

Postdoctoral Associate, Physics
University at Buffalo, The State University of New York

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Posted Jan. 12, 2022, set to expire May 24, 2022

Job Title	Postdoctoral Associate, Physics
Department	Physics
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Jan. 12, 2022
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Physics - General
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Job Description

Seeking an enthusiastic and talented biophysicist/biochemist/polymer physicist/polymer chemist/biologist to join Banerjee Laboratory at University at Buffalo (UB) in studying liquid-liquid phase separation of intrinsically disordered proteins and RNAs. The position requires the application of state-of-the-art single-molecule fluorescence and force microscopy (Lumicks C-Trap) system to study the role of multi-component phase separation in biology.

Research duties include, but are not limited to:

- * Application of correlative optical tweezer and confocal fluorescence microscopy to study biomolecular condensates.
- * High-throughput phase separation assay development, and quantifying nucleic acid-protein interactions.
- * Explore the role of protein/RNA phase transition in human diseases.



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The successful candidate will be joining a dynamic interdisciplinary team of graduate, undergraduate students, postdoctoral trainees, and a diverse set of collaborators with a research interest in deciphering and pharmacological targeting molecular-to-mesoscale protein-nucleic acid condensate structure, dynamics, and function. The team is supported by multiple NIH and foundation grants including an R35 grant from the NIH/NIGMS.

Details on our research and publications can be found at our website:

<https://banerjeelab.org>/<https://banerjeelab.org>.

Outstanding Benefits Package

Working at UB comes with benefits that exceed salary alone. There are personal rewards including comprehensive health and retirement plan options. We also focus on creating and sustaining a healthy mix of work, personal and academic pursuit - all in an effort to support your work-life effectiveness.

Visit our benefits website to learn about our <http://www.buffalo.edu/administrative-services/for-faculty-staff/benefits/research-foundation/regular-employees.html> benefit packages.

About UB

The University at Buffalo is SUNY's most comprehensive public research university, and an outstanding place to work. UB amplifies ambition for faculty and staff by offering endless possibilities to achieve more. Here, people from all backgrounds and cultures challenge and inspire each other to discover, learn and succeed. Dedicated staff and engaged faculty collaborate to further knowledge and understanding and develop tenacious graduates who are valued for their talents and their impact on global society. Visit our website to learn more about the <http://buffalo.edu/University> at Buffalo.

As an Equal Opportunity / Affirmative Action employer, the Research Foundation will not discriminate in its employment practices due to an applicant's race, color, religion, sex, sexual orientation, gender identity, national origin, and veteran or disability status.

Contact Information

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

Contact