CURRENT RESEARCH OPPORTUNITIES

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

Research Cluster(s): Immunology, leukemia research

Supervisor(s): Dr. Rodney DeKoter

Keywords: Leukemia, gene regulation

Vacancies: 2

MSc/PhD or Postdoc Available?: MSc/PhD (2 year duration)

Description: New MSc or PhD students are sought to work on a leukemia research project. The major goal of the project is to determine the mechanism by which recurrent driver mutations in Janus Kinases 1 and 3, as well as in the transcription factor Aiolos (Ikzf3) cooperate with deletion of genes encoding PU.1 and Spi-B, to drive leukemia. Our research utilizes innovative mouse models as well as gene transfer techniques.

To Apply: Applicants must independently apply to the Microbiology & Immunology 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. DeKoter directly: rdekoter@uwo.ca
CURRENT RESEARCH OPPORTUNITIES

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

Research Cluster(s):

Supervisor(s): Dr. Michael Fruci

Keywords: Antibiotic resistance, co-selection, environment, herbicides

Vacancies: 1

MSc/PhD or Postdoc Available?: MSc (2 year duration)

Description: Please see links below for more detail regarding the available MSc research position:

To Apply: Applicants must independently apply to the Microbiology & Immunology 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. Fruci directly: michael.fruci@canada.ca
CURRENT RESEARCH OPPORTUNITY FOR THE MICROBIOLOGY & IMMUNOLOGY PROGRAM

Graduate Program: Microbiology & Immunology
Research Cluster(s): HIV
Supervisor(s): Dr. Art Poon
Keywords: Bioinformatics, phylogenetics, virus evolution, HIV, molecular epidemiology
Vacancies: 2 (see below)
MSc/PhD or Postdoc Available?: Masters, Doctoral

Description: Graduate positions are available in the Poon lab to investigate the evolution of HIV-1 within hosts through the development and application of new phylogenetic methods. Prospective students must have prior experience in computer programming and working through a command line interface (if granted an interview, applicants should expect to be tested on their ability to code). Previous training in molecular evolution, probability and stochastic processes through undergraduate or graduate courses is recommended.

To Apply: Applicants must independently apply to the Microbiology & Immunology program using the online Western application portal, including a clear reference to the supervisor (Please insert anything needed in addition to the traditional application)

Application Deadline: N/A

Contact Information: Questions regarding the application process, or inquiries about the program may be addressed to the Academic Programs Coordinator, if trainees have questions with regard to the description above, you may contact Dr. Poon directly: apoon42@uwo.ca
CURRENT RESEARCH OPPORTUNITY FOR THE MICROBIOLOGY & IMMUNOLOGY PROGRAM

Graduate Program: Microbiology & Immunology
Research Cluster(s): Phagocyte biology, Antigen presentation, Atherosclerosis, Pneumonia
Supervisor(s): Dr. Bryan Heit
Keywords: Macrophages, Inflammation, Antigens, Disease
Vacancies: 2 (see below)
MSc/PhD or Postdoc Available?: Masters, Doctoral

Description: Our interests surround the function of phagocytes – white blood cells which ingest (phagocytose) pathogens, particles, and dead cells. We focus on the cellular and molecular processes which control the function of these cells during the maintenance of homeostasis, infection and chronic inflammatory disease. Central to most of our studies is the study of efferocytosis – the phagocytic removal of apoptotic (dying) cells, and how failures in this process lead to inflammation, autoimmunity and infection.

To Apply: Applicants must independently apply to the Microbiology & Immunology program using the online Western application portal, including a clear reference to the supervisor (Please insert anything needed in addition to the traditional application)

Application Deadline: N/A

Contact Information: Questions regarding the application process, or inquiries about the program may be addressed to the Academic Programs Coordinator, if trainees have questions with regard to the description above, you may contact Dr. Heit directly: bheit@uwo.ca