

Research Associate

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The Department of Biochemistry & Molecular Biology at the University of British Columbia invites applications for a Research Associate to join an interdisciplinary translational research program in cancer structural biology, headed by Dr. Sriram Subramaniam.

The successful candidate will have a PhD in protein X-ray crystallography and at least 5 years of postdoctoral research experience in protein purification, X-ray crystallography and cryo-EM, with at least 3 years of direct experience in cryo-EM. The successful candidate must have expertise, as demonstrated by high profile publications, in two research areas that are of current interest in the laboratory: (i) biochemical and structural aspects of DNA-protein uibrucryo-EM methods at high resolution and (ii) expert knowledge of membrane protein purification with direct experience in structure determination of transporters or ion channels by cryo-EM. Hands-on experience with operation of modern cryo-EM instruments is essential.

The applicant should be highly self-motivated and demonstrate the ability to work independently, supervise graduate and undergraduate students, conceive, initiate, organize, and manage research projects. Excellent verbal and written communication and interpersonal skills are a necessity, as well as the ability to work in a team environment. Strong management/mentoring skills are required, and experience with staff/student recruitment is desirable. The applicant must have a strong research publication record and proven track record of collaborative research, and broad expertise in biochemistry and structural biology, with experience in setting up an infrastructure for rapid protein purification.

Specific responsibilities will include:

- A) Supporting structural biology related operations of the program
- B) Developing and undertaking research projects in the following areas:
 - a. Expression, purification and structural studies of nucleosomal and related DNA-protein complexes related to cancer biology
 - b. Establishment of high-throughput assays to screen inhibitors
 - c. Expression, purification and cryo-EM structural analysis of ion channels and transporters
- C) Co-authoring grant applications aimed at securing research funding from federal, provincial, and industrial sources
- D) Assisting lab members in the program with manuscript preparation, reports, and communications related to the projects underway in the laboratory
- E) Assisting in coaching of junior laboratory staff in laboratory practices and operational details as required.

Please send your CV and names of two referees to
Dr. Sriram Subramaniam
Dept of Biochemistry & Molecular Biology
Faculty of Medicine
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2350 Health Sciences Mall
Vancouver, B.C. V6T 1Z3
Email: bioc.sec@ubc.ca

Information on the UBC Department of Biochemistry & Molecular Biology can be found at www.biochem.ubc.ca. The position is available starting January 1, 2019. This is a one-year appointment, subject to renewal based on performance. Salary will be commensurate with qualifications and experience.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. 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, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.