

POSTDOCTORAL POSITION IN ELECTROPHYSIOLOGY

The laboratory of Dr. Patrick MacDonald (www.bcell.org)

One or more postdoctoral positions are available within the MacDonald group (www.bcell.org) for applicants who have recently obtained or will soon be completing a PhD in biomedical science or a related field. Successful applicants will have a record of outstanding research, whether published or otherwise, and both the desire and ability to lead projects within a collaborative environment.

POSTDOC IN ELECTROPHYSIOLOGY: For this position, we are seeking applicants with experience in electrophysiological techniques. This may include patch-clamp of single isolated cells, brain slice electrophysiology, or any relevant or related methodology. These approaches will be used to study the excitatory and exocytotic function of endocrine cells of rodent and human pancreas, either in isolation or within *in situ* pancreas slice preparations.

The position(s), supported by a CIHR Foundation Grant, will interact with collaborative colleagues both within and outside our group in areas that include genetics, single-cell genomics, signaling and biochemistry, and tissue processing.

Abundant technical expertise and research resources will be available to the successful applicant(s). Our group is well-equipped for the study of excitable secretory cells, housing a large in-lab infrastructure for electrophysiology, cellular imaging, molecular biology, and biochemistry. Additional core resources for proteomics, genomics, cell sorting, etc. are available through nearby institutional core facilities. Notably, our laboratory includes an in-house human research islet isolation and distribution program that allows tight integration between human tissue processing and experimental study. We supply human islets to over 80 groups in North American and Europe. Applicants will be encouraged to engage with this network to establish new collaborations, drive innovative projects forward, and develop their independent research.

These positions will be offered for an initial period of 2 years (with possibility of extension) at a salary level commensurate with experience and University guidelines.

To Apply: Forward your CV and contact information for three references to:

Patrick MacDonald
LKS Centre, Rm. 6-126
pmacdonald@ualberta.ca
T: 780 492-8063 (+1 if outside Canada)

Closing date:

October 31, 2018, or until position is filled.

We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.

The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.