CURRENT RESEARCH OPPORTUNITIES

Graduate Program: Anatomy & Cell Biology, Biochemistry, Epidemiology and Biostatistics, Family Medicine, Medical Biophysics, Microbiology & Immunology, Pathology & Lab Medicine, Physiology & Pharmacology, Neuroscience, Surgery

Research Cluster(s): Roles of innate-like T lymphocytes in host responses to viral pathogens and psychological stress

Supervisor(s): Dr. M. Haeryfar

Keywords: immunology, T cells, SARS-CoV2, stress

Vacancies: 2

MSc/PhD or Postdoc Available?: PhD (4-5 years)

Description: We have two PhD project openings. One project focuses on the role of specialized T cells in COVID-19 infection. The student will be examining the protective potentials of MAIT cells in mouse SARS-CoV2 infection models and whether their specific agonists could be used as a treatment or as a vaccine adjuvant. Our second project examines the effect of psychological stress on T cells. The student will use mouse models and ChIP sequencing to investigate how stress affects the localization and function of T cells. We are looking for students with backgrounds in immunology and molecular biology.

To Apply: Applicants must independently apply to the program using the online Western application portal, including a clear reference to the supervisor

Application Deadline: None at this time

Contact Information: Questions regarding the application process, or inquiries about the program may be addressed to the Academic Programs Coordinator, for more information about the description/design of the project, you may contact Dr. Haeryfar directly: Mansour.Haeryfar@schulich.uwo.ca
CURRENT RESEARCH OPPORTUNITIES

Graduate Program: Anatomy & Cell Biology, Biochemistry, Epidemiology and Biostatistics, Family Medicine, Medical Biophysics, Microbiology & Immunology, Pathology & Lab Medicine, Physiology & Pharmacology, Neuroscience, Surgery

Research Cluster(s):

Supervisor(s): Dr. Martin J. McGavin

Keywords: Staphylococcus aureus; lipid metabolism; antimicrobial fatty acids; colonization; skin and soft tissue infection

Vacancies: 1

MSc/PhD or Postdoc Available?: MSc (2 years)

Description: A two year postdoctoral position with possibility of renewal for a third year is available. The candidate will lead and contribute to original research on a CIHR funded project that will evaluate sensing and metabolism of host lipids by Staphylococcus aureus as a means of promoting colonization and infection. The candidate will also contribute to student supervision, writing research and review articles, and will represent the lab by attending one international meeting per year.

To Apply: Applicants must independently apply to the program using the online Western application portal, including a clear reference to the supervisor.

Application Deadline: None at this time

Contact Information: Questions regarding the application process, or inquiries about the program may be addressed to the Academic Programs Coordinator, for more information about the description/design of the project, you may contact Dr. McGavin directly: mmcgavin@uwo.ca