

Intern - Biological Sample Preparation, Imaging, and Image Processing

Core Technology Platform

NYU Abu Dhabi

The Core Technology Platforms, New York University Abu Dhabi, seeks to recruit an intern for the position: **Intern, Biological Sample Preparation, Imaging, and Image Processing**.

The successful applicant will drive a project focused on sample preparation, image acquisition, and analysis in a state-of-the-art light microscopy facility. The intern will work closely with the Microscopy Core to prepare biological samples, capture high-resolution images using advanced confocal and widefield microscopy systems, and process these images using MATLAB, Imaris, and FIJI. The role provides hands-on experience with cutting-edge imaging technologies and image analysis workflows essential for studying cellular and molecular processes.

Responsibilities:

- Prepare biological samples for light microscopy.
- Operate confocal and widefield microscopy systems to acquire high-quality images.
- Process and analyze image datasets using MATLAB, Imaris, and FIJI.
- Collaborate with researchers to optimize imaging workflows and contribute to experimental design.

Qualifications:

- Background in Biology or a related field.
- Familiarity with light microscopy techniques is preferred but not required.
- Interest in learning advanced image processing tools and methods.

For consideration, applicants need to submit a cover letter and CV. If you have any questions, please email Rachid Rezgui at: rr142@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

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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