PhD Position in salmonid epigenetics and adaptation to captivity at George Mason University

A PhD position is available to start in Fall 2021 at George Mason University in Fairfax, Virginia. We are seeking a highly motivated prospective graduate student to investigate adaptation to captivity conditions in salmonids. This project combines a wide array of skills, including field work, bioinformatics, genomics, and transcriptomics.

The selected student will work in the lab of Dr. Ylenia Chiari (Dept. of Biology; www.yleniachiari.it). The Chiari Lab uses integrative approaches from molecular biology to behavior to computational modeling to study vertebrate ecology and evolution. This project is in collaboration with Dr. Gordon Luikart (Flathead Lake Biological Station, University at Montana) and Dr. Matt Boyer (Montana Fish, Wildlife and Parks) and includes the possibility of conducting field work sampling wild and captive fish in the Rocky Mountains of Northwest Montana with wild biologists from the University of Montana and Montana Fish, Wildlife and Parks. Successful candidates will have some previous research experience and a strong interest in ecology and evolution. Candidates interested in fisheries are encouraged to apply. Some background or experience in molecular laboratory techniques and/or bioinformatics and field work is encouraged. The Chiari Lab is committed to promoting and supporting diversity and a multicultural environment and we encourage underrepresented students to apply.

Support will be provided through a teaching assistantship. However, the successful candidate will be expected to apply for graduate fellowships during his/her PhD. Prospective students should send a short description of their research interests, past research experience, and a description of why they are interested in this project and in joining the Chiari Lab along with a resume or CV (including the names of three people who could serve as a reference on your behalf) to ychiari@gmu.edu. Selection of candidates will begin immediately.

For information about the program, please visit https://catalog.gmu.edu/colleges-schools/science/systems-biology/biosciences-phd/