



INTERESTED IN A GREAT POST-PH.D. EXPERIENCE?
WITH MENTORING AND PROFESSIONAL DEVELOPMENT

POST-DOCTORAL OPPORTUNITIES

The Merchant Lab in the University of California
Berkeley's Institute for Quantitative Biosciences
seeks to hire a post-doctoral researcher

Mechanism of nutritional Cu signalling. The successful candidate will use reverse genetics, comparative genomics, metal sensors and reporters and biochemistry to understand how *Chlamydomonas* measures Cu availability. Experience with *Chlamydomonas*, especially molecular biology and genome engineering is desirable.

Gene targeting for reverse genetics and synthetic biology in algae. The successful candidate will develop a green alga, *Auxenochlorella*, as a platform for reverse genetics and synthetic biology. Reverse genetics and gene targeting is facile in this system. The post-doctoral researcher will reconstitute the *Chlamydomonas* Cu regulon in *Auxenochlorella*, including Cu signalling, the transcription factor and Cu sparing.

Both projects are funded by NIH

Start dates flexible, summer or fall 2022



TRACE METAL
BIOLOGY
PHOTOSYNTHESIS
PLANT BIOLOGY
SYNTHETIC BIOLOGY
GENOMICS /
PROTEOMICS
GENE EXPRESSION



Transmission electron micrograph of *Chlamydomonas reinhardtii*, one of our favorite unicellular algae

Qualifications:

- Ph.D. in a chemical or life science with no more than 2 years post-Ph.D. experience.
- Documented publication record in peer-reviewed journals.
- **We are seeking respectful, compassionate teammates with enthusiasm for learning, curiosity about the natural world, and commitment to scientific integrity.**

To apply:

- Contact sabeeha@berkeley.edu with:
- A cover letter (briefly describe your interests, educational path, and past scientific experiences, and indicate which position is of interest and why)
 - Your CV/resume with publication list
 - Contact info for 3 references