

## **POSTDOCTORAL RESEARCH FELLOW - TRANSLATIONAL DROSOPHILA GENETICS**

A 3-year funded postdoctoral position is available from May 1, 2019, in the Allan laboratory, Department of Cellular and Physiological Sciences in the Life Sciences Institute at the University of British Columbia, Vancouver, Canada. We seek a highly motivated Postdoctoral Fellow with a strong background in *Drosophila* molecular genetics and a desire to transition into a career path in the field of clinical and industrial translational research.

The post-holder will be expected to assume a leadership role in a team that uses *Drosophila* molecular genetics and cell-based approaches to screen human gene variants for function. He/she will work with industrial partners, clinicians and bioinformaticians to select human genes and variants of interest for testing. He/she will then develop *Drosophila* and/or cell-based assays capable of screening gene and variant function. The overall aim is to support a critical step in precision/personalized medicine, by providing experimental evidence for gene function - in cases of poorly understood genes - or gene variant function - in cases where gene function is known but a determination of the variant's activity is required for diagnosis.

The candidate will be involved in the training and supervision of trainees (undergraduate and graduate) to perform assays, and participate in grant writing.

The Allan Lab and the Life Sciences Institute provides well-equipped, modern facilities and the opportunity to apply a wide variety of molecular genetic, cellular, biochemical and computational approaches. The University of British Columbia is highly ranked in Life Sciences, with a leadership role in personalized medicine.

### **QUALIFICATIONS:**

The successful candidate will hold a Ph.D. specializing in *Drosophila* molecular genetics, with a broad range of expertise/familiarity with multiple tissues, genes and pathways. Preference will be given to applicants with additional experience in either tissue culture (human cell lines etc), high throughput screening technologies, advanced molecular biology and gene editing technologies, or computational biology. He/she will have a demonstrated track record of successful research.

### **HOW TO APPLY**

Please submit a full CV, three written references, and up to 3 representative publications to Dr. Doug Allan ([doug.allan@ubc.ca](mailto:doug.allan@ubc.ca)).