



COLLEGE of BIOLOGICAL SCIENCE

DEPARTMENT OF MOLECULAR
AND CELLULAR BIOLOGY

July 5, 2021

The Vahidi Lab at the Department of Molecular and Cellular Biology, University of Guelph is hiring a full-time Research Associate

We are looking for a self-motivated and organized Research Associate (RA) to join our dynamic research team (vahidilab.ca). We aim to disrupt proteasome-mediated protein degradation to eliminate drug-resistant strains of *Mycobacterium tuberculosis*. **The successful candidate will integrate mycobacterial ORBIT recombineering with mass spectrometry-based structural biology (e.g. BioID, H/D exchange).** A significant portion of the RA's time would involve working closely with graduate and undergraduate students on a wide array of projects. The position is full-time (35 hours/week) and is within the Grant & Trust Professional (GTP) Staff Salary Band 02. Salary commensurate with qualifications and experiences will be offered. The start date is negotiable but preferably no later than September 2021.

Minimum qualifications:

- A MSc or a PhD degree in a relevant discipline (e.g., Microbiology, Biochemistry, Bioanalytical Chemistry). At least one year of previous research experience is preferred
- The successful applicant will have technical expertise in:
 - Molecular biology and genetic skills to culture, clone, transform, and genetically manipulate *Mycobacterium smegmatis*
 - Experience with liquid-chromatography mass spectrometry is considered a major asset

Typical duties may include some or all of the following:

- Leading projects involving *in vivo* tagging and purification of endogenous *Mycobacterium smegmatis* protein complexes for structural and functional studies
- Performing experiments and actively supporting the research of fellow lab members
- Developing and optimizing laboratory protocols and experimental procedures
- Analyzing data and maintaining electronic lab manuals and protocols
- Operating, maintaining, and troubleshooting problems with lab equipment
- Enforcing laboratory safety rules, environmental, and biosafety protocols
- Contributing to the general upkeep of the lab
- Contributing to scientific publishing including writing manuscripts, grant proposals, and production of manuscript figures
- May schedule, assign, and check work performed by other lab members

How to apply: Please send a cover letter, CV, and the contact information for three references to Dr. Siavash Vahidi <svahidi@uoguelph.ca>. Applicants will be notified prior to contacting the references.

The University of Guelph resides on the ancestral lands of the Attawandaron people and the treaty lands and territory of the Mississaugas of the Credit and we offer our respect to our Anishinaabe, Haudenosaunee and Métis neighbours as we strive to strengthen our relationships with them.

At the University of Guelph and in the Vahidi Lab, fostering a culture of inclusion is an imperative. We invite and encourage applications from all qualified individuals, including from groups that are traditionally underrepresented in higher education.

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