

Open position

Post-doctoral researcher:

Microfluidics expert for bioanalytical applications



### About the position

A postdoctoral position is available in the laboratory of **Microtechnologies for Quantitative Biomedicine** at UBC, Vancouver. The group is focused on developing enabling micro- and nanotechnologies for healthcare and life-sciences with a strong view on translation of these technologies to the industry and clinics.

The candidate will have the primary responsibility of design, fabrication, characterization, testing and assembly of microdevices to integrate into platforms for high-resolution profiling of biological samples. This work will be carried out in the Life Sciences Institute and Vancouver Prostate Centre (Hospital site).

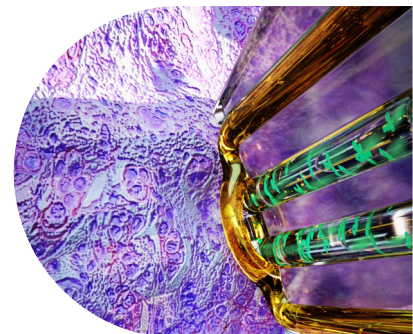
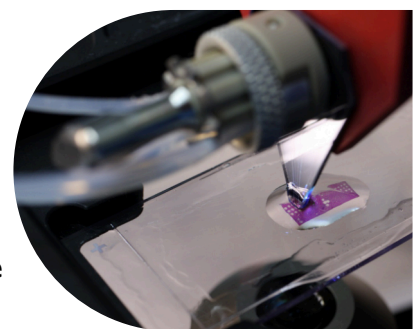
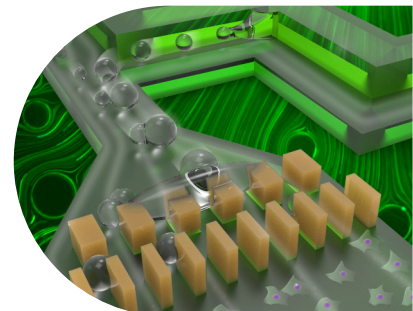
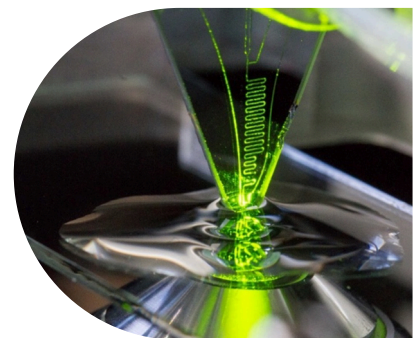
Additionally, the candidate will have the unique opportunity to help shape the BioDevice Foundry (cleanroom) at the School of Biomedical Engineering (SBME).

The candidate will be embedded in SBME at UBC, which is UBC's first inter-faculty department with research converging from both the faculties of medicine and applied sciences. The candidate will thus have access to a network of researchers at affiliated hospitals and industrial partners across BC, with training and opportunities across this ecosystem.

This position is available immediately. The successful candidate will enjoy a competitive salary and work within a collaborative and creative group.

### Qualifications | Requirements

- Empirical and computational experience in microfluidics, multi-phase flows (droplets), small volume fluid handling/manipulation.
- Experience working in a clean-room environment for microfabrication and device characterization (surface, electrical and fluidic).
- Be proficient in microscopy techniques (brightfield, epifluorescence, confocal)
- Have experience in rapid prototyping and CAD (3D printing and micro-machining).
- Systems design, controller programming (Matlab/LabView/Python), GUI design and troubleshooting skills will additionally be beneficial.
- Mentor undergraduate and graduate students in multidisciplinary research projects.
- Be self-driven, highly motivated and able to multitask efficiently.



### How to Apply

Candidates are welcome to send a cover letter, a CV (publications and skills), and contact information for at least two references to Dr. Govind Kaigala, email: govind.kaigala@ubc.ca, Associate Professor, School of Biomedical Engineering, UBC, Canada; Senior Scientist, Vancouver Prostate Center

Further information: <https://micro-qb.org>

### Diversity

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented. In line with UBC's commitment to inclusivity, we encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, race, disability, political belief, religion, marital or family status, age, and or status as a First Nation, Metis, Inuit, or Indigenous person.