



**University at Buffalo**  
*The State University of New York*

Department of Chemical and Biological Engineering  
School of Engineering and Applied Sciences

The Department of Chemical and Biological Engineering (CBE) at the University at Buffalo (UB) plans open-rank faculty hires (Assistant, Associate and full Professor ranks) in the area of Systems Bioengineering, as it relates to studies at the cell, tissue, organ and/or microbial level, including host-pathogen interactions. Excellent candidates in other areas related to Chemical and Biological Engineering will also be considered. Application areas may include, but are not limited to, the fields of biotechnology, biopharmaceutics, biomedicine, stem cell engineering, synthetic biology, environment sciences, computational modeling and big-data. Candidates proposing purely computational or experimental programs or a mix are welcomed. The new hires will complement existing department strengths in gene, drug and vaccine delivery, protein, cell and tissue engineering, regenerative medicine, materials and computational sciences. We are particularly looking for candidates who can operate effectively in a diverse community of students and faculty, and share our vision of helping all constituents reach their full potential.

Candidates are expected to complement existing research strengths in the department ([www.cbe.buffalo.edu](http://www.cbe.buffalo.edu)), the School of Engineering and Applied Sciences (SEAS; [engineering.buffalo.edu](http://engineering.buffalo.edu)), the Jacobs School of Medicine and Biomedical Sciences ([medicine.buffalo.edu](http://medicine.buffalo.edu)), the NYS Center of Excellence in Bioinformatics and Life Sciences ([www.buffalo.edu/bioinformatics.html](http://www.buffalo.edu/bioinformatics.html)) and / or the Institute for Research and Education in eNergy, Environment and Water (RENEW).

Applicants should submit a curriculum vita, statements of teaching and research plans, and three references via the UBJobs system ([www.ubjobs.buffalo.edu](http://www.ubjobs.buffalo.edu), reference posting number F1700140). Applications received by December 1, 2017 will be given priority but review of applications will continue until the positions are filled.

UB CBE combines excellence and collegiality to provide an outstanding environment for our faculty, staff and students. UB CBE was ranked 8<sup>th</sup> in the nation for publications per faculty; and 9<sup>th</sup> for awards per faculty (National Research Council, 2010). Areas of research strength and focus in the department include bioengineering, nanomaterials engineering, and molecular and multiscale modeling. At present, we have 26 faculty members with over \$350K of annual research expenditures per faculty, 170 graduate and over 350 undergraduate students. Our faculty includes three members of the National Academy of Engineering, a National Medal of Science awardee, eight NSF CAREER Award winners, and several Fellows of professional societies. Over the next five years we anticipate continuous growth that is supported by university-wide strategic plans for growth in energy research, nanotechnology, materials research, bioengineering, and related areas where CBE plays a key role.

Along with a strong core of bioengineering and materials science and engineering faculty in CBE and the School of Engineering and Applied Sciences, UB offers rich collaborative opportunities in the Schools of Medicine, Pharmacy, Arts and Sciences, the Center for Excellence in Bioinformatics and Life Sciences, Hauptman-Woodward Medical Research Institute, Roswell Park Cancer Institute, the new Center of Excellence in Materials Informatics (CMI) and RENEW (Research and Education in eNergy, Environment and Water).

The University at Buffalo is the largest and most comprehensive university in The State University of New York (SUNY) system, with about 19,000 undergraduates, 10,000 graduate students, and 1600 full-time faculty (which is expected to grow by 300 faculty over the next five years). Buffalo is a city with a rapidly growing economy, eclectic neighborhoods, world-class art galleries and museums, a vibrant theater and music community, the Lake Erie waterfront, a city-wide system of parks designed by renowned landscape architect Frederick Law Olmsted, and major and minor league sports teams. The awe-inspiring Niagara Falls is just 20 minutes away. CBE is located on the UB North Campus in suburban Amherst, an area that combines outstanding public schools and services with a surprisingly low cost-of-living.

*The University at Buffalo is an Equal Opportunity/Affirmative Action Employer/Recruiter.*