Open Position - Environmental DNA and coastal systems

We are recruiting a motivated, curious scientist to work on a two year project developing and applying eDNA methods in estuarine systems in the United States. This position requires an interest and skills in developing and applying molecular methods to support management of marine systems, including sample collection, preparation, and analyses. The successful candidate will work at the University of New Hampshire with faculty in the Department of Civil and Environmental Engineering, and the Hubbard Center for Genome Studies.

You will be working with multiple stakeholders to develop and implement a collaborative eDNA-based monitoring program at 10 existing field sites. We work with resource managers to identify information needs, and to design sampling and analysis methods that can be implemented within an existing monitoring program (the National Estuarine Research Reserve). Researchers and stakeholders will work together to interpret results and refine methods. We seek a motivated candidate to lead the testing and development of laboratory analyses. The main focus of this position is on molecular lab work, but field sampling, bioinformatics and stakeholder communication are also key components. The candidate should have qualifications and interests in a combination of the following topics:

- A PhD in molecular biology, marine biology, environmental science or other relevant field. We will consider qualified candidates with a MS degree and experience.
- Molecular laboratory skills, including metabarcoding and single species (ddPCR) analyses
- Stakeholder communication and collaborative science

Other useful skills and experience include:

- eDNA in aquatic systems
- Design and testing of primers
- Marine biology or fisheries biology
- Bioinformatics and data analysis

Start date: Summer 2022. We are reviewing applications as they come in, and welcome introductory emails if you have questions or want to discuss the position before applying.

Fully funded 2yr position with benefits; salary dependent on experience.

To apply submit a CV and Cover letter to alison.watts@unh.edu. Feel free to contact us if you have questions or would like more information before applying.