

Postdoctoral Research Associate: Coastal Carbon Sensor Development & Testing

The Fulweiler lab at Boston University (www.fulweilerlab.com) is looking for a postdoctoral research associate with experience using instruments and sensors for coastal and/or open-ocean field biogeochemical measurements.

Equally important, this project is about developing a novel share model and given the scope of this project, we are looking for an individual who is vested in and has experience with training a broader audience in instrument and/or sensor use. Activities will include, but are not limited to:

- Calibrate, deploy, and troubleshoot sensors
- Contribute to the development of training tools for ensuring data collection quality
- Review and assess instruments/sensors currently used in the marine environment with an eye towards meeting the needs of a share model
- Communicate project developments with a diversity of users

The postdoctoral research associate will work on an NSF-funded award titled “*CoPe: EAGER: Collaborative Research: Development of A Novel, Mobile Coastal Observatory for Quantifying Coastal Carbon Cycling by Professional and Citizen Scientists.*” This is a collaborative project with the Girguis lab at Harvard University (www.oeb.harvard.edu/faculty/girguis/) and Dr. Zara Mirmalek at the Harvard Kennedy School (<http://sts.hks.harvard.edu/people/fellows/zara-mirmalek/>).

The overarching goal of this project is to advance our knowledge of coastal ecosystems by addressing a long-standing limitation: The lack of low cost, higher performance distributed sensors that are available to a broad diversity of stakeholders (e.g., academic scientists from research and teaching institutions, government agency scientists such as fisheries scientists and water quality managers, citizen scientists). We will address this need with two new developments: A novel sensor suite and a novel stakeholder sensor share model. This project will contribute to a further understanding of coastal carbon cycling, while developing a new model for sensor sharing that will be widely applicable to other ecosystems and data collection needs.

The initial appointment is available for one year, with a possibility of renewal for an additional 6-12 months contingent upon satisfactory performance. Interested scientists should send a cover letter, their CV, up to two of their relevant peer-reviewed publications with a brief explanation as to why these publications best represent their work, and the names and contact information of three references, to Dr. Robinson (“Wally”) Fulweiler (rwf@bu.edu).

Starting date: Winter 2021. Applications accepted until June 2021. A Ph.D. in a related field is required at the time of appointment. Boston University is an equal opportunity employer, and we encourage persons of all backgrounds to apply.