

Ph.D (or M.Sc.) student position (Canada)



At least one graduate student position is available with Dr. Craig Purchase at Memorial University, in St. John's, Newfoundland, Canada.

We conduct research on a variety of marine and freshwater fishes. Lab research includes life history variation, phenotypic plasticity, local adaptation, sperm & egg quality, habitat selection and conservation biology. The current focus is on gamete interactions/ecology in external fertilizers, including the roles of natural (water chemistry/temperature) and post-copulatory sexual selection (female chemical cues) on sperm.

For more information on my research program visit www.uccs.mun.ca/~cfpurchase

I will take a PhD student whose research project would address evolutionary ecology questions related to fish reproduction, and will likely focus on aspects of sperm biology. It is not an aquaculture-oriented project, nor ecological monitoring. The research is lab experimental based, with some collection of parent fish from the field. Much (or all) of the work will focus on salmon. I am most interested in motivated students who have backgrounds in sexual selection or sperm biology (any taxa), with the next most desirable being fish reproduction or salmon biology. I have 2 new MSc students who will begin May 2018 and also work under this framework with salmonids.

Depending on success of some additional funding proposals, there may be options for additional MSc students to work on other fish ecology projects. These may or may not be on salmon. Two proposals are in review now (March 2018), while 1-2 others will be submitted in fall 2018.

A PhD student will receive a financial package of at least \$80,000 (strong students are likely to obtain significantly more). My institution has the lowest tuition in Canada (an immigration strategy). Interested students should send a cover letter, CV, and unofficial copy of transcripts to cfpurchase@mun.ca. Review of applications will continue until the position(s) is filled.

Cheers

Craig