POSTDOCTORAL POSITION IN
Environmental Biotechnology Laboratory

A postdoctoral research position is available to develop engineered bioprocesses for side-stream and main-stream municipal wastewater treatment. Extensive research will be carried out using molecular biology tools including PCR/cloning, pyrosequencing, FISH and quantitative-PCR. The ideal candidate is also expected to assist with various research needs in a molecular laboratory, including but not limited to method development and validation, problem-solving, and training of graduate students.

The ideal candidate should demonstrate the he/she meets the following qualifications:

- A PhD degree in Environmental Engineering or Environmental Science with a solid understanding of microbiology is required
- Applicants hold a PhD degree in Microbiology with research background related to water and wastewater treatment are also eligible
- At least three years of hands-on experience working with water/wastewater samples in a molecular laboratory is required
- Demonstrated problem-solving ability in a molecular laboratory is needed
- A strong research background in biochemical municipal wastewater treatment processes, in particular energy and/or nutrient recovery is highly desired
- Solid understanding and demonstrated ability to apply studies on microbial growth kinetics, or nitrogen/sulfur cycle is an asset
- A strong track record of refereed journal publications
- The ability to work independently
- Strong written and oral communication skills
- Solid knowledge of advanced statistical approaches for analyzing complex molecular datasets are highly desirable

The successful candidate will work in the Department of Civil and Environmental Engineering with Dr. Yang Liu. The candidate will be expected to assist in the training and mentoring of graduate students and writing research proposals. Teaching experience can be arranged if desired.

The appointment will begin in September 2018 or as soon as the position is filled, for an initial appointment of one year, but renewal for up to two additional years upon satisfactory performance. A competitive stipend will be awarded commensurate with experience.

To Apply:
Please send a cover letter, CV, the names and contact information (address, phone number and email address) of three referees and one most relevant sample publication to us, click here.

Closing date:
Position open until filled.
We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.

The University of Alberta offers appointments on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities and Aboriginal persons.