

From: Dr. John S. Richardson
Subject: Post-doctoral fellow for ecosystem modeling

Post-doctoral Fellow: Process-based modelling of responses of small streams to reach-scale and catchment-scale disturbance

University of British Columbia, Vancouver, Canada

Closing date for applications: 17th February 2017 Start date: 1st May 2017 or soon thereafter

We are seeking a Post-Doctoral Fellow for a collaborative project between University of British Columbia, Swedish Agricultural University (Umeå, Sweden) and University of Oulu (Finland), to develop process-based models for interactions between small streams and surrounding forests, as well as catchment effects from forestry. The processes of interest include hydrology, geomorphology, chemistry & biology, although we appreciate that most candidates will not be expert in all fields.

The ideal candidate will have excellent quantitative skills in process modelling, and expertise with flowing-water ecosystems, especially their hydrology, geomorphology or biology. Ability to program in a language such as R or Matlab would be highly desired, as would experience with ecosystem model platforms and spatial statistics with GIS. The most qualified applicants will have relevant experience, expertise in biological and physical processes in streams, and a strong interest in stream and riparian systems and disturbance.

Evidence of successful participation in team projects would be helpful. Applicants must have completed and defended their Ph.D. by the start of the appointment. Previous peer-reviewed scientific publications are highly desirable. Interested applicants should submit the following:

- 1) Cover letter, C.V., and the names and contact information for three references
- 2) Unofficial transcripts
- 3) Examples of your published work

Funding is available for one year, with a second year for reappointment pending satisfactory performance. Only those called for interviews will be contacted.

The position will mostly involve modelling work at the University of British Columbia, but also require international travel to meetings with partners. The position will involve limited field research in a number of locations in southern British Columbia. The Post-Doctoral Fellow will be based at the University of British Columbia under the supervision of John Richardson. UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply. However, Canadian citizens and permanent residents in Canada will be given priority. We especially welcome applications from members of visible minority groups, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to engage productively with diverse communities.

For more information or to apply, contact:
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