



Postdoctoral Position in Marine Phytoplankton Transcriptomics

An NSF-sponsored Postdoctoral Investigator position investigating the transcriptomic response of marine phytoplankton to bacterial signaling molecules is available in the Department of Biology at Haverford College. The Postdoctoral Investigator will work as part of a collaborative team at Haverford College, Skidaway Institution of Oceanography, and the University of Rhode Island. The research will focus on the complex cellular response of *Emiliania huxleyi* to bacterial infochemicals using a transcriptomic approach complemented by quantitative PCR in order to determine gene expression patterns induced by signaling molecules present in the phycosphere. Implications for how bacterial signaling molecules drive phytoplankton population dynamics, and ultimately biogeochemical fluxes, will be explored. The Postdoctoral Investigator will work closely with the Bioinformatics Core Coordinator for the Rhode Island IdeA Network for Excellence in Biomedical Research (RI-INBRE) at the College of Pharmacy at the University of Rhode Island to carry out both transcriptomic profiling and bacterial metagenomic analysis of both laboratory and field (mesocosm) based samples.

A strong background in computational analysis (RNA-seq) and multivariate statistical analysis via GLM is required. The ideal candidate must be highly motivated and a recent Ph.D. (within the past four years). Candidates with experience in cell biology, molecular biology, oceanography, and/or ecological physiology are strongly encouraged to apply. Experience in phytoplankton culturing is desirable, but not necessary.

The initial appointment is for one year and continued funding is available for an additional 12 months contingent upon satisfactory progress. Support is provided for both workshop travel and career development. The position is available starting June 1st, and consideration of applications will begin March 1st and continue until the position is filled. Individuals from under-represented groups are especially encouraged to apply.

Required application materials include a cover letter, curriculum vitae, a two-page statement of research interests, and the names and contact information of three references emailed to Dr. Kristen Whalen (kwhalen1@haverford.edu)

Haverford College is a highly selective liberal arts college, located in the suburbs of Philadelphia, whose mission combines academic rigor and social responsibility. During their tenure of employment, the Postdoctoral Investigator will have the opportunity, if they desire, to be involved in fieldwork, teaching, and outreach opportunities during their tenure.

Haverford College is an Equal Opportunity/Affirmative Action employer that does not discriminate on the basis of race, ethnicity, religion, gender identity, sexual orientation, national origin, age, marital status, disability or veteran status. Haverford has a longstanding commitment to diversity rooted in values of inclusion and social justice, a commitment reflected in the curriculum, classrooms, and communal composition of the College. Haverford welcomes applications from candidates who share these values and who will foster their contribution to the College's mission.