

From: Falsone, Laura
Subject: Postdoctoral Research Opportunity: Marine Invasion Ecology/Ecophysiology

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A 1-year postdoctoral research fellowship with possibility of renewal is available in marine invasion ecology to examine environmental tolerance, survivorship and invasion dynamics of marine invertebrates. Investigating the role of shipping, including conditions experienced by invertebrates during transfer, will be central to this position.

Location: The position is based at the Marine Invasion Research Lab, Smithsonian Environmental Research Center (SERC), Edgewater, Maryland, USA. SERC is a research center of the Smithsonian Institution, located on the western shore of Chesapeake Bay, approximately 10 miles south of Annapolis, 40 miles west of Washington D.C., and 40 miles south of Baltimore. The Marine Invasion Research Lab (<https://serc.si.edu/labs/marine-invasions-research>) currently has a staff of approximately 40 biologists, who conduct research throughout the country and overseas, in collaboration with researchers from a variety of other institutions. This position is in collaboration with the United States Coast Guard.

Starting Salary: \$54,972 plus benefits. **Duration:** 1 year, with prospect for renewal.

To Apply: Please submit current CV, cover letter, as well as contact information (names, phone numbers, and email addresses) for 3 references. Your cover letter should be limited to 2 pages and highlight your specific interests and experience relevant to this position. Application review will begin 10 October 2017 and will continue until the position is filled. Applications should be submitted to Laura Falsone, falsone1@si.edu, Smithsonian Environmental Research Center, P.O. Box 28, Edgewater, MD 21037 USA. Email submission preferred.

Environmental Tolerance, Survivorship, Invasion Dynamics of Marine Invertebrates

Description: We currently seek a postdoctoral researcher to examine environmental tolerance of marine invertebrate species as it relates to invasion of coastal bays and estuaries, including how conditions during transit in and on ships affect invasion success. A goal of this research is to understand that capacity of organisms to (a) survive conditions in and on ships during transit and (b) colonize new global regions upon delivery. We anticipate that research will include primarily statistical and modeling approaches to estimate (predict) survivorship and potential geographic range of selected species, but with the opportunity to conduct laboratory experiments that examine the ecophysiology of invertebrate species (e.g., voyage simulation). Use of existing Marine Invasions Lab data with collection and incorporation of newly generated data are expected.

Education / Experience: PhD in Marine Ecology, Ecophysiology, Biogeography or related field. Candidates must have (a) a strong background in statistics and modeling, (b) knowledge about marine invertebrate biology/ecology/physiology, (c) background in experimental ecology or ecophysiology with experience conducting lab and or field experiments. Experience working with large, complex datasets, risk analysis, and working with environmental data for aquatic systems is desirable. Applicants must be organized, self motivated, independent and pro-active. Strong communication skills and ability to work as part of a research team are required as is a proven talent to write reports and publications. Some travel may be required.