PhD position on ecosystem spatial dynamics

This project is offered in co-supervision between the Université de Montréal's Meta-Ecology lab (led by Eric Harvey) and the aquatic ecology lab (Beatrix Beisner, UQAM).

We are looking for a doctoral student to conduct experimental research (in aquatic mesocosms) on the dynamics of the coupling between ecosystems. We want to better understand how variations in frequency / magnitude and quantity / quality of resource flows influence the structure of biotic communities and the functioning of the ecosystems that receive these pulses of nutrients.

Several anthropogenic disturbances can potentially influence the dynamics of resource flows between ecosystems (climate change, agriculture, forest management). This project will therefore eventually anticipate some of these changes and help to better understand how a very localized disturbance can potentially have ramifications and cascading impacts across a whole landscape.

It should be noted that several projects are possible depending on the specific interests of the candidate. The student will be part of the GRIL (Groupe Interuniversitaire en Limnologie), a group of researchers in freshwater ecology. As a GRIL student member, the candidate will have access to several training opportunities, the expertise of 53 researchers and 175 colleagues as well as an annual symposium.

Starting Date: Flexible (between Spring and Fall 2020)

Qualifications: Candidates should have a MSc in biology or related discipline. Existing zooplankton, macro invertebrates or protist identification and counting skills are an advantage, but more generally curiosity and willingness to learn is most important.

Stipend: Salary of $18 000 to $21 000 per year for 3 years; applicants should also plan to apply for other scholarships (e.g., NSERC and FRQNT).

To apply: Interested applicants should send their CV and a cover letter outlining their research interests to eric.harvey@umontreal.ca

To learn more about the philosophy of the lab, please visit our website: http://www.metecolab.org