



Ph.D. and/or Postdoctoral trainee positions in Mucosal Immunology & Host Pathogen Interaction

Role of CFTR in hematopoietic cell functions during mucosal immune challenge

Project Description

The project(s) to be undertaken will explore the roles of the cystic fibrosis transmembrane conductance regulator (CFTR) during mucosal immune challenge. We are specifically interrogating the role of CFTR in hematopoietic cells (DCs, T cells) in the intestine and lung during infection and decipher the cellular mechanisms involved.

Qualifications / Required Skills

The ideal candidates have a M.Sc. or PhD (or equivalent), and are well-versed in basic microbiology and immunology techniques including tissue culture, mouse models, isolation of primary cells, qRT-PCR and flow cytometry. Additional background in RNA sequencing analyses are of advantage. The candidates should have excellent communication skills and be able to work both independently and as effective members of a collaborative and growing team.

Additional Information

Applicants should submit, preferably by e-mail, their curriculum vitae, a brief statement of research interests, and names and contact information of three references to Jörg Fritz and Samantha Gruenheid using the contact information provided below. The review of applications will begin immediately and continue until the positions are filled. Position(s) can be filled immediately.

Salary: Competitive and commensurate with experience and sought expertise. Successful candidates are however expected to apply to all possible fellowship applications to secure their independent salary support.

Contact Information

Jörg Hermann Fritz, Ph.D.
Associate Professor

Samantha Gruenheid, Ph.D.
Professor and Associate Chair, Education

McGill University
Dept. of Microbiology and Immunology, McGill Life Sciences Complex
Bellini Pavilion Room, 3649 Promenade Sir-William Osler, Montreal, Quebec, Canada H3G 0B1
email: jorg.fritz@mcgill.ca, samantha.gruenheid@mcgill.ca