

**Tenure-Track - Assistant Professor - Pharmaceutical
Sciences**
University of Massachusetts Lowell

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Posted Dec. 2, 2025, set to expire Apr. 16, 2026

Job Title	Tenure-Track - Assistant Professor - Pharmaceutical Sciences
Department	Biomedical and Nutritional Sciences
Institution	University of Massachusetts Lowell Lowell, Massachusetts
Date Posted	Dec. 2, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor
Academic Field(s)	Pharmaceutical Sciences
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Job Description

The Department of Biomedical and Nutritional Sciences, located in the Zuckerberg College of Health Sciences at the University of Massachusetts Lowell, is seeking a full-time, tenure-track faculty member at the level of Assistant Professor with expertise in pharmaceutical sciences and research interests in modeling, analysis, and simulation. The ideal candidate should have a successful publication record and demonstrate potential for extramural funding to support their research programs.

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The department is interested in a highly motivated and innovative scientist whose research integrates computational and quantitative approaches to advance drug discovery, development, and translational/clinical pharmacology. The successful candidate is expected to develop an independent basic or translational research program in areas such as:

- Model-informed drug discovery and development
- Quantitative systems pharmacology (QSP) modeling
- Physiologically-based pharmacokinetic (PBPK) modeling
- Pharmacometrics; population pharmacokinetics/pharmacodynamics (PK/PD)
- Computational modeling of drug absorption for formulation development
- AI-driven or machine-learning-based drug discovery, drug screening, drug toxicity and/or lead optimization
- Application of omics technology or high-throughput imaging for validation of targets.

The successful candidate will ideally bridge multiple programs and centers within the college, including pharmaceutical, nutritional and/or applied biomedical sciences, as well as the university. Interdisciplinary collaboration opportunities exist with other UMass Lowell Colleges, including Kennedy College of Sciences and Francis College of Engineering, and with Research Centers across the 5-campus UMass system, including UMass Chan Medical School.

This is a 9-month, tenure-track appointment on a state-supported line. Base salary is institutionally guaranteed and not contingent on external grant funding; summer salary may be available via sponsored research projects or teaching.

All faculty are expected to teach undergraduate and graduate students and engage in service to the department, college, and university. Tenure-track faculty have a base teaching load of four courses per year, with a significantly reduced teaching load for the first four years and additional course reductions based on scholarly productivity.

The Biomedical and Nutritional Sciences department currently has 18 full-time faculty and 5 full-time staff members, in addition to postdoctoral fellows and research staff. This vibrant team of research-focused, teaching-focused, and clinical-focused educators is actively engaged with students through innovative health sciences education, including experiential and interprofessional education, hands-on laboratory training, and research mentorship. Academic programs in the department include undergraduate and graduate programs in nutrition, applied biomedical sciences, medical laboratory sciences, and pharmaceutical sciences. Faculty have the opportunity to mentor PhD students in pharmaceutical sciences, as well as in the intercollege biomedical sciences and biotechnology

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program. Research in the department is multidisciplinary and includes cutting-edge topics in pharmaceutical sciences, in addition to research in biomedical sciences, nutritional biochemistry, and epidemiology. Opportunities abound for collaborative research across the college and university, with exercise science, public health, nursing, engineering, business, and the sciences.

The Zuckerberg College of Health Sciences (ZCHS) is a dynamic and growing college of 65 faculty and 1,900 students that prepares scientists and professionals in a wide range of health-focused disciplines. In addition to BNS, the College houses the Solomont School of Nursing, the Department of Public Health, and the Department of Physical Therapy and Kinesiology. Faculty research within Zuckerberg College ranges from laboratory research to clinical interventions and community-based projects, and research expenditures in the college have more than doubled in the last several years. The college boasts a strong, supportive community and culture that values interdisciplinary collaboration, research excellence, and student success.

The University of Massachusetts Lowell (UML) located about 25 miles northwest of Boston in the high-tech corridor of Massachusetts, is a diverse Carnegie Research 1 university enrolling nearly 17,000 students and conducting more than \$120 million in sponsored research annually. It is ranked the #1 public university in Massachusetts and the #1 for social mobility among all universities in Massachusetts by the Wall Street Journal, especially for its exceptional student success outcomes. Its 17,000+ student body is highly diverse, with 43% of students first-generation and 48% of undergraduates identifying as from diverse backgrounds. Lowell, in the heart of New England on the banks of the Merrimack River, is an exceptionally diverse community and a beautiful hub of invention and innovation that is the birthplace of America's industrial revolution. Our proximity to Boston, UMass Chan Medical School, the Bedford VA and the Boston area's biopharmaceutical industry provides exciting opportunities for academic, clinical, and industry partnerships and collaborations. UML has embarked on the Lowell Innovation Network Corridor (LINC) initiative, an exciting public-private partnership for a 1 million-square-foot development designed to meet the facilities, research, and workforce needs of companies in multiple industries, with Draper Labs as anchor tenant. LINC will bring new housing, economic development, industry jobs, and workforce development to downtown Lowell, and will provide exciting collaborative research opportunities for BNS in biomedical sciences, biotechnology, and human performance.

Minimum Qualifications (Required):

- A doctoral degree in pharmaceutical sciences or other related health sciences field
- Postdoctoral research experience
- Record of research and publication
- Excellent communication skills (written and verbal)

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- The candidate must have a vibrant research program with a strong likelihood of funding and continued scholarly dissemination

Additional Considerations:

- Discipline-specific teaching experience preferred
- Experience in fostering interdisciplinary research initiatives is desirable
- Special consideration will be given to individuals with experience working in interdisciplinary team

Special Instructions to Applicants:

This is a benefited, Massachusetts Society of Professors/MTA/NEA union position. Anticipated salary range \$75,000 - \$135,000 based on qualifications.

Please include the following required documents with your application:

- Curriculum vitae
- Cover letter to include information about your past academic experience and highlight the ways you would be able to contribute to the department, college, and university
- Teaching statement/philosophy to include a description of previous teaching experience
- Research statement including research goals, past research accomplishments, and a 3-year research plan
- Two to three samples of published work in peer-reviewed journals in the area of funding/funding potential, preferably as first author or corresponding author, and in high-impact journals (upload 2-3 publications as one file)
- Names and contact information of three references will be required at the time of application. References will be contacted after the initial search committee interview. One reference should be/have been a mentor/supervisor.

EEO/AA Policy

The University of Massachusetts Lowell welcomes all qualified applicants and complies with all state and federal anti-discrimination laws.

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Contact Information

Please reference Academickeys in your cover letter when
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Contact

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