

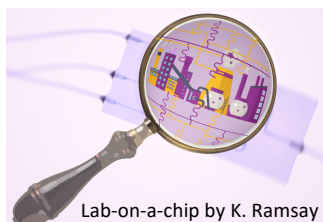
Fully funded graduate student (Masters or PhD) positions to build customisable artificial cells and tissues for drug discovery

About the Elvira Lab in Beautiful British Columbia:

We are an international research group based in Victoria, British Columbia, which is consistently ranked as one of the most livable cities in the world. Our research group is dedicated to performing excellent science and we are therefore committed to creating a welcoming, equitable and inclusive research environment.



What graduate students do in the Elvira Lab:



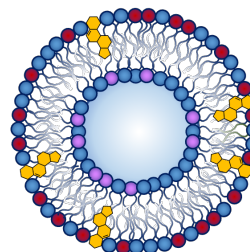
We develop innovative lab-on-a-chip (microfluidic) platforms for drug discovery. The aim of your project will be to build customisable models of the cell membrane to predict how drugs (and other molecules and particles) will behave in the human body early in the drug discovery process. You will have your own research project, but will work as part of a team of graduate, undergraduate and postgraduate researchers. You will receive support and mentorship to help you achieve your career goals, as well as to complete your graduate degree in 2 years (Masters) or 4 years (PhD).

We'd love to hear from you if...

...you are enthusiastic about doing interdisciplinary research with components of chemistry, engineering and biochemistry.

...you are keen to learn new techniques that will enable you to do cutting-edge research.

...you are ok with experiments not working because problem solving is a key skill needed to do creative research.



Liposomes - a type of artificial cell membrane we build

What you need to apply:

You need to have a Bachelor's degree (Master's applicants), or a Master's degree (PhD applicants), in science or engineering (such as chemistry, biochemistry, pharmacy, health sciences, bioengineering) and have taken degree-level lab courses. Degree-level lab-based research experience is also required. Experience with microfluidic technologies is not required.

The application process:

To apply, please submit: 1) a statement detailing your research interests and prior experience (1 page), 2) an equity, diversity and inclusion (EDI) statement describing your thoughts about EDI in science and previous experience working with a diverse group of co-workers (1/2 page), 3) a CV, 4) transcripts (they do not have to be official) and 5) names and contact information for two references to Dr Katherine Elvira (kelvira@uvic.ca) with the subject line "2024 graduate student application".

Applications will be considered on a rolling basis until the positions are filled. The preferred start date is May 2024, though this is very flexible. State your preferred start date in your application! We are sorry that because of the large numbers of applications we receive, we can only answer applicants selected for interview. As part of the interview process you will have the chance to meet online with current group members to hear about their lived experience in the Elvira Lab and in Victoria.

Where you can find more information:

Details about the support and expectations for graduate students, your annual stipend, the application process, and much more can be found on the Department of Chemistry website at the University of Victoria. You can also contact us directly if you have any questions by scanning this QR code, or by checking us out on social media (@TheElviraLab on Twitter and Instagram).

