

**From:** Jonathan Ruppert  
**Subject:** Ph.D. & M.Sc. Positions – Fisheries productivity in northern boreal lakes

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Enthusiastic, team oriented, and self-motivated students are encouraged to apply for a Ph.D. and MSc positions to conduct research on fisheries productivity in boreal freshwater ecosystems. This project is a multi-disciplinary collaboration between the University of Alberta, industry, government and other sponsors. The main project goals include: i) community assembly in boreal lakes, ii) modelling food-web dynamics, iii) effects of climate change on fish production, iv) determining best practices in monitoring and measuring, v) primary production in lakes, and vi) developing field based studies to determine causative relationships between age and growth and other life history characteristics in relation to differing lake environments. These research projects are fully funded and will provide key insights into how to develop habitat offsets for fisheries, a new and emerging field in restoration and conservation biology. Applicants will be under the supervision of Dr. Mark Poesch, but will interact regularly with scientists and team members in industry, provincial and federal governments.

Ph.D. applicants must have a graduate degree in Biology, Ecology, Zoology, Evolutionary Biology, or a related field. Ideally, the same would be an asset for MSc applicants. Applicant must have a high overall GPA (especially in related courses). Experience with ecological modeling, freshwater fish ecology, database management, and programming skills are considered an asset. Applicants should clearly articulate how this research will build on your existing experience, specific skills and provide a date of availability. Applicants interested in this position, please send an email to Dr. Mark Poesch (poesch(at)ualberta.ca) with a cover letter identifying research interests, CV, transcripts (unofficial accepted), writing sample, and a list of three references.

Please note review of applications will commence on May 1, 2017 and the competition will remain open until the position is filled. The ideal start date is September 1, 2017, but other arrangements (for earlier or later start dates) can be made.

The University of Alberta was recently rated as Canada's fourth best university, and 86th across universities worldwide. Located in Alberta's capital city, Edmonton (population of 1.2 million people), the University of Alberta provides a dynamic mixture of a large research intensive university, urban culture and recreation. More than 39,000 students from across Canada and 144 other countries participate in nearly 400 programs and 18 faculties.

**Contact Information:**

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