PhD Opportunity in Littoral Zone Ecology and Carbon Dynamics at the Cooperative Freshwater Ecology Unit at Laurentian University, Sudbury, Ontario

Research Topic: Understanding the effects of invasive macrophyte species (e.g. Eurasian milfoil) on the storage and flux of greenhouse gases, as well as the recovery processes of benthic invertebrate and fish communities in the littoral zone of severely damaged lakes undergoing chemical and biological recovery.

The ideal candidates will have a strong academic background and proven publication record in aquatic ecology and limnology, with an interest in the impact of invasive species on the biogeochemistry of aquatics systems, population and community responses to environmental change, restoration ecology as well as terrestrial-aquatic linkages. Guaranteed GTA and competitive NSERC level stipends as a PhD student are available.

Projects will draw on long-term (>30 years) lake monitoring data from the Sudbury, Canada area but will also incorporate a range of novel experimental work and data collections. These projects are part of a large multi-university NSERC CRD/OCE program (L-CARE) examining the storage and flux of carbon in severely damaged ecosystems undergoing recovery. It involves more than 14 graduate students and post-docs in a highly collaborative research effort.

Positions will be supervised by Dr. John Gunn, Canada Research Chair in Stressed Aquatic Systems at the Cooperative Freshwater Ecology Unit (https://laurentian.ca/cooperativefreshwater-ecology-unit),located at Laurentian University's Vale Living with Lakes Centre (http://www3.laurentian.ca/livingwithlakes/) in Sudbury, Ontario (https://www.greatersudbury.ca/). Additional co-supervisors from the multi-disciplinary team will also be added to further support the student and specific needs of the project. Relevant papers to review prior to submission:
http://onlinelibrary.wiley.com/doi/10.1002/eap.1609/full
https://www.nature.com/articles/ncomms5077
https://academic.oup.com/aob/article/105/1/141/245862
http://www.aquaticinvasions.net/2017/AI_2017_Grutters_etal.pdf

Please email a letter of interest, your CV, a copy of your academic transcripts (unofficial copies are acceptable), and the names of three references to Dr. John Gunn jgunn@laurentian.ca. Applications will be reviewed beginning Nov. 23/2018 and the position will remain open until filled.

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John Gunn

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