

RESEARCH ASSOCIATE JOB DESCRIPTION

Job Summary:

The Department of Cellular & Physiological Sciences at the University of British Columbia will be hiring a Research Associate at 55% FTE to join Dr. Joanne Weinberg's Laboratory.

The Department of Cellular and Physiological Sciences does world-class research aimed at understanding the fundamental workings of cells and organisms in an effort to identify the underlying causes of human diseases. The Department's research is diverse, with Investigators working in a wide range of the leading invertebrate and vertebrate model systems and using biochemical, molecular genetic, cellular and physiological approaches. The Department has particular strengths in neuroscience, endocrinology, development and cancer. The robust collaborative spirit among the Department's Investigators drives increasingly multidisciplinary research programs in each laboratory. This includes the incorporation of the latest technologies in molecular biology, genetics, next-generation genomics, proteomics, bioinformatics, and genetically-engineered animal models to complement our expertise in cell biological and physiology. The research in the Department is also strengthened by our use of advanced imaging capabilities that includes EM, super-resolution, 2-photon, live-cell and high-throughput microscopy. Research in the Department of Cellular and Physiological Sciences is providing insight into the fundamental biological processes and pathologies that lie behind many diseases, including cancer, Alzheimer's, diabetes, heart disease, and stroke, to name just a few.

Key tasks of the candidate will include the following:

The candidate will lead a broad program of research utilizing both animal models and clinical cohorts to investigate the effects of alcohol consumption during pregnancy on development, with particular focus on immune function, physical and mental health and behavioral outcomes. Animal model studies will also focus on possible mechanisms underlying the adverse developmental effects of prenatal alcohol exposure, including changes in inflammation and the microbiome. In parallel, clinical studies will extend the focus to investigate the range of adverse effects of maternal alcohol consumption on the mother and the development of her children from infancy through adulthood, with a focus on health and immune function, as well as cognitive function and adaptive behaviour. The candidate will also be expected to supervise graduate and undergraduate students, play an active role in developing and writing grant applications, and publish actively.

Education/Work Experience:

The successful candidate will hold a Ph.D. degree in neuroscience, psychology or a related field. Applicants will have at least two years of post-doctoral training with a demonstrated track record of publication in top journals the fields of neuroscience, psychology, immunology, and other areas, as appropriate.

The successful candidate must also have the following:

- Experience in both basic science and clinical research
- Experience in the field of fetal alcohol spectrum disorder (FASD)

- Experience utilizing animal model of FASD
- A background in neuroscience and behavior
- Proven project management, supervision and mentorship of graduate students and undergraduate students.
- Excellent communications skills including oral presentations at national and international conferences.
- Proven track record in grant and manuscript preparation
- Ability to work in a face-paced and demanding team environment.
- The drive and enthusiasm to lead and work as a member of a team.

Candidates interested must apply via the [UBC Careers website](#).

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.