

The Department of Chemical & Biological Engineering (CHBE) at the University of British Columbia (UBC), Vancouver campus invites applications for a full time Postdoctoral Research Fellow position. The initiate appointment will be for 12 months. It will be extended to 2 years based on excellent performance. The anticipated start date is as soon as possible.

The postdoctoral research fellow will be working in the area of applying metagenomic data to development of novel environmental biotechnologies for mine site remediation. The ideal candidate will hold a PhD in Chemical and Biological Engineering or Environmental Engineering, or another closely related discipline. Candidates with a solid foundation in biochemistry, microbiology, statistics, reaction kinetics and reactor design will be preferred.

The postdoctoral fellow will interact with the University of British Columbia BRIMM (Bradshaw Research Initiative in Mining and Metals) Mining Microbiome Professors to conduct research on novel biotechnologies that can be derived from metagenomic data. These data are being collected from several mine sites across a variety of use cases, some of which are related to source control, water treatment and tailings stabilization.

The candidates must be obtained PhD degree within the last five (5) years by the start of their appointment. The ideal candidate will be familiar with the mining industry and have background experience working a mining-related project. The postdoctoral fellow will research how microbial metabolisms can be used to develop effective and sustainable biotechnologies outside of traditional processes to shift the mining industry towards improved better environmental stewardship.

We will provide a competitive salary with benefits based on the candidate's qualifications and experience. Interested and qualified candidates can send their cover letter, curriculum vitae, example work, and contact information for at least 3 referees as a single PDF to sue.baldwin@ubc.ca.

Review of applications will begin September 6, 2021 and continue until the position is filled.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person. All qualified candidates are encouraged to apply; however Canadians and permanent residents of Canada will be given priority.