

JOB POSTING – POSTDOCTORAL FELLOW

Area of Research: A postdoctoral position is available in the laboratory of Dr. Goetz Ehrhardt at the University of Toronto. Dr. Ehrhardt's laboratory is focusing on harnessing the VLR antibodies of the evolutionary distant sea lamprey for biomarker discovery approaches. Unlike conventional antibodies, the VLR antibodies of the sea lamprey use the beta-sheet forming leucine-rich repeat as basic structural unit. The resulting distinct protein architecture and the large evolutionary distance of jawless vertebrates suggest that VLR antibodies may bind to epitopes that conventional antibodies cannot readily recognize for structural or tolerogenic reasons. We are investigating the use of monoclonal VLR antibodies to specifically detect lymphocytic cell populations to which no conventional antibodies have been isolated. The candidate's project is directed towards biomarker discovery targeting memory B cells and plasma cells.

Description of duties: Further development of a research program aimed at the development of nonconventional VLR antibody technology. Working independently, the incumbent will be responsible for managing his/her own project as well as assisting other trainees with their projects when required.

Salary: Starting salary is \$41,000 per annum (plus benefits).

Required qualifications: The successful candidate should be highly motivated and hold a recent PhD in Immunology or a related discipline. Solid background in molecular and cellular biology techniques is required. Experience in working with library display systems (yeast display, phage display) will be of advantage.

Application instructions: All individuals interested in this position must submit a covering letter describing research experience and interests, a CV and contact information for two referees to Dr. Goetz Ehrhardt (goetz.ehrhardt@utoronto.ca) by the closing date.

Posting Date: December 6, 2016

Closing date: December 13, 2016 (*will remain open until filled*)

Supervisor: Dr. Goetz Ehrhardt

Expected start date: February 01, 2017

Term: The initial term of the contract will be for one year with the possibility of renewal.

FTE: 100%

Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement. This employment opportunity is posted in accordance with the CUPE 3902 Unit 5 Collective Agreement.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.