

**ELECTRON MICROSCOPIST (Associate Specialist/Specialist)
Bay Area Cryo-EM (BACEM) Facility
California Institute for Quantitative Biosciences (QB3)
University of California, Berkeley**

The Bay Area Cryo-EM (**BACEM**) Facility is a **multi-user, high-throughput cryo-EM resource** dedicated to single particle studies that aim for high resolution structures or the description of complex biochemical or conformational coexisting states. The facility will be run by dedicated, expert personnel and will operate in a way similar to a synchrotron beam-line, providing easy access to this technology.

An experienced Electron Microscopist is required to assist with day-to-day operations within the Bay Area Cryo- Electron Microscopy (BACEM) consortium. An FEI Krios and related equipment will be installed in the summer of 2016, to be used jointly by multiple research groups at UC Berkeley, UC San Francisco, UC Davis, UC Santa Cruz, and the Lawrence Berkeley National Laboratory.

Job Duties

- Train and supervise students, postdocs, and other authorized users to use the BACEM resources.
- Be responsible for routinely helping local users in efficient use of the facility.
- Checking alignments daily or whenever the user changes, and doing periodic (monthly) performance checks on the scope and camera to ensure optimal performance.
- Troubleshoot and analyze equipment-performance issues.
- Schedule efficient and equitable use of major equipment in accord with BACEM rules and policies
- Routinely load grids for remote users and facilitate remote data collection.
- Schedule maintenance of equipment when needed.
- Responsible for general organization and upkeep, including replacement of materials and supplies.
- Report any issues needing timely resolution to faculty leaders of BACEM.
- Maintain records of the use and research productivity of BACEM resources.
- On a regular basis, provide assistance (when needed) with routine loading of grids into the Krios "Autoloader".

Basic/Minimum Qualifications required at time of application

- Masters or equivalent degree in Science or Engineering or related fields
- Demonstrated cryo-EM experience, including the use of high-end electron microscopes

Preferred Qualifications

- PhD or equivalent degree in Science or Engineering or related fields
- Personal experience and success in performing single-particle, high-resolution cryo-EM
- Prior experience supporting laboratory operations
- Able to multi-task easily and efficiently
- Able to prioritize tasks and work independently
- Excellent communication and interpersonal skills
- Highly motivated to facilitate the success of all persons using this equipment

Salary

Salary will be commensurate with experience. The position will be full-time for one year with possibility of renewal, with an approximate start date of July 1, 2016.

Applying

Position is open until filled. To apply, please submit your cover letter, curriculum vitae and contact information for three references through the online application system, at the following link: <https://aprecruit.berkeley.edu/apply/JPF00471>. Please direct questions to Teresa Tucker, ttucker@berkeley.edu.

All letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality (<http://apo.berkeley.edu/evalltr.html>) prior to submitting their letters.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: <http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>.