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. Saman Maleki

Keywords: Cancer Immunotherapy, tumor immunology, neoantigen

Vacancies: 2

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

Description:

Project 1: We are studying the effect of neoantigen induction on tumor immune profile and response to immunotherapy among cancers with various degrees of tumor mutation burden.

Project 2: We are studying the underlying mechanisms of tumor-specific T-cell formation in various cancers and also in patients who are treated with immunotherapy.

To Apply: Applicants must independently apply to the Pathology & Lab Medicine 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. Maleki directly: saman.malekivareki@lhsc.on.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): HIV

Supervisor(s): Dr. Art Poon

Keywords: Bioinformatics, phylogenetics, virus evolution, HIV, molecular epidemiology

Vacancies: 2 (see below for details)

MSc/PhD or Postdoc Available?: Masters (2 year), Doctoral (4 year)

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 or Pathology & Lab Medicine 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: 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. Poon directly: apoon42@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): Bioinformatics, Computational Genomics

Supervisor(s): Dr. Parisa Shooshtari

Keywords: Bioinformatics, Machine Learning, Data Analysis, Single-Cell Sequencing, Cancer, Autoimmunity

Vacancies: 2

MSc/PhD or Postdoc Available?: MSc, PhD

Description: Computational Genomics Lab lead by Dr. Parisa Shooshtari is seeking one MSc student and one PhD student to join our team of bioinformatics researchers. Prospective student should have a strong analytical and computational background, and adequate knowledge of genomics. The student will develop computational, statistical and machine learning approaches to analyze multi-omics data, including single-cell sequencing datasets. Our objective is to uncover cellular and molecular mechanisms underlying complex diseases, particularly different cancer types and autoimmune diseases.

To Apply: Applicants must independently apply to the Pathology & Lab Medicine 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. Shooshtari directly: pshoosh@uwo.ca