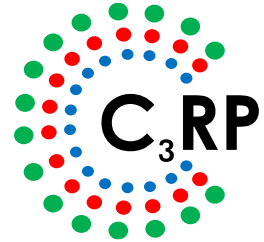


Postdoctoral Associate in Translational Biology

The Cardiology and Critical Care Research Program (C₃RP, www.c3rp.org) at the Robarts Research Institute is located on the Western University campus and is connected to the London Health Sciences Center (LHSC). Under the supervision of two principal investigators (**Dr. Mark Chandy** and **Dr. Aleks Leligdowicz**), the laboratory employs novel multi-“omic” techniques to study biological samples from patients to understand disease mechanisms of cardiovascular disease and early infection during critically illness.



The main pillars of research are: (1) the impact of environmental factors on the development of cardiovascular disease using induced pluripotent stem cells (iPSC) and (2) the influence of innate and adaptive immune regulation and endothelial injury on outcomes in critical illness. Advanced cell culture and gene editing in conjunction with imaging techniques (flow cytometry, microscopy), functional biological assays, and RNA-sequencing are used to address these research goals.

Our lab is seeking a talented and highly motivated postdoctoral associate with expertise in large-scale statistical analyses of clinical data and their integration with complex biological studies. Biological data types include RNA-Sequencing, cell imaging (flow cytometry, microscopy), proteomics, and clinical trial analysis.

Start Date: Fall 2022 (flexible)

Duration: 2-3 years

Renumeration: Commensurate with experience

Qualifications:

- Ph.D. in basic science within the past 3 years
- Exceptional knowledge of coding and data analysis in R and Python
- Excellent understanding of applied statistics
- Experience with analyzing human and bacterial RNA sequencing data
- Experience with flow-cytometry
- Strong understanding of cardiovascular disease, immunology, and microbiology
- Proficiency in the English language, including manuscript, and grant preparation

Procedure:

- Application package: CV, 1-page letter of reference, and 3 references (email)
- Please submit full application to aleligdo@uwo.ca and mchandy2@uwo.ca with the subject “C3RP Postdoctoral Application”