Summer Undergraduate Electron Microscopy Internship

The UMass Amherst Electron Microscopy Center is part of a core facilities network administered through the Institute for Applied Life Sciences (IALS). The facilities help to advance the Institute’s goals to support high quality research and education to enhance human health and well-being. The overall Core Facility infrastructure was made possible by a grant from the Massachusetts Life Science Center. The EM Center supports research and education in both materials and life sciences.

Description:

The Electron Microscopy Center is seeking a summer intern to assist in operation and research this summer. Interns will have to opportunity to get hands-on-experience with state of the art instrumentation including Scanning and Transmission Electron Microscopy as well as Scanning Probe Microscopy. Responsibilities include:

- Learn basic instrument operation and assist with basic training of new users.
- Learn about and assist users with basic sample preparation techniques.
- Learn about and assist users with image processing.
- Develop educational material including basic training videos.
- Assist with instrument reconfiguration/relocation if necessary.

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

Qualifications:

Interns are expected to be familiar with and have a basic understanding of computer operation and image manipulation software (Photoshop, Image).

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. Alexander Ribbe.

Workload:
30 hours a week – starting July 1, 2018 or earlier

Compensation:
$15/hour

Number of openings:
One

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