

SUNY EIP Professor in Regenerative Medicine
Thomas J. Watson College of Engineering and Applied
Science at Binghamton University, and Upstate Medical
University

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Posted May 21, 2024, set to expire Nov. 21, 2024

Job Title SUNY EIP Professor in Regenerative Medicine
Department Thomas J. Watson College of Engineering and Applied Science at
Binghamton University, and Upstate Medical University
<https://www.binghamton.edu/watson/>
Institution Thomas J. Watson College of Engineering and Applied Science at
Binghamton University, and Upstate Medical University
Binghamton, New York

Date Posted May 21, 2024

Application Deadline Open Until Filled
Position Start Date Fall 2024

Job Categories Professor
Research Professor

Academic Field(s) Bioengineering (all Bio-related fields)

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Job Description

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About Binghamton University:

Binghamton University is a world-class institution that unites more than 130 broadly interdisciplinary educational programs with some of the most vibrant research in the nation. Our unique character - shaped by outstanding academics, facilities and community life - promotes extraordinary student success.

Binghamton merges rigorous academics, distinguished faculty and state-of-the-art facilities to engage and challenge its 18,000 students. The high-achieving Binghamton student body also represents a great diversity of life experiences, from first-generation college-goers to international students. Beyond their talent, these classmates share a desire to shape the future through technology, insight, intellectual exploration and community service.

Job Description:

The Thomas J. Watson College of Engineering and Applied Science at Binghamton University, and Upstate Medical University invite applications for two tenured faculty positions (one primary appointment at each campus) with an expected start date of Fall 2024 in the area of regenerative medicine. We are seeking national leaders in stem cell science, cell therapy, and biomanufacturing with special focus in pancreatic islet development, biomanufacturing, islet biology, islet transplantation, to be part of a collaborative research and education alliance between Binghamton University and Upstate Medical University. This position will carry the title of SUNY Empire Innovation Professor, and is supported in part by the State University of New York (SUNY)'s Empire Innovation Program (EIP), a key initiative to recruit and retain outstanding faculty with an established track record of research and scholarship in areas of strategic priority.

We are seeking exceptional and well-established experts with outstanding track records of funded research, scholarship, teaching and service. Applications are invited from candidates in all areas of regenerative medicine, biomaterials, and tissue bio-fabrication. However, human pancreatic islet development, islet biomanufacturing, islet biology and islet transplantation are areas of particular interest.

Successful candidates will augment existing capabilities and expertise in regenerative medicine at Binghamton University and Upstate Medical University, build on ongoing research at both campuses and further strengthen and grow cross-institutional collaborations. They will be expected to make

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significant contributions to Binghamton University's Road Map Initiative in the Transdisciplinary Area of Excellence in Health Science (<https://www.binghamton.edu/transdisciplinary-areas-of-excellence/health-sciences/>) and Upstate's Research Strategic Plan (<https://www.upstateresearch.org/about/research-strategic-plan/>). They will develop and implement a robust plan to synergize and accelerate research partnerships between the Center of Biomanufacturing for Regenerative Medicine (CBRM) led by Watson College's Biomedical Engineering Department, Binghamton University's School of Pharmacy and Pharmaceutical Sciences, and the Basic Science and Clinical Departments at Upstate Medical University.

A premier public R1 research institution, Binghamton University contributes over \$1.2 billion annually to the regional economy. The recent \$113 million research award from Economic Development Agency (EDA) for battery technology innovation speaks to the university's leadership on knowledge transfer and partnerships across industrial and academia to advance technology development and innovation in science and engineering. The university attracts outstanding students and is home to award-winning faculty, many of whom are ranked in the top 2% of researchers in their respective fields, including the 2019 Nobel Laureate Dr. Stanley Whittingham in the field of Chemistry.

The Biomedical Engineering Department is particularly strong in advanced biomanufacturing, stem cells, tissue engineering/regenerative medicine, nanomedicine, cardiovascular engineering, biomaterials, organ-on-a-chip, wearable biosensors, and biomechanics. It is home to the Center of Biomanufacturing for Regenerative Medicine. The Department runs a National Institute of Standards and Technology (NIST) PREP postdoc and graduate training program. For more information, please visit our website at: <https://www.binghamton.edu/biomedical-engineering/>.

Upstate Medical University is the region's only Academic Medical Center located in Syracuse New York with two hospitals, a large clinical enterprise with a clinical campus in Binghamton and is comprised of four colleges: The College of Medicine, The College of Graduate Studies, The College of Nursing, and The College of Health Professions. The largest employer in Central New York, Upstate contributes \$2.5B annually to the regional economy. Upstate has a vibrant, impactful and growing research enterprise that has increased research expenditures 35% over the last four years culminating in total expenditures of \$48M. Basic and translational research is focused in five basic science departments, translational and clinical research in twenty clinical departments, and within research centers and institutes including: the Joslin Center for Diabetes, Clinical Research Unit, Institute for Global Health and Translational Science, the Center for Vision Research, the Sepsis Interdisciplinary Research Center, the Upstate Cancer Center, and the Neuroscience Research Institute. Upstate maintains a large and growing clinical trials portfolio with an average of 600 open clinical trials. Upstate has a vibrant innovation and entrepreneurship ecosystem supported by an incubator, The Central New York Biotech Accelerator, one of the most successful incubators in New York State with an economic

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impact of \$87M supporting 33 client companies. Upstate is looking to accelerate its research growth and impact in a number of key areas including in regenerative medicine/cell and tissue therapies and is particularly well-positioned to bring regenerative medicine innovation to our patients.

Successful candidates will receive a comprehensive startup package including competitive salary compensation and benefits commensurate with qualifications and experience.

Requirements:

Candidates must have a MD or PhD degree in medicine, science or engineering. Specific areas of focus are biomedical engineering or tissue engineering, and cell or molecular biology specializing in stem cell research. They must possess outstanding research credentials including proven research leadership, strong record of scholarship as evidenced by peer-reviewed publications and citations and a strong record of securing external funding. In addition, candidates must have demonstrated experience as an effective educator and research mentor.

EEO/AA Policy

The State University of New York is an Equal Opportunity/Affirmative Action Employer. It is the policy of Binghamton and Upstate Medical University to provide for and promote equal opportunity employment, compensation, and other terms and conditions of employment without discrimination on the basis of age, race, color, religion, disability, national origin, gender identity or expression, sexual orientation, veteran or military service member status, marital status, domestic violence victim status, genetic predisposition or carrier status, or arrest and/or criminal conviction record unless based upon a bona fide occupational qualification or other exception.

As required by title IX and its implementing regulations, Binghamton and Upstate Medical University do not discriminate on the basis of sex in the educational programs and activities which it operates. This requirement extends to employment and admission. Inquiries about sex discrimination may be directed to the University Title IX Coordinator or directly to the Office of Civil Rights (OCR). Contact information for the Title IX Coordinator and OCR, as well as the University's complete Non-Discrimination Notice may be found here.

Pursuant to Executive Order 161, no State entity, as defined by the Executive Order, is permitted to ask, or mandate, in any form, that an applicant for employment provide his or her current



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compensation, or any prior compensation history, until such time as the applicant is extended a conditional offer of employment with compensation. If such information has been requested from you before such time, please contact the Governor's Office of Employee Relations at (518) 474-6988 or via email at info@goer.ny.gov.

Both Binghamton and Upstate Medical University are tobacco-free campuses.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact