eastern Shore Mobile Care Collaborative (ESMCC) at the Caroline County Health Department is a mobile treatment unit that aims to increase access to care by providing medication-assisted treatment for individuals with opioid use disorders in underserved rural communities in order to maximize access to lifesaving treatment and develop a model of care that can be adopted by other underserved rural areas with similar needs.

The ESMCC mobile treatment unit is equipped with medical supplies and telecommunication devices, and staffed by a nurse and peer recovery specialist. The mobile treatment unit is linked via encrypted, HIPAA-compliant videoconferencing technology to an addictions medicine specialist at the University of Maryland School of Medicine in Baltimore who will provide point-of-care diagnosis at the initial visit and monitoring during follow-up visits.

MARYLAND E-NOVATION: FUELING COMPETITIVE RESEARCH EDGE

In 2024, UMB was awarded \$2 million in matching funds from the Maryland E-Innovation Initiative Fund, which is administered by the Maryland Department of Commerce. The funds, totaling \$4 million when combined with UMB qualified funding, will enable the establishment of three endowed research professorships.

To continue the school's impact in xenotransplantation, the Department of Commerce has awarded \$750,000, matched by \$750,000 in qualified funding from UMB, to support the Bartley P. Griffith, MD Professorship in Surgery, Transplantation, and Innovation in the Department of Surgery. The funding will allow UMSOM to recruit an internationally recognized surgeon-scientist and innovator specializing in cardiothoracic surgery and heart and lung transplantation, with a focus on new applications toward clinical use and potential commercialization.

The Department of Commerce also provided \$500,000, matched by \$500,000 in qualified funding from UMB, to support the Brown Capital

Management, LLC Professorship in Sickle Cell Disease. This position will lead the University of Maryland Sickle Cell Disease Center, a multidisciplinary Center of Excellence to enhance and expand the treatment, education, and research programs for sickle cell disease (SCD) in a community with a high prevalence of the disease. The endowed professorship will be fully dedicated to improving care and finding a cure for SCD.

Finally, the Department of Commerce also provided \$750,000, matched by \$750,000 in qualified funding from UMB, to support the Mordecai P. Blaustein Faculty Scholar Professorship. This position will attract an innovative physician-scientist specializing in research of biological systems on cellular and molecular mechanisms with a strong emphasis on integrative membrane physiology. This will give the newly created Department of Pharmacology, Physiology, and Drug Development a competitive edge with a focus on commercialization of scientific discoveries.

Maryland Carey Law Launches Cannabis Legal Resource Center

The University of Maryland Francis King Carey School of Law and the Maryland Department of Health announced the creation of the Cannabis Legal Resource Center (CLRC) to help navigate complex public health issues surrounding the state's legalization of adult-use cannabis.

July 1, 2024, marked one year since Maryland became one of two dozen states to legalize recreational marijuana for adults over 21. The law change has highlighted a growing need for legal guidance to develop effective and equitable cannabis policies that will ensure product safety, educate users, and mitigate negative health impacts

Housed at Maryland Carey Law and led by cannabis law and policy expert Mathew Swinburne, JD, the resource center provides legal technical assistance to the Maryland state government as well as local governments, health departments, and community organizations. The work began in early spring 2024 when CLRC distributed a needs assessment survey to all 24 Maryland health departments to determine how cannabis is impacting their communities.

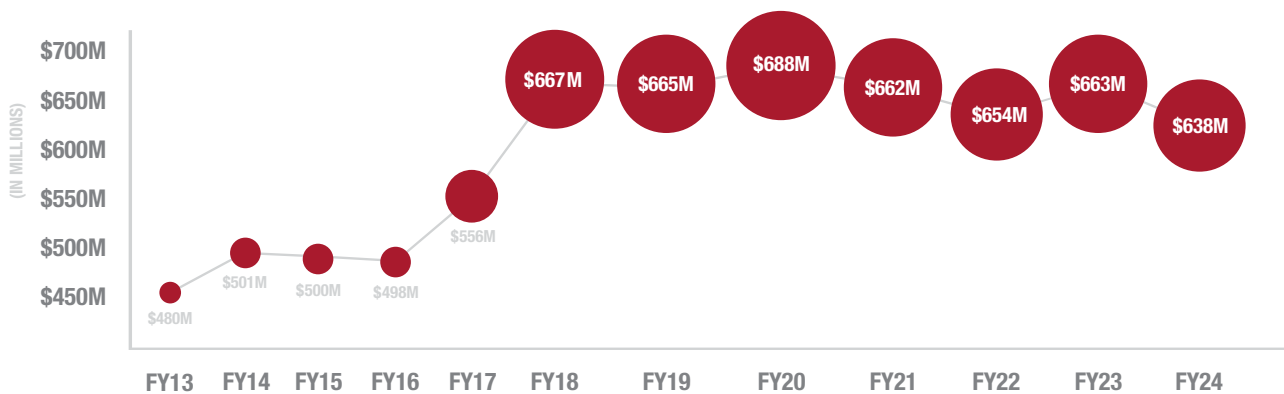
STRONG TREND OF GROWTH FOR EXTRAMURAL FUNDING

In Fiscal Year 2024, UMB was awarded \$638 million in grants and contracts — money that funds our research, training, and service activities.

RESEARCH ACTIVITY

33% INCREASE

SINCE FY13



MPower Professors

Twenty professors — 10 from UMB and 10 from the University of Maryland, College Park (UMCP) — have been named MPower Professors. This annual recognition is designed to accelerate the pace of research and impact on the lives of Marylanders. Each MPower Professor is awarded \$150,000 over three years to recognize, enable, and foster strong collaborations among faculty who work together on the most pressing issues of our time. The professors include leaders recognized for their significant collaborations in the fields of arts and humanities, behavioral and social sciences, computer science, dentistry, engineering, medicine, nursing, pharmacy, and public health.

UNIVERSITY OF MARYLAND INSTITUTE FOR HEALTH COMPUTING

UMB and UMCP, in partnership with the University of Maryland Medical System, Montgomery County, Md., and collaborators at the Universities at Shady Grove and the University of Maryland, Baltimore County, celebrated the second anniversary of the University of Maryland Institute for Health Computing (UM-IHC), which uses high-performance computing and artificial intelligence to benefit public health in ways unimaginable just a few years ago.

UM-IHC's 27,000-square-foot temporary workspace is located along the county's I-270 biotech corridor — a 15-mile stretch that includes more than 300 life science companies employing some 26,000 people. This past summer, county officials began seeking a developer to build a major transit-oriented life sciences center anchored by UM-IHC at the North Bethesda Metrorail Station.

UM-IHC's accomplishments to date include 10 industry partnerships formed, more than 150 scientific papers published, two scientific patents submitted, 26 grant applications submitted in just the last quarter, and one spinoff company launched. More than 70 faculty and staff members now call the North Bethesda headquarters home.

HERD SURVEY RANKING

The UMB/UMCP joint research enterprise ranked 18th overall and 11th among public institutions in the National Science Foundation's Higher Education Research and Development (HERD) survey, which is widely recognized as the preeminent national university ranking for higher education institutions engaged in sponsored research. UMB and UMCP are linked as one research enterprise in the survey and reported combined research expenditures in Fiscal Year 2023 of almost \$1.4 billion, a nearly \$157 million increase from the previous fiscal year. This ranking again positions the University of Maryland among an elite group of academic powerhouses conducting research at or above \$1 billion a year.

No. 11
UNIVERSITY OF
MARYLAND'S
RANKING AMONG
PUBLIC INSTITUTIONS
FOR RESEARCH
AND DEVELOPMENT
SPENDING IN
FISCAL YEAR 2023

\$1.4
billion
UMB/UMCP
COMBINED
RESEARCH
EXPENDITURES

In Fiscal Year 2024, UMB's technology transfer and commercialization engine — known as UM Ventures, Baltimore — accelerated the translation of research into market-ready technologies and therapies that improve health, wellness, safety, and productivity.

UMB'S COMMERCIALIZATION ENTERPRISE: FY24

31	30	7	2
NEW U.S. PATENTS AWARDED	NEW LICENSE AGREEMENTS	NEW STARTUPS	NEW PRODUCTS BASED ON UMB TECHNOLOGY

UMB LICENSING REVENUE

\$2.3 million

IN GROSS REVENUE (FROM LICENSING REVENUES, PATENT REIMBURSEMENTS, AND OTHER EXTERNAL FUNDS)



KaloCyte is a pre-clinical biotech company developing ErythroMer, a novel, bio-inspired artificial red blood cell substitute for use as a lifeline when blood is not available. Co-founded by Allan Doctor, MD, director of the University of Maryland School of Medicine's (UMSOM) Center for Blood Oxygen Transport and Hemostasis, KaloCyte works closely with UMSOM and is partnering with the school on a \$46 million Defense Advanced Research Projects Agency grant to develop a shelf-stable whole blood equivalent. ErythroMer is a core component of this potential product. KaloCyte has received investment from the UM Ventures, Baltimore fund and the University System of Maryland Momentum Fund.



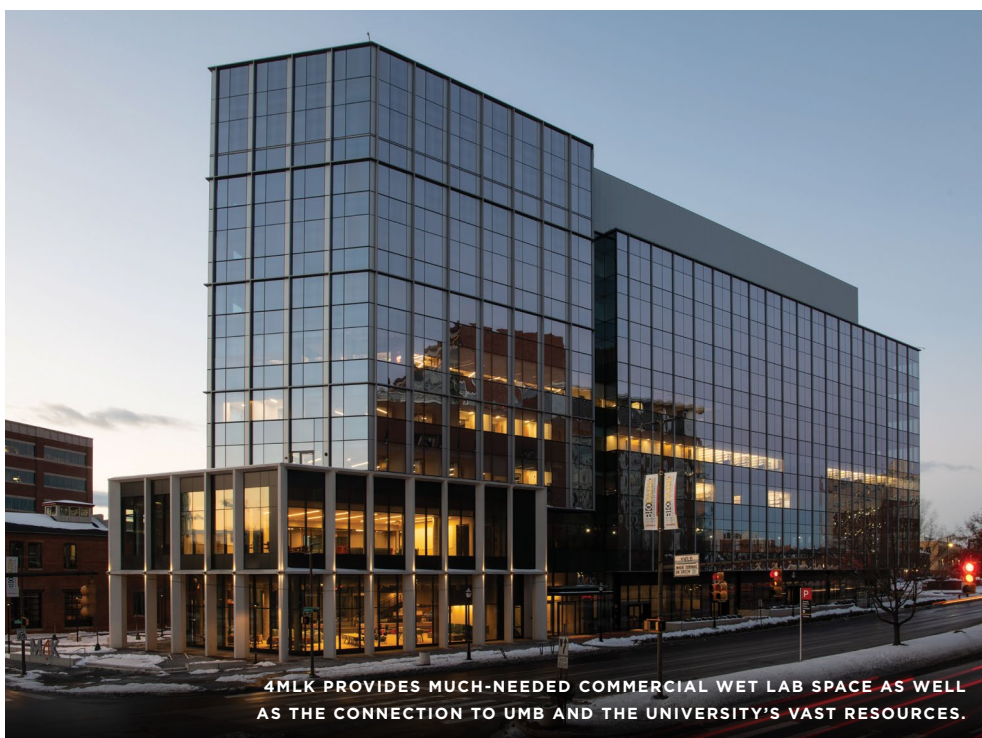
Protaryx Medical is a medical device company reimagining access to the left atrium for minimally invasive transcatheter cardiac procedures. After completing a successful first-in-human study, Protaryx is advancing toward 510(k) clearance submission, a critical step in the commercialization process. UM Ventures, Baltimore (UMVB) has invested in Protaryx. The technology behind Protaryx also has received support from the UMVB Life Sciences IP Fund, which provides direct support to commercially promising translational research projects at UMB.

UMB's 14-acre BioPark, Baltimore's biggest biotechnology cluster, fuels the commercialization of new drugs, treatments, and medical devices. The nearly three dozen tenants — including industry-leading global firms such as Pharmaron, Illumina, BD, and Catalent; next-gen ventures; university spinouts; distinguished research organizations; cutting-edge clinical care; and contemporary workforce training programs — employ more than 1,000 people.

As demand for a dynamic innovation district keeps growing, so does the BioPark. The newest development project, 4MLK, celebrated its grand opening in January 2025. The eight-story, 250,000-square-foot building will provide critical wet laboratory space for researchers and companies, flexible lab and office/support space for startups,

and Class A office space, along with areas for convening and a conference center.

At full buildout, the BioPark will consist of 12 buildings totaling 2 million square feet, parking garages, landscaped parks, and \$1 billion of capital investment.



4MLK PROVIDES MUCH-NEEDED COMMERCIAL WET LAB SPACE AS WELL AS THE CONNECTION TO UMB AND THE UNIVERSITY'S VAST RESOURCES.

The Center for Maryland Advanced Ventures provides tailored funding and education programs to strengthen the commercialization of high-potential discoveries within University System of Maryland (USM) institutions. Additionally, the center provides incentives and resources to encourage university-created or -sponsored technology companies to locate in the city of Baltimore.

MARYLAND MOMENTUM FUND

A \$16 million early-stage investment program investing in USM-affiliated companies, the Maryland Momentum Fund has invested \$11.7 million in 27 companies with \$125 million in matching funds from more than 230 co-investors. Five UMB-affiliated companies have received investment: NextStep Robotics, NeoProgen, Veralox Therapeutics, KaloCyte, and ARMR Systems.

BALTIMORE FUND

The Baltimore Fund encourages university-created or -sponsored technology companies to locate and expand in Baltimore. Since the fund's creation, awards have supported companies from seven Maryland public higher education institutions. In Fiscal Year 2023, the fund disbursed 12 grants with nine new awards, including five directly to startup companies. In addition, this fund provides subgrants to support early-stage entrepreneurial programming at the University of Baltimore, Coppin State University, and Morgan State University.

LIFE SCIENCES IP FUND

The Life Sciences IP Fund has assisted 34 early-stage technologies, including 19 device and 15 therapeutic technologies, in moving toward commercialization. Five UMB startups — Isoprene Pharmaceuticals, Protaryx, GEn1E Lifesciences, E-connect and RenuBioMed — have been formed as a result of the program.

Life Sciences IP Fund investments have led to an additional \$19.8 million in catalyzed (third-party) capital, an 18-to-1 return on investment.

Established in 2000, the Universities at Shady Grove (USG) offers select degree programs from nine public Maryland universities on one convenient campus in Montgomery County, Md. At USG, UMB offers a BS in Nursing, BS/MS Dual Degree Clinical Dental Hygiene Leader Track, MS in Medical Cannabis Science and Therapeutics, MS in Pharmaceutical Sciences, Master of Social Work, Doctor of Nursing Practice-Family Nurse Practitioner, and Post-Baccalaureate Certificate in Oral Health Science. There are 866 UMB students enrolled at USG.

DENTISTRY

The Clinical Dental Hygiene Leader Program (CDHL) is the only Master of Science (MS) degree in dental hygiene in the state. Through this two-year, dual-degree program, qualified college graduates can obtain both a second Bachelor of Science degree and an MS, producing dental hygienists who can assume key leadership roles in a variety of clinical, educational, public health, and health care settings. The Post-Baccalaureate Certificate in Oral Health Science is for non-dental health care professionals who want to build core oral health competencies to better respond to patients' needs and more holistically manage patient care.

The Biomedical Sciences and Engineering Education Facility at the USG campus is home to a state-of-the-art dental health facility. There, the University of Maryland School of Dentistry's (UMSOD) Shady Grove Health and Dental Services Facility offers quality dental care in an educational environment. At this community-based site, dental students

provide services under the close supervision of experienced UMSOD faculty dentists. The providers are leaders in their fields and collectively offer extensive knowledge in every facet of oral health care. Students conduct a thorough evaluation to diagnose each patient's needs and develop a comprehensive treatment plan before beginning treatment.

MEDICAL CANNABIS

With the increasing recognition of the therapeutic benefits of cannabis in treating various medical conditions, the University of Maryland School of Social Work, in collaboration with the School of Pharmacy, announced a dual graduate program, the only one in the country, MSW and Medical Cannabis Science and Therapeutics Post-Baccalaureate Certificate. This initiative aims to meet the escalating demand for professionals equipped with the knowledge and skills to navigate the complex landscape of medical cannabis therapy.

As of 2024, 38 states have legalized cannabis for medical use, reflecting a significant shift in attitudes toward the therapeutic potential of cannabis in the U.S. This trend underscores the urgent need for health care professionals trained in the responsible and effective implementation of medical cannabis therapy. The Graduate Certificate in Medical Cannabis Science, Therapeutics, and Policy equips students with a comprehensive understanding of cannabis pharmacology, clinical applications, historical context, and legislative frameworks. By providing a solid foundation in these areas, the program empowers graduates to navigate the complexities of medical cannabis therapy, ensuring safe, evidence-based, and ethically informed care for patients.

The program provides students with the knowledge and skills needed to support patients and the medical cannabis industry, add to existing research in the field, and develop well-informed medical cannabis policy. Based at USG, the two-year program is designed for any individual who has completed an undergraduate degree and is interested in pursuing a career in the medical cannabis industry.

NURSING

The University of Maryland School of Nursing (UMSON) established a Bachelor of Science in Nursing (BSN) program at USG when it opened in 2000. Since then, the school's educational offerings have expanded greatly including a Registered Nurse-to-BSN degree and the Doctor of Nursing Practice Program's Family Nurse Practitioner specialty.

As an outgrowth of the enrollment increase at USG, the school renovated a building dedicated solely to UMSON at USG. The renovation allowed for the significant expansion of the simulation labs and the creation of student success and administrative suites.

INSTITUTE FOR BIOSCIENCE AND BIOTECHNOLOGY RESEARCH

The Institute for Bioscience and Biotechnology Research (IBBR) is a partnership among UMB; the University of Maryland, College Park; and the National Institute of Standards and Technology. IBBR leverages state-of-art integrative methods for the bioanalytical, biophysical, and structural characterization and biomanufacturing of pharmaceuticals to support the accelerated delivery of safe and effective medicines to the public.

IBBR contributes to the state of Maryland by being an international leader in the use of state-of-the-art analytical and structural biology instrumentation including cryogenic electron microscopy, together with high-end computation, to accelerate the discovery, development, and manufacturing of therapeutics, modern medicines, and vaccines for patients in Maryland and throughout the country and the world.

This includes an enhanced effort toward team-based research to combat COVID-19, accelerate how we address future pandemics, and help direct how we use state-of-the-art science in the discovery and production of medicines for treating infectious disease, cancer, memory disorders, and many other diseases that negatively impact human health.

IBBR also contributes to developing standards and regulatory processes to more quickly deliver therapeutics and vaccines, a service that is needed by our industry partners in the I-270 corridor and throughout the state of Maryland.

UMB CURE SCHOLARS

UMB CURE Scholars Program is a long-term, intensive mentoring program designed to excite West Baltimore middle and high school students about science, technology, engineering, and math (STEM) and prepare them for rewarding careers in research and health care.

UMB CURE Scholars began as a groundbreaking STEM mentoring program in a partnership with the National Cancer Institute. It was the first program of its kind to begin academic enrichment for students

as young as sixth grade. The program creates a mentorship pipeline that follows the students from middle school through high school to ensure that they have the resources to pursue lucrative careers in STEM, health care, and cancer research, with the end goal of increasing the number of STEM and health care professionals from underrepresented populations and reducing racial health disparities.





LIVE NEAR YOUR WORK

UMB's Live Near Your Work (LNYW) Program is a homebuying assistance benefit for University employees that offers money toward the down payment and closing costs of homes in select West Baltimore neighborhoods, including the purchase of a home requiring major renovations.

UMB contributes \$16,000 per eligible participant. In addition, participants will be eligible to receive a matching grant of up to \$2,500 from the Baltimore City LNYW Program. In seven years, the UMB LNYW Program has surpassed the \$1.2 million mark in grants, helping nearly 80 University employees purchase homes in West Baltimore neighborhoods. In 2024, the program added Harlem Park as the latest qualifying neighborhood for homeownership. The neighborhoods are Barre Circle, Druid Heights, Franklin Square, Harlem Park, Heritage Crossing, Hollins Market, Mount Clare, Pigtown/Washington Village, Poppleton, Upton, and Union Square.

COMMUNITY AND CIVIC ENGAGEMENT

In 2024, UMB celebrated the 10-year anniversary of the Office of Community and Civic Engagement (OCCE). Ten years ago, the University recognized the need to coordinate and focus dozens of outreach and service programs so the anchor institution could have a more significant impact on and commitment to its surrounding community in West Baltimore. Focusing on communities that border the UMB campus, OCCE develops and nurtures Universitywide partnerships with external stakeholders, including

K-12 public schools, community organizations, nonprofits, and local businesses, that demonstrate a deep commitment to strengthening West Baltimore in. The Community Engagement Center (CEC) is where UMB works hand in hand with neighbors to support them in achieving their career goals and give children a safe place to learn and play. With this renovated space, the center is even better equipped to partner with the community to reach the common goals of health and well-being.

The CEC offers a range of free opportunities for community members, students, and staff including fitness classes, movie nights, art classes, a makerspace, and Workforce Wednesdays, where job seekers can get help finding a job or job training. The CEC also offers important services like the Health Suite, the JustAdvice Project Legal Clinic, and the CASH Campaign of Maryland, all geared toward helping members of the community.

POLICE ATHLETIC/ACTIVITIES LEAGUE

Now in its eighth year, the UMB Police Athletic/Activities League (PAL) program for children in West Baltimore is one of just two PAL programs in the United States offered at a university. PAL fosters positive relationships between law enforcement and community youth in grades 3 to 8 through recreational, educational, and mentoring programs. UMB police officers, security officers, dispatchers, and administrative personnel volunteer to mentor neighborhood youth after school, which includes a hot meal at each session. In 2024, PAL hosted 24 in-person sessions, with 49 students attending PAL events.

A MODEL FOR SUSTAINABILITY IN OUR COMMUNITY

The University of Maryland School of Social Work (UMSSW) building under construction on West Lexington Street is scheduled to be the first net-zero emissions building in downtown Baltimore and within the University System of Maryland. The 127,000-square-foot building will lead a new wave of activity and construction over the next several years on the UMB campus' northern edge, where the University plans to work with private developers to convert spaces into housing, stores, and research space.

The UMSSW facility is designed to enhance collaboration among students and faculty and serve as a bridge between UMB and the surrounding community. It will feature cutting-edge classrooms, research spaces, a coffee lounge, bike lockers, showers, and communal gathering areas, all within a framework that prioritizes equity, accessibility, and sustainability.

With the building's sustainable design, UMB aspires to achieve Leadership in Energy and Environmental Design (LEED) Platinum certification — the highest level awarded by the U.S. Green Building Council. The project also is tracking to earn LEED Net Zero Energy certification through its innovative use of geothermal exchange wells, on-site solar panels, and a usable outdoor roof garden. The building is configured to use 65 percent less energy than a traditional building of its size and zero operational fossil fuels.



UMB is committed to Baltimore, especially our West Baltimore neighborhood, and we are proud to be an anchor institution in the city. We are committed to our community's well-being and seek to be a trusted partner. In addition to many of the programs outlined above such as CURE Scholars, the School of Dentistry's Oral Health for Underserved Uninsured Children program, and the Community Engagement Center, here are a few other programs that provide support to our city.

POSITIVE SCHOOLS CENTER

The Positive Schools Center (PSC) creates positive, supportive, and mindful learning communities where students and school staff connect, develop, and grow. We partner with schools and districts to address punitive discipline and dysfunctional school climates. PSC currently supports 25 Baltimore City Public Schools (BCPS) and is the lead agency for 11 community schools. PSC has provided regular training and coaching for 1,396 teachers and staff responsible for educating more than 9,000 students, or about 12 percent of all BCPS students. In the 2023-2024 school year, there was an overall reduction in suspensions and a 5 percent increase in student attendance.

SCHOOL MENTAL HEALTH PROGRAM

The University of Maryland School of Medicine's School Mental Health Program (SMHP) team serves 20 schools in Baltimore. SMHP aims to positively impact schools by building their capacity to support social emotional wellness. Main methods include strengthening the school climate and teachers'/administrators' abilities to serve students with mental health concerns, as well as offering effective prevention, early intervention, and treatment services to students and families.

The program has conducted 6,722 teacher consultations, 607 school team meetings, and 1,840 other prevention activities. For treatment, there have been 8,915 fee-for-service clinical sessions. The team has seen reductions in depression symptomatology in student reports, reductions in reported attention-deficit/hyperactivity disorder symptoms based on teacher and parent reports, and reductions in student and parent reports of student emotional and behavioral problems.

FAMILY CONNECTIONS BALTIMORE

Family Connections Baltimore (FCB), a program of the University of Maryland School of Social Work's Ruth H. Young Center for Families and Children, develops, implements, and tests community-based family strengthening services that empower vulnerable families to achieve safety, well-being, and stability.

COMMUNITY OUTREACH AND SUPPORT TEAM

Formed in 2018, the Community Outreach and Support Team (COAST) builds positive relationships between UMB Police and Public Safety and the communities it serves in West Baltimore. COAST has become a nationwide model for outreach and crisis intervention efforts. UMB Police and Public Safety's community policing initiatives have won several prestigious awards, including the International Association of Chiefs of Police/Walmart Leadership in Community Policing Award (2021), Maryland Chiefs of Police Association's Exceptional Police Performance by a Unit/Team/Collaboration Award (2020), and Governor's Award for Outstanding Proactive Crime Prevention Programs in Maryland (2022 and 2019). COAST services include Law Enforcement Assisted Diversion, Crime Prevention Through Environmental Design, Police Athletic/Activities League, homeless outreach, comfort K9, and the Community Engagement Academy. In 2024, COAST engaged over 250 unsheltered individuals, provided 112 service provider referrals, conducted welfare checks, and trained officers in homeless outreach and mental health crisis intervention.

MINI-MED SCHOOL

Offered as a community health public service, Mini-Med School is a tuition-free interactive lecture series provided annually by University of Maryland School of Medicine (UMSOM) faculty, with the goal of educating the local community about health and disease and ultimately improving the well-being of our residents. The lectures are designed to be casual, fun, and informative while focusing on health care issues that are important to everyone.

Since the program's inception, there have been 8,237 adult and 425 child participants from the local community. In a 2023 survey, 98 percent of the participants said they would attend in the future and would recommend it to a friend or family member, and 93 percent said they learned lifestyle changes to improve their health or had acquired new information in a medical subject matter.

THE JACQUES INITIATIVE

The JACQUES Initiative is a program of UMSOM's Institute of Human Virology offering HIV and Hepatitis C testing, prevention, education, linkage to care, and supportive services. The JACQUES Initiative partners with the clinical THRIVE Program, which provides treatment for HIV and other infectious diseases, as well as pre-exposure prophylaxis and post-exposure prophylaxis prevention services.

The JACQUES Initiative collaborates with Morgan State University, Baltimore City Community College, BD Health, the University of Baltimore, the Black Nurse Association of Baltimore, Paul's Place, the UMB Community Engagement Center, and the YMCA (Druid Hill and Stadium Place).

The President should comment on what actions will be taken to cover the reduction in state funding.

The University of Maryland, Baltimore (UMB) has and will continue to take a holistic approach when addressing budget reductions and the programmatic needs at the University. Our goal is to protect our mission and priorities. Reductions in any of these areas impact our ability to achieve our mission to improve the human condition and serve the public good of Maryland. All of these areas will affect the student experience. Recruitment and retention of UMB's world-class faculty and researchers will be impaired. Our building infrastructure will continue to deteriorate. Our staff will have fewer tools to be effective in their roles. The following reductions are our preliminary plans, and we will make final decisions when the full fiscal picture is clear for Fiscal Year 2026.

- **Personnel reductions:** Personnel costs are 73 percent of UMB's state budget. To save \$9 million, UMB will reduce full-time and part-time positions, affecting tenure-track faculty, regular staff, and contingent contractual staff. About 66 percent of savings will come from eliminating vacant positions, with the rest impacting about 29 filled positions. This might affect student experience and class sizes.
- **Facility renewal funding:** UMB will reduce facility renewal funding by \$2.6 million. Many campus buildings are over 25 years old and deteriorating, with a renewal backlog of over \$840 million. This reduction will hinder progress in maintaining and renewing facilities, impacting UMB's teaching and research missions.
- **Operational savings:** UMB plans to reduce facility service contracts and maintenance by \$3.2 million, increasing operational and financial risks. An additional \$2.5 million in savings will be sought through efficiencies and further cost-cutting in services, supplies, and travel.

UMB remains committed to student success and minimizing the impact on academic quality despite these challenges.



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