University of Northern British Columbia

Competition 13-101AC

Post Doctoral Fellow – PTP Soil Monitoring Project
(Full time, Term – 2 years)

This project will support one post-doctoral fellow who will address a research topic related to monitoring of soil microbial impacts of the Pacific Trails Liquid Natural Gas Pipeline. The position will begin Aug 2, 2013 (or sooner if possible) and applications will consist of a cover letter with your expression of interest and experience in soil microbial biodiversity monitoring using DNA sequencing (particularly Next Generation Sequencing) technologies, a curriculum vitae, and the names of two potential references. The position will be based at the University of Northern British Columbia (UNBC) situated in Prince George, British Columbia, Canada.

Project Details

The Pacific Trails Liquid Natural Gas Pipeline will run from NE British Columbia to Kitimat on BC's west coast. The company is committed to monitoring of ecological impacts of pipeline construction and plan to implement a long-term monitoring program. This initial project will test, develop and evaluate protocols for monitoring of microbial (bacterial, archeal and fungal) biodiversity and changes in community structure based upon Next Generation Sequencing technologies. The successful candidate will implement a microcosm study with different levels and types of soil disturbance and monitor changes in these microcosm communities.

This post-doctoral fellowship is part of a larger project that includes many UNBC researchers coordinated by a Research Manager. You will coordinate with other researchers on developing the NGS platform, data management, and bioinformatics resources.

Qualifications

The successful candidate will:

- possess a doctoral degree (awarded within the last five years) in a bioscience program involving molecular analysis of microbial communities, preferably with experience in large-scale DNA-sequence analysis
- have the ability to work independently
- have excellent organizational and problem solving skills
- be proficient with Microsoft Word and Excel
- have experience with statistical and exploratory data analysis of biodiversity and community structure
- have the capacity to lead substantial research activities and to prepare peer-reviewed publications.
- have the ability to be fully engaged and to collaborate with a large network of researchers
- be willing to travel for collaborative research opportunities.

Salary

The annual salary will be $53,000 per year. A generous benefits package will also be provided with this position. The position will begin Aug 2, 2013 or as soon as possible.

Hours of work will be coordinated in consultation with Dr. Keith Egger.

To Apply:

Please forward your resume and proof of education quoting competition #13-101AC to:
Human Resources, University of Northern British Columbia,
3333 University Way, Prince George, BC, V2N 4Z9

Email submissions: HRecruit@unbc.ca
Inquiries: (250) 960-5521

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Northern British Columbia is committed to employment equity and encourages applications from women, aboriginal peoples, persons with disabilities and members of visible minorities.

We thank all applicants for their interest in UNBC however, only those applicants selected for further consideration will be contacted.

First review of applications will take place after July 15th, 2013.
Applications will continue to be accepted until the position is filled.