

## **M.Sc. Studying Walleye Movement and Mortality Risk in Lake Winnipeg**

We are recruiting a motivated M.Sc. student to join an interdisciplinary team at the University of Manitoba to study the relationship between walleye movement, stress, and mortality risk in Lake Winnipeg. The prime location for this work is the laboratory of Dr. Darren Gillis, in close association with Drs. Jason Treberg, and Ken Jeffries at the University of Manitoba. In collaboration with Fisheries and Oceans Canada, individually tagged walleye (from distinct spawning regions) will be non-lethally sampled for physiological indices and their movement monitored using a comprehensive acoustic receiver array throughout the Lake Winnipeg drainage basin. The student's primary focus will be to implement and select among alternative methods of fish path reconstruction for correlation with physiological and transcriptomic analysis from the sampled fish. The applicant should have an interest in fish biology, fisheries ecology, and good quantitative skills. Familiarity with the R statistical language is desired and experience with Bayesian analysis would be an asset. The successful applicants will be part of a larger collaborative project that includes fish physiologists and ecologists at the University of Manitoba, researchers from Fisheries and Oceans Canada, Manitoba provincial fisheries biologists and fisheries ecologists at the University of Nebraska Lincoln.

This position will have a start date on or very near April 1, 2018. If you are interested in this position please send a pdf file containing: i) confirmation of interest and availability for the above start date and ii) an up-to-date CV, including at least 2 individuals that we could contact as references, to: [dgillis@umanitoba.ca](mailto:dgillis@umanitoba.ca)

**Dr. Darren Gillis**  
Department of Biological Sciences  
University of Manitoba  
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