



UMass Chan
MEDICAL SCHOOL

**Chair, Department of Neurobiology
UMass Chan Medical School
Worcester, MA**

THE SEARCH

UMass Chan Medical School seeks a collaborative, visionary, and distinguished scientist-leader and scholar to serve as the next Chair of the Department of Neurobiology. The Chair of Neurobiology reports to Terence Flotte, MD, Dean, Provost, Executive Deputy Chancellor and Chief Research Officer.

Founded in 2001, the Department of Neurobiology at UMass Chan has evolved into a unique and integrated hub of investigators addressing fundamental problems in neurobiology, from single molecules to behavior, using both invertebrate and vertebrate model organisms. Combining cell biological, physiological and behavioral analyses with a critical interventionist angle afforded by cutting-edge genetic approaches, the Department aims to understand the complexity of brain development, function, addiction, repair and degeneration.

The Department of Neurobiology operates as a fully functioning, independent Department with 16 tenured or tenure-track faculty and 5 associated faculty. The Chair will be expected to maintain and expand research areas, garner support internally and externally to enhance resources, promote research partnerships within UMass Chan's neighboring therapeutics institutes and clinical partners, and externally, continue to recruit and retain outstanding scholars, and champion the pioneering work of the Department locally, nationally, and internationally.

The Department is focused on recruiting and supporting students, postdocs, staff, and faculty from historically underrepresented backgrounds, and participating in a variety of on-going UMass Chan campus efforts (<https://www.umassmed.edu/diversity-in-action/>). The Department seeks a Chair that aligns with these goals and will provide strong leadership in the Department and the UMass Chan campus for these efforts.

UMass Chan Medical School has retained Isaacson, Miller, a national executive search firm, to assist in this search. Inquiries, nominations, referrals, and resumes with cover letters should be sent in confidence as noted at the end of this document.

THE UNIVERSITY OF MASSACHUSETTS CHAN MEDICAL SCHOOL

Founded in 1962, the University of Massachusetts Chan Medical School is the Commonwealth's only public medical school. It is perennially ranked in U.S. News & World Report as one of the nation's best in primary care training, providing high-quality, affordable medical education to state residents, with a focus

on increasing the number of primary care physicians practicing in underserved areas of Massachusetts. Its mission is to advance the health and well-being of the people of the Commonwealth and the world through pioneering developments in education, research, and healthcare delivery. The institution is committed to enhancing health and science education, ensuring community health, building a diverse workforce, and enriching lives through extensive community outreach.

Following a \$175 million donation from The Morningside Foundation in 2021, UMass Medical School became the UMass Chan Medical School. The transformative gift, which is unrestricted, allows the Medical School to recruit renowned and innovative faculty, conduct more breakthrough biomedical research, offer financial support to highly qualified and diverse students; and be ever more expansive in fulfilling its public service mission.

In addition to its distinction in medical education, the past decade has seen UMass Chan expand its presence on the national scene as a major center for research. In 2020, the institution ranked in the top 10 of public medical schools for funding awarded by the National Institutes of Health (NIH). UMass Chan is home to four Howard Hughes Medical Investigators, a Lasker Award and Breakthrough Prize recipient, members of the National Academy of Sciences and the Academy of Medicine, and, in 2006, Professor Craig C. Mello, PhD, was a co-recipient of the Nobel Prize in Physiology or Medicine for his role in discoveries related to RNA interference. UMass Chan's diverse research portfolio anchors the University's impressive growth in research and development over the last decade and consistently positions the University of Massachusetts as a national leader in licensing revenue.

Federal and private research grants and contracts at UMass Chan have risen from about \$2 million in 1977 to approximately \$421 million today, making it one of the fastest-growing research institutions in the United States. Over the last two decades, UMass Chan has drawn international acclaim as a research institution with a significant and dynamic capability in translational medicine, as recognized by its receipt of the prestigious NIH-funded Clinical and Translational Sciences Award (CTSA). With the opening of the 512,000-square-foot Albert Sherman Center in 2013, the construction of which was supported by the Massachusetts Life Sciences Initiative, UMass Chan launched a new era in research and development that aims to change the course of the history of disease. A new 350,000-square-foot biomedical education and research building is currently under construction with estimated completion in late 2023/early 2024. This building will allow for the co-location of the Horae Gene Therapy Center, the Departments of Neurology and Neurobiology, the Program in Molecular Medicine, and the new Program in Human Genetics & Evolutionary Biology, providing the opportunity for accelerated research into new therapeutics for some of the most challenging diseases that humans face.

The three UMass Chan graduate schools are the T.H. Chan School of Medicine, the Morningside Graduate School of Biomedical Sciences and the Tan Chingfen Graduate School of Nursing. In total, there are more than 3,000 faculty and 1,200 students at UMass Chan. The growth of the medical school, the intellectual climate, and the collaborative culture has consistently allowed UMass Chan to attract the best and the brightest to the faculty at all levels. Unique among all medical schools, UMass Chan is also home to Commonwealth Medicine, a healthcare consulting division that partners with Massachusetts and other states and countries in delivering health services to vulnerable populations, and MassBiologics, the only publicly owned, non-profit, FDA-licensed manufacturer of vaccines and other biologic products in the United States.

In 2016, UMass Chan opened its first regional campus at Baystate Health in Western Massachusetts. The medical student education at UMass Chan-Baystate takes the form of a primary care track, known as the Population-based Urban and Rural Community Health (PURCH) Track.

Additional information about UMass Chan can be found in Appendix I at the end of this document.

THE DEPARTMENT OF NEUROBIOLOGY

The overarching vision of the Department of Neurobiology is to become a focus of excellence in the clarification of fundamental molecular, cellular, and genetic principles of nervous system function. The Department has five integral missions: (1) to conduct high level, rigorous and impactful research leading to significant progress in understanding the functioning of the nervous system; (2) to provide the highest-quality interdisciplinary training to graduate and medical students, as well as postdoctoral fellows, so they can successfully contribute to the next generation of neuroscientists, science mentors and biomedical field professionals. Importantly, the Department of Neurobiology serves as a unifying center for interactions between neuroscientists throughout the UMass Chan campus through the NeuroNexus Institute. (3) To increase diversity in science, with the full understanding of the superiority of multifaceted thought and strategies to solve scientific problems and to serve as outstanding role models to attract talent from diverse populations; (4) to interlace the basic science, translational and clinical UMass Chan mission by creating spaces enabling productive interactions between basic scientists, translational researchers and clinicians, which, by maintaining their unique identities and perspectives, exploit the power of diverse strategies to design effective approaches to treat disease; (5) to disseminate neuroscience knowledge in the community, by organizing activities in youth organizations and generating platforms accessible to the community at large to inform the public about the importance of basic neuroscience in improving the human condition. With these five missions, the Department of Neurobiology is in strong alignment with UMass Chan's overall mission of advancing the health and well-being of the people of the Commonwealth of Massachusetts through education and pioneering research.

The research activity of the Department of Neurobiology is centered on the common goal of understanding how the nervous system functions. The 17 core labs at the center of the Neurobiology Department share the conviction that genetics is a critical approach to discover the basic mechanisms underlying the function of neural circuits, from sensory systems to integrative and processing centers, and ultimately to the control of healthy and pathological behaviors.

The faculty members of Neurobiology also share a profound dedication to the training of students and postdoctoral fellows, particularly those that intend to join the Neuroscience scientific community, but also informing the multitude of career pathways, from teaching to involvement in biotech, that are available to trainees. The faculty transmit their passion for research to their trainees and encourage them to conduct innovative research of the highest rigor and quality. Neurobiology faculty members participate in a great number of student advisory committees, which foster further interactions and collaborations. Particularly important is the weekly platform featuring research presentations from graduate students and postdoctoral fellows, which encourage critical thinking, rigor, and how to communicate the significance and the vision for future directions. The faculty also play key roles in class teaching throughout the school, and create and participate in exciting, advanced courses for graduate students.

The Department consists of 16 core faculty members that are either on the tenure track or tenured. In addition, there are 5 faculty members that hold positions as Assistant Professors or instructors not on the tenure track. 43% of faculty members in the Department are women. However, only 14% of core faculty members belong to an under-represented ethnicity group in science (using NIH criterium), without taking gender into account. As the Department looks to the future, a major objective will be increasing the diversity of ethnicity and race in its faculty.

The Department plays the fundamental role of nucleating interactions between neuroscientists across the UMass Chan campus through collaborations and events such a seminar series and discussion forums. They also collaborate with and invite UMass scientists with a wide range of expertise to participate in a seminar series, recognizing the crucial importance of multi-disciplinary approaches to move forward science. The

Department is therefore highly integrated within the web of scientific interactions that makes UMass Chan such a unique institution for the progress of basic and biomedical research.

In FY 2021, the Department received over \$6 million in NIH research funding and over \$1 million in non-NIH funds. In 2020, the Department ranked 31 out of 50 academic neuroscience Departments nationwide by the Blue Ridge Institute of Medicine. In addition to making ground-breaking advances in research, the Department is distinguished for the diversity of research disciplines represented in its faculty.

In October 2017, UMass alumni Dan and Diane M. Casey Riccio, PhD, donated \$2 million to support neuroscience research at UMass Chan, with \$1 million to establish the Riccio Fund for Neuroscience, and an additional \$1 million to support the UMass ALS Cellucci fund. These generous donations are in addition to \$1 million given in 2013 to support ALS research at UMass Chan Medical School and ongoing support for graduate student travel fellowships administered through the Morningside Graduate School of Biomedical Sciences. The Dan and Diane Riccio Fund for Neuroscience is intended to catalyze interdisciplinary collaborations, leading to innovative discoveries that deepen our understanding of brain function and the processes that go awry in neurological diseases. In February 2022, the Riccio's pledged an additional \$15 million to UMass Chan Medical School to further expedite and support advances in neuroscience research. The gift includes \$10 million for what will be named the Riccio ALS Accelerator Initiative and \$5 million to expand and endow the Riccio Fund for Neuroscience, providing seed money for research collaborations.

Research and education

In basic science research, the UMass Chan strategic plan (see Appendix II) focuses on building expertise in human genetics, supporting the engine of discovery, promoting transdisciplinary and team science, and investing in emerging opportunities. The goals of the previous UMass Chan strategic plan (2015-2020) focused on Neuroscience, Cancer Biology, and Neuroinflammation. The Department of Neurobiology is well aligned with these aims. Investigators in the Department conduct state of the art studies in many neuroscience topics. In addition, the Department's focus on genetic mechanisms underlying brain function and malfunction is likely to foster a strong partnership with the Human Genetics group, under development. An important area of interdepartmental interactions and collaborations is exemplified in the Neuroinflammation journal club, which brings together members of the Program in Immunity and Neuroscientists to brainstorm on the now many brain disorders associated with inflammation, such as Alzheimer's disease. Neurobiology faculty members are well funded, and many are leaders in their field with national and international recognition. Over the past 6 years, the Department of Neurobiology has contributed to the promotion of transdisciplinary and team science, by co-organizing the NeuroNexus Institute (NNI), bringing together faculty members from 13 Departments. This program has proven to be quite successful, leading to many fruitful cross-Departmental collaborations.

With interdisciplinary research at the heart of both UMass Chan and the Department of Neurobiology, the NeuroNexus Institute at UMass Chan Medical School plays an important role in facilitating the collaborations of scientists. The Institute seeks to catalyze interactions between basic scientists and translational or clinician scientists, forming interdisciplinary teams that tackle innovative projects, achieve breakthroughs in basic neuroscience knowledge, and accelerate development and implementation of innovative therapies to treat neurological conditions. The NeuroNexus Institute supports the integration of research groups focused on common areas of strength at UMass Chan, including brain function and plasticity, neurogenetics, neurodegenerative disorders, traumatic brain injury, addiction, and psychiatric disorders, such as schizophrenia and autism, to enhance research depth, improve the ability to design effective therapies, and ultimately improve patient outcomes. Institute faculty have primary appointments in other departments, including clinical and basic science departments. Institute faculty also teach, supervise, and mentor the next generation of academic, industry and science policy leaders, medical

practitioners, educators, and science writers. Scientists within the NeuroNexus Institute community also reach out to increase public awareness of nervous system function and diseases, of fact-based scientific investigation, and to reduce the stigma of neurological and psychiatric disorders. The Chair of the Department of Neurobiology will be tasked with further supporting and leveraging connections to researchers and clinicians within the Institute to encourage continued internal collaboration as well as outreach.

The Department also encompasses the Brudnick Neuropsychiatric Research Institute (BNRI) which is dedicated to the comprehensive study of the brain and behavior. Opened in 2000, the Institute provides scientists with state-of-the-art laboratories for investigating the nature and causes of mental illnesses with the ultimate goal of identifying novel therapeutic strategies for neuropsychiatric illnesses including anxiety disorders, depression and addiction. Thus, the BNRI contributes to the Department mission with exceptional opportunities for innovative, multi-disciplinary programs, and research activities. Extensive collaborations with faculty in other Departments and schools support innovative multi-disciplinary projects.

In education, the UMass Chan strategic plan focuses on designing innovative educational programming, facilitating interprofessional learning opportunities, responding to workforce needs, demands, and trends, nurturing a diverse and inclusive learning environment, investing in next generation pedagogy and educators, and prioritizing educator and learner wellness. The Department of Neurobiology, in addition to mentoring trainees in their laboratories, invests highly significant efforts in the planning and execution of the blueprint for graduate student education in the Morningside Graduate School of Biomedical Sciences umbrella program through hosting and supporting the graduate Program in Neuroscience. In recent years, the Department has embraced the different career pathways that are available to students and postdocs, transitioning from an almost exclusive focus in academia, to a more inclusive focus that tailors to the needs of our current learners and the state of our society. These include career pathways in teaching, policy, law, scientific writing and work in biomedical industry.

Additional information about the UMass Chan strategic plan, Impact 2025, can be found in Appendix II at the end of this document.

ROLE OF THE CHAIR OF THE DEPARTMENT OF NEUROBIOLOGY

The Chair of the Department of Neurobiology reports to the dean of UMass Chan, Dr. Terry Flotte. The Chair will collaborate closely with leaders of the different divisions and Departments at UMass Chan, including clinical, research and educational. The Chair will oversee the current complement of 16 tenured or tenure-track faculty, 5 non-tenure track faculty, 53 staff and the Department's educational, research, and operational efforts. The Department receives over \$7 million annually in grant funding and has a base budget of over \$2 million, both of which the Chair is responsible for overseeing. The Chair will collaborate closely with leaders of the different divisions and Departments at the School of Medicine as well as with the leaders of UMass broadly. He/she will spearhead interdisciplinary teams and lead cutting-edge projects.

The Chair will be an exceptional scientist with the intellectual vision to develop and expand research within the Department. The successful Chair will possess significant leadership skills, be an advocate, and demonstrate the exemplary interpersonal skills needed to facilitate greater engagement, connectivity, and diversity within the Department. The Chair will provide effective management to leverage current strengths and to build relationships across the university to solidify the Department as a catalytic and synergistic force at UMass Chan. The incumbent will continue to foster the positive culture of collaboration, partnership, and support that is crucial to UMass Chan and the Department.

KEY OPPORTUNITIES AND CHALLENGES FOR THE CHAIR

Create a distinctive vision for the Department of Neurobiology

The next Chair will assess the current state of the Department to continue its growth towards making transformative advances in the field of Neurobiology. The Chair must formulate priorities and a targeted plan to leverage existing areas of strength in the Department and to pursue new and emergent areas of neurobiology that have high potential for major impact. Maintaining diversity of research within the department and continuing to bridge the vast array of subfields will be important in further cementing the department's national reputation as a leader in the field. The chair must bring intellectual curiosity and be an inspirational leader for the department.

Increase partnerships to sustain and increase Departmental resources

The Chair will partner with the dean and other UMass Chan Departmental leaders to engage clinical partners and industry investigators to sustain and increase Departmental resources and diversify funding sources. The incoming Chair must be astute when it comes to financial management as well as revenue generation and be an active advocate for the department. The Chair will be called upon to speak and engage as an expert in the field and across campus and must be capable of conveying how the Department, the Chan School of Medicine, and its partners can contribute to addressing important issues and new areas of inquiry.

Champion collaboration across the UMass Chan

UMass Chan is first and foremost characterized by the collaborative spirit of the faculty and developing cross-school partnerships. As such, faculty in the Department of Neurobiology engage in meaningful collaboration, allowing for integration across the various research areas that define basic neuroscience. In addition to a rich, basic neurobiology research portfolio, UMass Chan has strong research in the Department of Neurology, the Horae Gene Therapy Center and multiple other programs that include a neuroscience focus. UMass Chan is committed to fostering interdisciplinary partnerships between clinical faculty and basic scientists, and the Chair will be charged to spark innovative, cross-disciplinary research efforts.

Recruit, support, and develop diverse faculty

The Chair will be responsible for nurturing the next generation of faculty by working closely with UMass Chan leadership on strategic recruitments, identifying areas where faculty appointments could bolster current weaknesses, and capturing future opportunities. The Chair must have excellent judgement in science and be adept at attracting, recruiting, and retaining those at the cutting edge of discovery. The Chair will also be responsible for providing and encouraging mentorship among faculty members, students, post-doctoral researchers, and fellows. The Chair will hold Department members accountable for excellence in education, environment, and research, and will work to inspire, develop, and guide faculty.

The Chair will be committed to promoting the value of diversity within the Chan School of Medicine and the individual Department. While diversity can be increased in all facets, the need is most notable within the faculty. UMass Chan and the Department of Neurobiology are focused on recruiting and supporting students, postdocs, staff, and faculty from historically underrepresented backgrounds, and participating in a variety of on-going campus efforts. The Department seeks a Chair who aligns with these goals and will provide strong leadership in the Department and the UMass Chan campus for these efforts.

Bolstering presence in the community through outreach programs

The labs in the Department of Neurobiology frequently host high school and undergraduate students and participate in several activities geared to disseminate the scientific endeavor to the larger community. However, the Department believes outreach efforts should be intensified. Increasing outreach efforts to high schools in the city of Worcester with a high presence of underrepresented minority student enrollment would be particularly important. The Chair would be tasked with increasing these partnerships locally and throughout the state, providing increased opportunities for pipelines of promising students interested in neurobiological research.

QUALIFICATIONS AND CHARACTERISTICS

This position requires a leader with broad intellectual insights, strategic vision, an eye for collaboration, emotional intelligence, and the leadership and managerial acumen to bring neurobiology to the forefront of the field. The desired qualifications and experience of an ideal Chair include the following:

- A distinguished research portfolio
- A PhD or MD/PhD in neuroscience or related field
- An uncompromising commitment to academic excellence in recruiting and developing faculty, assessing academic programs, and supporting exceptional teaching and research
- The ability to develop strategic opportunities and innovative partnerships; success in program building that integrates and leverages diverse disciplines, approaches, and interests
- Commitment to the culture of inclusivity and diversity at UMass Chan and demonstrated success in advancing inclusiveness and diversity
- Strong and demonstrated desire and commitment to broadly engage the university community and to collaborate with others; ability to lead through influence
- Excellent interpersonal and communication skills, including the ability to speak to and interact with scientists spanning the discipline of neuroscience
- Proven professional accomplishment in a complex environment; financial management skills and the ability to identify and leverage multiple revenue streams
- Uncompromising standards of excellence
- A collaborative and communicative leadership style, integrity, warmth, good humor, and a high level of energy

TO APPLY

Inquiries, nominations, referrals, and resumes with cover letters should be submitted on the Isaacson, Miller website: <https://www.imsearch.com/8396>.

Stephanie Fidel, Partner
Kristen Andersen, Senior Associate
Katie White, Associate
263 Summer Street
Boston, MA 02210

As an equal opportunity and affirmative action employer, UMass Chan Medical School recognizes the power of a diverse community and encourages applications from individuals with varied experiences, perspectives, and backgrounds.

Appendix I: The University of Massachusetts Chan Medical School

Academic Enterprise

Since accepting its first class in 1970, the University of Massachusetts Chan Medical School has provided medical students with an accessible, comprehensive, interprofessional, and personally rewarding medical education of the highest quality. In addition to being ranked in the top 10% of medical schools nationwide for the last five years in a row, student satisfaction rankings put UMass Chan in the top 1%.

In 2016, UMass Chan established its first regional campus, UMass Chan -Baystate, in partnership with Baystate Health in Springfield. This campus is home to 25 students in each class who enroll in the innovative Population-based Urban and Rural Community Health (PURCH) track, which prepares students to practice medicine successfully in a post-healthcare reform world by focusing on training to manage the health of individuals as well as populations.

The educational mission of the School is enhanced by the Graduate Medical Education's 50+ accredited programs, from anesthesiology to vascular surgery, which includes more than 600 residents and fellows. UMass Chan's training spans its academic medical center, affiliated teaching hospitals, physician practices, and community health centers, and the School has received the highest approval rating from the Accreditation Council on Graduate Medical Education (ACGME).

The three UMass Chan graduate schools are the T.H. Chan School of Medicine, the Morningside Graduate School of Biomedical Sciences and the Tan Chingfen Graduate School of Nursing.

The Morningside Graduate School of Biomedical Sciences was established as a PhD program in 1979 to train scientists and educators to conduct research on human biology and disease and has grown to a number of master's programs representing a broad background of disciplines in the basic and translational medical sciences. The Tan Chingfen Graduate School of Nursing was established in 1986 to complement the Chan School of Medicine and the Morningside Graduate School of Biomedical Sciences to meet the demand for highly qualified nursing professionals to serve in all areas of patient care and to promote nursing leadership in education, practice, and research. In the inaugural rankings of Nursing Schools Almanac, the Tan Chingfen Graduate School of Nursing was named one of the top nursing schools in the country and first, overall, in New England.

Public Service

UMass Chan is distinguished by a long history of unwavering support of public service that illustrates the institution's commitment to serving the people of the Commonwealth of Massachusetts. UMass Chan works in partnership with state agencies to provide mental health services at state hospitals and clinics; its psychiatry Department provides the only public sector psychiatric services in the state; a multidisciplinary child advocacy team provides services to identify and aid children at risk of abuse or neglect; UMass Chan founded the Massachusetts Medical Interpreter Association to train hospital interpreters throughout the state; the Office of Community Programs offers community-based educational programs across the state; and numerous summer enrichment programs expose students from many communities to the opportunities healthcare careers offer. Additionally, the highly regarded Worcester Pipeline Collaborative is a nationally recognized model of teamwork between the medical school, the Worcester Public Schools, and other local partners to prepare, educate, and train K-12 students for the STEM (Science, Technology, Engineering & Mathematics)-oriented economy of the 21st Century.

Commonwealth Medicine

UMass Chan Medical School brings its public mission beyond the four walls of the University through its public service consulting and operations division, Commonwealth Medicine (CWM). Formally established in 1999, CWM works with public health and human service agencies and other clients to anticipate, recognize, and address some of the most complex problems facing at-risk, medically complex, disabled, or economically disadvantaged populations. From offering innovation on clinical, policy, and financial matters to operating and administering entire programs, CWM leverages the research, clinical, and academic excellence of UMass Medical School, helping clients deal with this tidal wave of transformation by providing expertise in building the infrastructure to make healthcare reform a reality.

The division's Center for Health Law and Economics has helped develop every major healthcare reform initiative in Massachusetts for over a decade. The team now brings that knowledge and experience to other states, providing insight on the implications of health policy changes, designing frameworks for health coverage, and creating innovative payment methodologies to manage the cost of care.

Improving care for people with complex healthcare conditions is critical to improving their quality of life and for managing the cost of care. CWM offers an extensive range of services through its Health Care Operations and Administration sector to assist clients in coordinating the long-term care needs of their most vulnerable patient populations. The Center for Health Policy and Research has an international presence in the field of intellectual and developmental disabilities.

Through its Center for Health Care Financing, CWM plays a vital role in the sustainability of publicly funded healthcare by helping state agencies maximize current revenue streams and identify new opportunities for additional funding.

MassBiologics of UMass Chan Medical School (MBL)

MassBiologics of UMass Chan (MBL) is the only publicly owned, non-profit FDA-licensed manufacturer of vaccines and other biologic products in the United States. The laboratory was established in 1894 by the state Board of Health to produce diphtheria antitoxin and remained under the auspices of the Department of Public Health until 1996 when a legislative action transferred MBL to the University of Massachusetts. MBL's mission, although having evolved over the years, continues to be focused on improving public health in Massachusetts and, increasingly, across the globe through applied research, development, and production of biologic products.

Throughout its 100-year history, MBL has helped to position Massachusetts as a leader in immunization, afforded the state greater access to needed vaccines, and saved the state millions by relying less on commercially produced vaccines. MBL has introduced vaccines to prevent pertussis, tetanus, and other diseases into general statewide use. MBL continues to provide essential vaccines that hold little appeal for private drug companies; MBL manufactures Tetanus and Diphtheria Toxoids, Adsorbed (Td) vaccine, and provides 15% of the Td vaccine used in the United States. In addition, MBL's scientists have pioneered products such as the respiratory syncytial virus immune globulin, the first drug to protect infants and toddlers from serious respiratory complications.

The majority of MBL's efforts are concentrated on translating basic research ideas into new vaccines and biologics for commercialization and distribution worldwide, with a particular focus on unmet public health needs. In October 2017, the Serum Institute of India launched Rabishield, a rabies monoclonal antibody developed in partnership with MBL. The first-of-its-kind product is expected to significantly reduce the rabies mortality rate in India and represents a watershed moment in the history of treating rabies.

Worldwide, rabies claims 50,000 lives each year. MBL's track record for product selection is excellent, making it one of the leading generators of technology licensing income at the University of Massachusetts.

Advancement

The Office of Advancement remains focused on the long-term plan and strategy of how best to increase the amount of philanthropic support designated for institutional priorities.

In late 2016, UMass Chan Chancellor Michael F. Collins announced the public phase of Pathways of Promise, a \$250 million comprehensive campaign to support UMass Chan's ongoing pursuit of excellence and to shape advances in biomedical research, education, and community and global engagement. The campaign concluded in September 2019, more than a year ahead of schedule, ultimately raising \$279 million to fund life-saving research and world class medical education.

In 2021, UMass Chan Medical School received its largest donation in school history – a \$175 million donation from The Morningside Foundation. Following the donation, UMass Medical School became the UMass Chan Medical School, along with the new naming of the Morningside Graduate School of Biomedical Sciences and the Tan Chingfen Graduate School of Nursing. The transformative gift, which is unrestricted, allows the Medical School to recruit renowned and innovative faculty, conduct more breakthrough biomedical research, offer financial support to highly qualified and diverse students; and be ever more expansive in fulfilling its public service mission.

Appendix II: Impact 2025 – UMass Chan Medical School Strategic Plan

https://www.umassmed.edu/globalassets/chancellor/documents/impact-2025-strategic-plan_final-version_11-04-2019-to-pdf.pdf