

Research Assistant Cancer Axis - CRCHUM

Under the supervision of Dr. Saima Hassan, the research assistant will work in her research laboratory that is dedicated to translational breast cancer. Dr. Hassan and her team members aim to better understand the efficacy of PARP inhibitors as single agents and in combination, in several model systems including cell lines, orthotopic xenografts, patient-derived xenografts, and tumor-derived organoids. Her team is also evaluating the role of a 63-gene signature in predicting response to PARP inhibition. The overarching objective is to better understand the role of PARP inhibition in combination and identify which patient population might benefit from PARP inhibition and to better.

Responsibilities:

- Lab Manager, including placing orders and organizational skills
- Diverse molecular biology techniques including: immunofluorescence, immunohistochemistry, tissue culture, maintenance of cell lines, manipulation of mice – such as breeding, injections, surgical implantation of cell lines/tumors, tumor measurements, Western Blot, ELISA, sample preparation for genomic analysis, development of patient-derived models.
- Teaching of students
- Submission of protocols to ethics committee
- Participate in the preparation of manuscripts

Qualifications and knowledge:

- BSc, Msc, or PhD in biomedical sciences
- Experience as a research assistant, in an academic laboratory or in a field related to cancer.

- Experience with cellular imaging, immunofluorescence, and mice will be an added advantage
- Biostatistical and bioinformatics analysis would be an added advantage

Qualities:

- Independent, collaborative, dynamic, efficient, honest and professional
- Capacity to analyze and solve problems
- Motivated and driven to complete job at highest quality, sense of organization and multitasking

Status:

Full time position, 35 hours per week
Salary and conditions according to CRCHUM policy

Application:

Interested applicants should submit their CV including a list of their publications with a letter of interest by email to saima.hassan@umontreal.ca.