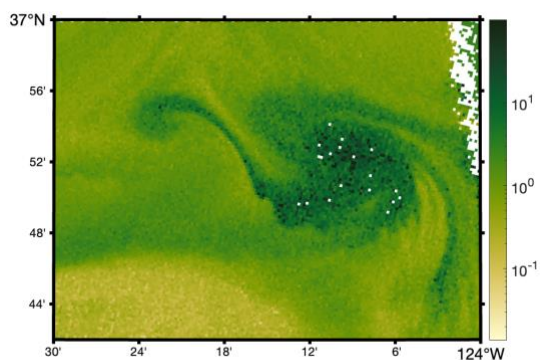


Position: Full-Time Postdoctoral Research Associate
Salary: at least \$60,000 annually plus benefits (negotiable)
Start date: May 2024

Ocean mesoscale and submesoscale processes shape the biogeochemical function of marine ecosystems. However, central questions remain about the mechanisms that lead to biogeochemical tracer fluxes (carbon and nutrient fluxes) and the ways that microbial communities mediate these fluxes.

We are seeking a full-time postdoctoral research associate with a background in oceanography, microbial ecology, chemical transport, or a related field to work with Mara Freilich at Brown University. The postdoc will be funded through S-MODE, a NASA project that aims to



characterize the contribution of submesoscale ocean dynamics to vertical and horizontal transport in the upper ocean. This postdoc project will employ a combination of remote sensing measurements of the ocean surface, in-situ measurements from research vessels — including high resolution bio-optical and microbial community composition observations —, and numerical modeling. There are the potential collaborations on other projects related to biophysical interactions as well. The postdoctoral

researcher will analyze vertical biogeochemical fluxes using observations of biogeochemical tracer distributions and microbial community composition as well as numerical simulations.

The postdoctoral researcher will benefit from professional development opportunities including mentorship by Prof. Freilich and other project collaborators as well as resources available at Brown University, such as those through the Office of University Postdoctoral Affairs, Office of Institutional Equity and Diversity, and the Sheridan Center for Teaching and Learning.

Qualifications include: a Ph.D. in oceanography, ecology, or a related field, completed prior to postdoctoral appointment start date; quantitative skills and experience with data analysis or modeling; strong writing skills and experience with submission of manuscripts to academic journals; demonstrated ability to work both collaboratively as part of a research team and independently.

To apply, please send the following by email (mara_freilich@brown.edu).

- curriculum vitae
- statement of research interests and experience
- contact information for three references

For initial consideration, materials should be received by March 2, 2024.