

جامعة نيويورك أبوظبي



NYU ABU DHABI

## Research Intern - Mechanisms Underlying Neuronal Diversity

### Center of Genomics and Systems - Biology

#### NYU Abu Dhabi

The Center for Genomics and Systems Biology Department, New York University Abu Dhabi, seeks to recruit an intern to work in the position of Research Intern, on the mechanisms underlying neuronal diversity in *Drosophila* Brain.

The successful applicant will drive an exciting project to understand the mechanisms encoding neuronal diversity in the *Drosophila* visual system. Research from our laboratory has identified a series of transcription factors in neural stem cells that are crucial for generating a diverse set of neurons in the *Drosophila* visual system. We will explore how these transcription factors regulate the fate of neurons. We will analyze single-cell multiome (scRNA-seq and scATAC-seq) and employ classical *Drosophila* Genetics and Immunohistochemistry to address these questions. The candidate will work in CGSB / Neuronal Systems in a multidisciplinary environment consisting of PhD-level scientists, graduate students, and undergraduate students.

Applicants must have a strong interest in neuroscience or developmental biology and be willing to maintain and work on the *Drosophila* model system.

For consideration, applicants need to submit a cover letter, curriculum vitae, statement of research interest, letter of reference, all in PDF format. If you have any questions, please email [Dr. Asif Bakshi at: aab8477@nyu.edu.

The internship opportunity is competitive. Applications will be accepted during a short timeframe during Spring and Fall terms. Shortlisted candidates will be notified within a month of the application deadline.

#### *About NYUAD:*

NYU Abu Dhabi is a degree-granting research university with a fully integrated liberal arts and science undergraduate program in the Arts, Sciences, Social Sciences, Humanities, and Engineering. NYU Abu Dhabi, NYU New York, and NYU Shanghai, form the backbone of NYU's global network university, an interconnected network of portal campuses and academic centers across six continents that enable seamless international mobility of students and faculty in their pursuit of academic and scholarly activity. This global university represents a transformative shift in higher education, one in which the intellectual and creative endeavors of academia are shaped and examined through an international and multicultural perspective. As a major intellectual hub at the crossroads of the Arab world, NYUAD serves as a center for scholarly thought, advanced research, knowledge creation, and sharing, through its academic, research, and creative activities.

EOE/AA/Minorities/Females/Vet/Disabled/Sexual Orientation/Gender Identity Employer

UAE Nationals are encouraged to apply