

**SUNY Empire Innovation Program (EIP) Cluster Hire in Regenerative Medicine
at Binghamton University joint with Upstate Medical University - State University of New York (SUNY)**

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 diabetes research, 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 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 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/Qualifications:

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.

Additional Information:

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.

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

Application Instructions:

Interested candidates should submit an application package, including a cover letter, curriculum vitae, a statement to describe research interests, teaching interests, and a diversity statement. Additionally supply names and contact information of five references. Applications will be accepted starting February 1, and will continue to be accepted after this date until the position is filled. The State University of New York, Binghamton University and Upstate Medical University are equal opportunity employers.

For the position at Binghamton University, all qualified applicants are encouraged to apply at:

<https://binghamton.interviewexchange.com>.

For the position at Upstate Medical University, all qualified applicants are encouraged to apply at <http://careers.upstate.edu/cw/en-us/job/514469?!ApplicationSubSourceID=>

Explore this extraordinary opportunity to contribute to cutting-edge research in the field of regenerative medicine and join a vibrant academic community that is committed to fostering innovation and excellence.