

Position Title: Technician or Postdoctoral Fellow – Microbiology/ immunology

Overview: The two-year project is on the design and development of peptide epitopes for application in immunoassay platform is available Dr. Lucy Mutharia's Lab at the University of Guelph and in collaboration with Pro-Lab Diagnostics Inc., Richmond Hill, Ontario. Limited travel maybe required between the two locations for project needs. The project will identify B-cell epitopes on specific proteins of Mycobacterium paratuberculosis, design single and composite epitope peptides for synthesis and screen the peptides with selected antibodies. Our goal is to apply selected peptides for the development of a platform for antibody-based diagnosis of Johnne's disease.

Qualifications

- MSc or Ph.D. in Biochemistry, Microbiology or a related discipline and experience in bioinformatics
- Effective time management , highly organized and detail oriented
- Publication record (optional for MSc)
- Excellent writing, reading and oral communication in the English language

Asset Skills

- Experience in mentoring trainees
- Understanding of immune responses and antigen-antibody interactions
- Experience with use of bioinformatic tools
- Experience in protein expression and purification.

How to Apply: Submit an application to lmuthari@uoguelph.ca . The application includes- a cover letter, a Curriculum Vitae, names and contacts (phone number & email) of three academic/professional references (familiar with your experience in the above areas). Applications will be accepted until a suitable candidate is found.

The University of Guelph is committed to equity in its policies, practices, and programs, supports diversity in its teaching, learning and work environments, and ensures that applications for members of underrepresented groups are seriously considered under its employment equity policy. All qualified individuals who would contribute to the further diversification of our University community are encouraged to apply.