

NSF-CREST
Center for Cellular and Biomolecular Machines
University of California, Merced
5200 North Lake Road
Merced, California 95343
ccbm.ucmerced.edu



Postdoctoral Scholar in Computational Modeling of Biological Systems, University of California, Merced

Apply by April 1, 2022

POSITION DESCRIPTION - The Center for Cellular and Biomolecular Machines (CCBM) at UC Merced is seeking a Postdoctoral Scholar who will work with CCBM researchers on projects in the broad area of computational modeling of biological systems. The candidate will collaborate with physicists, chemists, bioengineers and materials scientists to advance the center's research agenda; lend computational and modeling expertise to existing projects as well as initiate new collaborations and projects under the auspices of the center; publish their work in reputed peer-reviewed journals; provide mentoring and guidance to graduate and undergraduate collaborators in matters related to computational modeling; and is expected to have grant-writing experience and actively seek extramural funding. Pedagogical opportunities include assisting in the delivery of computational training modules and informal workshops as part of the center's education program and taking part in the outreach activities of the center including summer REU programs and local public school outreach. Flexibility in working arrangements, including a mix of in-person and remote work, can be accommodated. The Center for Cellular and Biomolecular Machines (CCBM) at UC Merced is funded by the National Science Foundation (NSF) Centers of Research Excellence in Science and Technology (CREST) program. Established in 2016 and currently in the second five year Phase II, CCBM's vision is to be nationally and internationally recognized for cutting-edge interdisciplinary research on functional multi-scale biomolecular and cellular assemblies and to be a model for integrated research, education and outreach. Through focused efforts to encourage participation among underrepresented students from the San Joaquin Valley and beyond, CCBM will develop a pipeline for a highly qualified science, technology, engineering and math (STEM) workforce and produce high-caliber, diverse trainees at all levels who can spur growth in California's San Joaquin Valley. CCBM brings together more than 30 faculty members from multiple units across campus including bioengineering, physics, chemistry and chemical biology, materials science and engineering, and is led by faculty Co-Directors Victor Muñoz and Ajay Gopinathan. <https://ccbm.ucmerced.edu/>.

DUE DATE - Apply by April 1, 2022 / Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

QUALIFICATIONS - Basic qualifications - Ph.D. in field such as physics, chemistry, bioengineering, or a related field with thesis work related to computational modeling of biological systems / Additional qualifications - Experience working on computational modeling of biological systems / Preferred qualifications - Strong communication skills and the ability to work with faculty and researchers from multiple disciplines

APPLY / MORE INFORMATION - <https://aprecruit.ucmerced.edu/JPF01292>

JOB LOCATION - University of California, Merced, 5200 North Lake Road, Merced, CA 95343 (USA) – <https://www.ucmerced.edu/>