The Watts lab at the University of Toronto (https://immunology.utoronto.ca/faculty/tania-watts) is seeking a talented post-doctoral fellow to work on mouse models to investigate the role of TNFR superfamily members in generation of long term memory to viruses and cancer.

Experience working with mouse models to study immunity as well as experience in analysis of immune cells by multiparameter flow cytometry is essential.

Experience in analysis of single cell RNA-sequencing data would be an asset. The ideal candidate will be an enthusiastic self-starter, willing to learn new things and interested in conducting both mouse intensive research as well as learning bioinformatics approaches to analyze their data. Candidates should have obtained a PhD in immunology or related area within the last 3 years and have at least 1 first author research paper.

Area of Research: Immunology
The applicant will join a dynamic and exciting research team studying regulation of T cell responses in viral infection and cancer. We are interested in recruiting a post doc to work on a project aimed at understanding the requirements for generating long-lived immunity in the respiratory tract. There is also a possibility to work in the cancer area as well.

Description of duties: The applicant will use a variety of in vivo models including mixed bone marrow chimeras and unique knock-out mouse models and employ single cell methods such as high parameter flow cytometry and single cell transcriptomics to study regulation of T cell immunity in viral infection and cancer. For more information on the Watts lab see: https://immunology.utoronto.ca/faculty/tania-watts

Salary: 60,000 per annum plus fringe benefits

Required qualifications: You have recently (within last 3 years) completed a PhD or equivalent in the Biological Sciences. A strong foundation in immunology, through prior education or experience, with technical experience studying
immune cells in mouse models using multi-parameter flow cytometry. Expertise in or interest in learning how to analyze single cell transcriptomics data is desired.

**Application instructions**

Individuals interested in this position must submit a CV and a cover letter indicating their research interests, along with the names of 3 references (to be contacted only after permission given by applicant), by e-mail to: tania.watts@utoronto.ca

**Closing date:** June 15, 2023 or until filled

**Supervisor:** Tania Watts, PhD

**Expected start date:** July to August, 2023 (negotiable).

**Term:** 1-year initial term, with possibility of extension to 3 years.

**FTE:** 100%

This is a full time ~40hrs/week position. The position requires some flexibility in hours as some experiments require staying longer on particular days.

*Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement.*

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The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons/persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.