Postdoctoral Fellowship

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.

Forbes Ranks U of G Among Canada's Top Employers [1]

Postdoctoral Fellowship

Department of Integrative Biology, Biodiversity Institute of Ontario

Temporary full-time for 1 year

Hiring #: 2016-0315

The Biodiversity Institute of Ontario, University of Guelph, seeks a highly motivated researcher for a one year Postdoctoral Fellow position. The researchers will work with department faculty and graduate students on developing novel molecular assays for point-of-need detection of environmental DNA (eDNA) that is shed into the aquatic environment by various fresh water species at risk (SAR) in Canada.

The position is funded through NSERC’s Idea-to-Innovation program in partnership with the University of Guelph’s Biodiversity Institute of Ontario (BIO). The BIO supports a collaborative work environment with excellent ecological-genomics facilities where candidates will have the opportunity to work closely with academic researchers and industry partners.

The project is focused on developing and validating molecular methods for use with various point-of-need detection platforms that utilize loop mediated isothermal amplification (LAMP), end-point and quantitative polymerase chain reaction (PCR) technologies. The successful candidate will have a strong background in molecular biology, experience with advanced DNA isolation/purification/concentration methods and sound knowledge of the principles behind PCR and LAMP assay development (e.g. primer/probe design and reaction optimization). The objective is to develop novel detection kits that can be used for SAR habitat occupancy monitoring. Familiarity with eDNA methods and environmental biodiversity monitoring would be an advantage. Experience working with point-of-need diagnostics instruments is an asset. The candidates should have a good publication record and the ability to work well both independently and in a collaborative research environment. Salary is competitive and commensurate with experience. The position is available immediately and while it is initially for one year, potential for renewal exists pending progress and available funding.

Applications, including a CV, brief statement of research interests and three professional/academic references (with contact details) should be emailed or sent to:

Dr. Robert Hanner
Biodiversity Institute of Ontario
Bldg. 135, Room 217
University of Guelph
Guelph, Ontario, Canada N1G 2W1
Email: rhanner@uoguelph.ca [2]

The application deadline is August 31st, 2016 or until suitable candidates are found.
Email rhanner@uoguelph.ca [2] for questions regarding this position.

For more information:
University of Guelph: www.uoguelph.ca [3]
Biodiversity Institute of Ontario: www.biodiversity.uoguelph.ca [4]

All qualified candidates are encouraged to apply; however, Canadian and permanent residents will be given priority.

**Posting Date: 2016 08 05**  
**Closing Date: 2016 08 31**