

Laboratory technician (limited term)

Application Deadline: November 5, 2018

Position Start Date: as soon as possible (negotiable)

Job Description

The Lifecourse and Translational Health Collaboratory (LTCH) in the Department of Health Sciences at Carleton University is seeking an experienced, creative, energetic individual to join the research teams of Drs. Kristin Connor and Edana Cassol, who lead the LTCH, with the goal of participating in interdisciplinary biomedical research. We are seeking an individual with an established track record of success to serve as a technician to jointly run the day-to-day activities of the Developmental Origins of Health and Disease research lab of Dr. Connor and the Systems Immunology research lab of Dr. Cassol, within the LTCH. The position is full time for a 1-year term, with the possibility of extension.

Expectations

The incumbent will work directly under the supervision of the Principle Investigators (50% per PI), report to both PIs, and will be working on projects related to developmental origins of disease and host-pathogen interactions. The incumbent will conduct research, provide training, and assist with general lab operations. Such tasks could include bench lab work, maintaining inventories and equipment, ordering, research ethics board applications and manuscript preparation. The incumbent will be expected to record and demonstrate quality assurance and sample integrity, and will be held responsible for the accuracy and reliability of results. The incumbent must be flexible with work hours (some days will start early and/or end late) and must demonstrate satisfactory work performance and attendance record.

Essential Qualifications

Education: An MSc (minimum) in a biomedical or life sciences related field.

Required significant experience:

- Molecular biology
 - RNA extraction, quantification and QC
 - cDNA synthesis
 - Real time qPCR
 - DNA extraction, quantification and QC
- Protein biology
 - Protein extraction, quantification and QC
 - Gel electrophoresis
 - Western blotting
 - Image analysis
 - ELISA
 - Luminex/Bio-Plex experience (strongly desired)



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Developmental Origins of Health and Disease
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- Histology
 - Sectioning, mounting and staining slides (immunohistochemistry, immunofluorescence)
 - Microscopy
- Experience handling and processing various tissues and cell types from animals and humans

Additional recent experience (desired):

- Experience culturing human and/or mouse cell lines and primary cells
- Experience with small animal models (mice) including handling and husbandry, breeding, injections, tissue collection and processing
- Experience in biostatistics and data analysis
 - Experience working with large/bioinformatic datasets a bonus

Such experience is normally acquired following a minimum two years research laboratory experience.

Key Competencies:

- Highly organised with strong time management skills
- Excellent communication skills, both written and oral
- Excellent interpersonal skills
- Must be able to work alone and in a team
- Must be adaptable
- Must be able to prioritise workload, perform multiple concurrent tasks
- Must be able to think critically and troubleshoot

Asset Qualifications

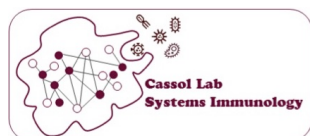
The successful candidate is expected to have

- Project management skills
- Extensive experience with Microsoft Office
- Data entry and database management

Application instructions

Please provide a one-page cover letter that clearly expresses the basis of your professional and personal interest in the position. Your letter should also provide concrete examples that clearly demonstrate how you meet the experience criteria listed under the Essential Qualifications. You must also provide an up-to-date CV and contact information for two references, and state your relationship with each referee. All documents should be submitted electronically as **one single PDF** to both PIs at the email addresses below by November 5, 2018:

kristin.connor@carleton.ca AND edana.cassol@carleton.ca



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