PhD Student- Cancer Biology/Small Particle Analysis For Cancer Diagnostics

The position

This position seeks a highly motivated, energetic, research-oriented individual with previous training in biomedical research. The research project involves the study of blood-based biomarkers on breast cancer extracellular vesicles in the detection and risk stratification of individuals with breast cancer. By developing a non-invasive means of screening for breast cancer we hope to establish a test that can identify aggressive disease from indolent.

The project

To analyze extracellular vesicles we use a nanoscale flow cytometry platform. In addition to this further characterization is performed using techniques such as transmission electron microscopy and Cryo-EM. Biomarker validation will be performed histologically on breast cancer tissue specimens. While initial project details are established, the development and extension of the project will be amenable to student based direction.

Your profile

It is preferred that the candidate hold an MSc degree in a biomedical field and have a good understanding of protein and/or carbohydrate biochemistry. Preference will be given to individuals with published reports in peer-reviewed journals and those who have a history of obtaining internal or external scholarships/awards. The candidate must have excellent written and oral communication skills. It is essential that the candidate is capable of working in a team environment.

How to apply

Interested candidates should send a brief description of their research interests and experience in addition to a CV (include contact details for three referees) and a pdf copy of any authored publications to karla.williams@ubc.ca.

Please use ‘PhD Position-Williams Lab’ as the subject. Selected candidates will interview with the principal investigator in addition to presenting a talk based on MSc work (or BSc project if applicable) in a lab meeting based setting.