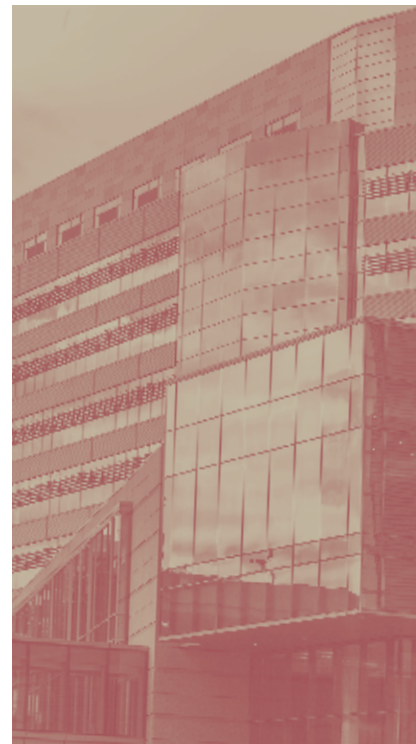


SCHOOL OF
MEDICINE

2013-15

CATALOGUE



SCHOOL OF
MEDICINE

University of Massachusetts Medical School

SCHOOL OF
MEDICINE

School of Medicine



*Advancing the health and well-being of the people of the Commonwealth of Massachusetts
and the world through pioneering education, research and health care delivery.*

The University of Massachusetts Medical School (UMMS) is firmly committed to an environment free of all forms of discrimination, harassment, intimidation, uncivil behavior or other acts of intolerance. UMMS will not discriminate on the basis of race, color, religion, gender (including pregnancy, childbirth or related medical conditions), sexual orientation, age, national origin, ancestry, disability, covered veteran status or any other characteristics protected by law.

The Diversity and Equal Opportunity Office (DEOO) is charged with oversight for the University's affirmative action and equal opportunity policies and for monitoring practices, procedures and programs designed to reach this goal. The DEOO works with all departments

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Disabled or impaired persons who need assistance to access the information in this catalogue should contact the DEOO at 508-856-2179; TDD: 508-856-6395.

This catalogue is intended to provide academic and nonacademic information about graduate study at UMMS to persons who work and study here, to persons who may be interested in applying for admission and to the general public. UMMS is fully accredited by the Liaison Committee on Medical Education and the New England Association of Schools and Colleges.

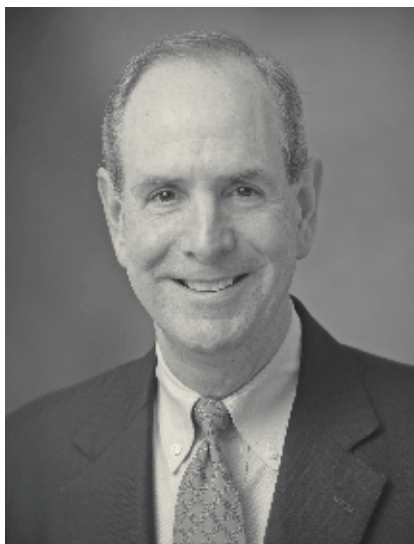
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School of Medicine

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CATALOGUE



Message from the Chancellor

The history of every great institution is filled with significant moments. For UMass Medical School (UMMS), our moment is now.

Our state's only public academic health sciences center is flourishing and increasing its renown, both here at home and around the globe. We continue our vital mission to educate scientists and health care practitioners; care for those who are most in need; push to the forefront of innovation and scientific discovery; and serve communities that are close to home and continents away.

We recently opened a state-of-the-art education and research facility, the Albert Sherman Center, one of the finest education and research complexes found at any medical school in America. Our faculty, programs and facilities clearly reflect the outstanding research we undertake and the superb education we provide. With the opening of this impressive building, UMass Medical School is now ideally positioned to realize our full potential.

Our unique strengths include a top-ranked primary care program, an innovative learner-centered medical education curriculum and groundbreaking research in some of the most promising biomedical fields. We attract more than \$250 million in grants annually and our researchers consistently produce vital advances in basic and clinical science. We are a key partner in the state's visionary, 10-year, \$1 billion Massachusetts Life Sciences Initiative, enacted in 2008. We are also in the third year of a prestigious five-year Clinical and Translational Science Award from the National Institutes of Health, placing UMMS among an elite consortium of 55 nationally prominent research institutions that is working to move laboratory discoveries into treatments for patients, engage communities in clinical research and train a new generation researchers.

As a deeply caring and supportive community, we place the highest priority on civility and respect for the dignity and diversity of each individual. Many of our faculty, staff and students devote time to public service both here in Worcester and, increasingly, around the world. We are helping the city of Worcester re-invigorate its public health system, advising Liberia on the design of their health care system and working with Haiti to rebuild the country's medical education system.

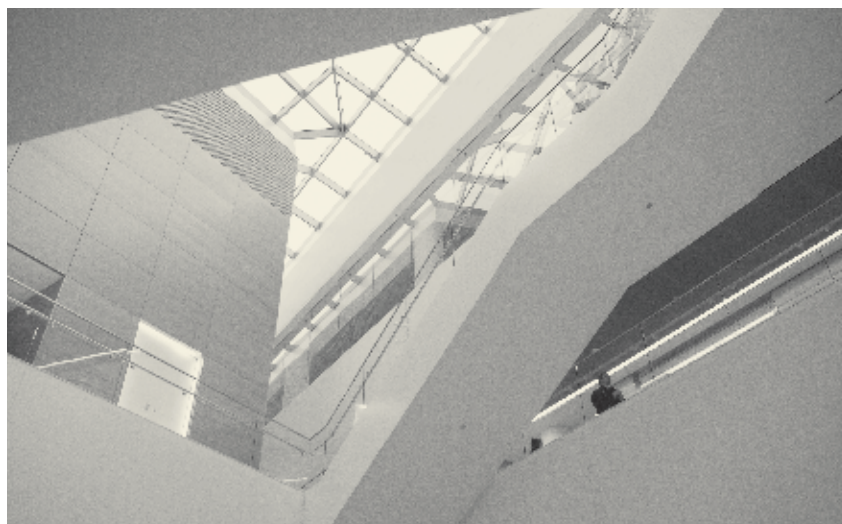
This is our moment, one that is characterized by change, growth and transformation. Despite the dynamism and continued evolution of our institution, we never lose sight of our core mission, which is to support each of our students in his or her dream of becoming a doctor.

It is my pleasure to welcome you as you explore our school and learn more about us.

Michael F. Collins, MD

Chancellor
University of Massachusetts
Medical School

Senior Vice President for the
Health Sciences
University of Massachusetts



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Message from the Dean

This is an exciting time to be a member of our UMass Medical School community. We recently successfully completed two important accreditation processes, receiving a full eight-year accreditation from the Liaison Committee on Medical Education (LCME), the primary accrediting body for medical schools, and a full 10 years from the New England Association of Schools and Colleges (NEASC). Further, we have a plethora of new facilities and a new curriculum now fully implemented across all four years of our medical education program. There is a palpable campus energy as we enter an exciting chapter in the history of the commonwealth's only public medical school.

After years of preparation, planning and building, we are finally set to take advantage of two major milestones: the Learner-centered Integrated Curriculum (LInC) and the opening of our 512,000-square-foot learning and research facility, the Albert Sherman Center. This beautiful \$400-million education and research center opened in January 2013 and has already become the focal point of campus life.

The new curriculum, LInC, emphasizes early patient care experience; strong patient and patient family communications skills development; interprofessional teamwork; and promotion of life-long learning skills. Since LInC's implementation, our students have met all educational milestones, and their scores and passing rates for the United States Medical Licensing Examination Steps 1 and 2 exams have risen dramatically and are well above the national averages.

The five Learning Communities, an integral part of LInC, have dedicated space within the Sherman Center. Learning Communities provide a higher faculty-student mentor ratio, and foster a greater sense of community across the class years. The interprofessional Center for Experiential Learning and Simulation just across the hall from the Learning Communities, and the additional

campus amenities, such as the new fitness center and cafeteria, add to the newly enhanced sense of campus community here at UMass Medical School.

Cutting-edge clinical and translational research is already flourishing within the Sherman Center. The open design of the research spaces supports interdepartmental collaborations across traditional boundaries, which are vital to the success of these scientific endeavors. We hope the unique design paired with the work of our outstanding faculty will result in transforming bench discoveries, which will be rapidly translated to the bedside or into actual treatments, cures and preventions for devastating diseases. All of this exciting research is steps away from the state-of-the-art educational spaces. At UMass Medical School, we believe we have created the ideal learning environment.

In 2009, UMass Medical School committed to increasing our School of Medicine class size by 25 percent each year for four years. This class expansion reflects our commitment to build a physician workforce that will meet the growing needs of the commonwealth and beyond as we fully implement national health care reform.

It is an exciting time to be a member of the UMass Medical School community. I look forward to seeing what the next chapter holds, and I welcome you to join me on this journey.

Terence R. Flotte, MD

The Celia and Isaac Haidak Professor
of Medical Education

Dean, Provost and Executive
Deputy Chancellor

University of Massachusetts
Medical School