



The Environmental Systems Engineering group within the Department of Civil Engineering at the University of British Columbia is seeking a postdoctoral researcher to help develop sustainable anaerobic biotechnologies for main-stream municipal wastewater treatment.

The research projects will employ a multidisciplinary approach, involving microbial characterization with shotgun metagenomics, metatranscriptomics, high-throughput amplicon sequencing, FISH, and quantitative-PCR. The postdoctoral researcher will also be responsible for integrating anaerobic bioreactor operational data with the molecular microbiology analysis, including modeling and statistical analysis. The candidate will be located at UBC in Vancouver, BC. The candidate may also be involved in the training and mentoring of graduate students.

Applicants should hold a PhD in environmental engineering, environmental microbiology, or a related area, with a background in biological wastewater treatment, anaerobic treatment, molecular microbiology methods, and bioinformatics. The ideal candidate will have a strong background in bioinformatics including the analysis of multi-omic data. The candidate should also be independent, self-motivated, have good oral and written communication skills, be well organized and be a team player.

Applications, including a CV, copies of two relevant publications, and the names, e- mails, and phone numbers of three referees should be sent to:

Dr. Ryan Ziels (ziels@mail.ubc.ca)

A one-year appointment will begin as soon as a suitable candidate has been identified; the appointment can be extended for one or more years.

*UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply; however, Canadians and permanent residents will be given priority.*