

From: Malin Pinsky
Subject: Data Science Technician, Rutgers University, New Brunswick, NJ

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The Pinsky Lab in the Department of Ecology, Evolution, and Natural Resources is searching for an organized, enthusiastic, and skilled individual to work as a data science technician on a three-year project modeling the future of coral reefs and the potential for evolutionary rescue. The project is in collaboration with the Coral Reef Alliance, Dr. Daniel Schindler at the University of Washington, and other collaborators. The project is funded by the Gordon and Betty Moore Foundation.

The technician will assist the PI, a postdoc, and our collaborators by identifying, assembling, and synthesizing existing, region-specific data on coral reefs and their oceanography, ecological communities, population dynamics, evolutionary parameters, and climate in the Pacific and Caribbean. These data will contribute to regional and/or global models of coral adaptation and the potential for conservation over the coming centuries across realistically complex landscapes. Important questions to be studied include the relative role of ecological vs. evolutionary change in rapid coral adaptation, the interaction between oceanography and evolutionary processes, and the potential for conservation actions to facilitate rapid adaptation. Other duties will include assisting with data visualizations as well as project and lab logistics such as training students, preparing materials for grant reports and applications, maintaining a website, and organizing events.

The technician will be part of a dynamic research team with opportunities for professional development, presentations, co-authorship on scientific manuscripts, and collaboration with colleagues at Rutgers, U. Washington, the Coral Reef Alliance, and beyond. Rutgers offers many opportunities to interact with biologists, oceanographers, climate scientists, and other scholars in the School of Environmental and Biological Sciences, the Rutgers Climate Institute, the Institute for Earth, Ocean, and Atmospheric Sciences, and the many other institutions in the New York region.

Minimum Qualifications

- A bachelor's degree in ecology & evolution, marine biology, oceanography, climate, or a related scientific field, or an equivalent combination of education and relevant experience
- Exceptional organizational and data management skills
- Strong ability to accomplish tasks independently
- Excellent communication skills with professional colleagues
- Demonstrable skill with a scientific computing language (e.g., R, MATLAB, or Python) and with data science applications

Preferred Qualifications

- Experience with data management, including spatial data
- Knowledge of coral reef biology, ecology, or oceanography
- Experience with computer clusters and scientific computing
- Start date in summer 2017
- Experience on the Meso-American Reef or in Fiji or Indonesia

To apply, please send a cover letter that describes your interest in the position, a curriculum vitae, and the contact information for three references to Malin Pinsky

(malin.pinsky@rutgers.edu). Please combine all components of the application into a single file, and include “CORAL tech position” in the subject line. Review of applications will begin on April 14, 2017 and continue until the position is filled.

This is a full-time position, initially appointed for a period of 12 months at an annual salary of \$30,860-\$35,000 (depending on qualifications), plus health insurance, retirement contributions, and other benefits. The position can be extended for at least one year depending on performance.

More information about the Pinsky lab can be found at <http://pinsky.marine.rutgers.edu>. Please contact Malin Pinsky (malin.pinsky@rutgers.edu) if you have any questions.