Postdoc, Atlantic salmon ecology at Gulf of Maine Research Institute

The Gulf of Maine Research Institute is seeking applicants for a full-time Postdoctoral Research Associate position modeling relationships between Atlantic salmon and Northwest Atlantic ecosystem change. This is a twelve to seventeen month position that will be based at the Gulf of Maine Research Institute in Portland, Maine beginning in January 2019. The position may be extended contingent upon satisfactory performance and project funding.

The postdoctoral research associate will be mentored by Dr. Kathy Mills and based in the Ecosystem-Human Interactions Lab, which conducts a wide range of research to understand how climate and ecosystem change affect fish populations, communities, and fisheries; evaluate adaptation strategies to support resilient fisheries and marine ecosystems; and provide information to support decision-making in the context of environmental variability and change. This position will also routinely collaborate with colleagues at NOAA’s Northeast Fisheries Science Center.

The successful candidate will undertake analyses and modeling to investigate how changing ecosystem conditions are affecting Atlantic salmon marine survival and the potential role of growth as a mechanism mediating these relationships. In addition, he/she will play a major role in developing models to evaluate how ecosystem changes are affecting energy available to and needed by Atlantic salmon in the marine environment, and the impacts of these changes on salmon growth, survival, and productivity.

Successful candidates should have a completed (or nearly completed) PhD in fisheries science, marine ecology, oceanography, or a related field. He/she should have strong mathematical, statistical, and computing skills with previous experience developing and using ecological models (e.g., population dynamics, bioenergetics, individual-based models). Candidates should be proficient in the R and/or MATLAB programming languages. For full job description and application information, please visit [http://gmri.org/about-us/join-our-team/jobs/postdoctoral-research-associate-1](http://gmri.org/about-us/join-our-team/jobs/postdoctoral-research-associate-1). Application review will begin Nov. 1.