Summer Undergraduate Light Microscopy Internship

UMass Amherst operates more than 30 core facilities, many of which are housed in the Life Sciences Laboratory (LSL) building which opened in October of 2016. The facilities advance the Institute’s goals to support high quality research and to enhance human health and well-being. The overall Core Facility infrastructure was made possible by a grant from the Massachusetts Life Science Center.

Description:

The Light Microscopy Facility (part of IALS) is seeking a summer intern to assist in the new Nikon Center for Excellence facility this summer. Interns will get hands-on-experience with state of the art equipment facility that provides powerful resources for imaging model organisms, tissue, cells, biomaterials, and artificial structures including almost every light microscopy imaging modality currently available. Responsibilities include:

- Assist with basic training of new users.
- Maintain microscopes by assisting with cleaning and routine maintenance.
- Prepare micrographs that will be used to calibrate and track microscope performance.
- Check and restock consumable items around the lab.
- Develop an electronic “basic checklist” for each microscope to assist all users.
- Additional duties may include answering user questions about image acquisition and analysis.

More information about the facility is available here: [http://www.umass.edu/ials/light-microscopy](http://www.umass.edu/ials/light-microscopy)

Qualifications:

Interns are expected to be familiar with and have a basic understanding of confocal microscopes, fluorescence, and image analysis.

All mandatory lab and safety trainings are to be completed before the start of the internship on July 1, 2018.

Interns will work under the supervision of Dr. Jim Chambers.

Workload:

30 hours a week – starting July 1, 2018

Compensation:

$15/hour

Number of openings:

One

Any questions about the internship should be directed to nsampath@umass.edu

Please submit cover letter, resume and one reference to cberrena@umass.edu by February 28, for priority consideration. In the subject line, mention: Light Microscopy (your Last Name, First Name).