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PhD position in β -cell biology in the Luciani Lab at UBC / BCCHR

We are seeking a motivated and curious PhD student to join Dr. Dan Luciani's lab, at BC Children's Hospital Research Institute (BCCHR) in beautiful Vancouver. The student will be enrolled in the UBC Cell & Developmental Biology Graduate Program (www.cell.ubc.ca) with an intended start date of **Jan 2023**.

The overall research goals of our laboratory are to clarify the mechanisms of β -cell adaptation, or failure and death in diabetes

The PhD research project will focus on the regulation of β -cell stress responses, focusing on the relationships between β -cell mitochondrial homeostasis, apoptosis, autophagy and senescence. This will include opportunities to work with unique knockout mouse models using a variety of in vivo and in vitro techniques, including advanced live-cell and high-content imaging.

The ideal student for this position has an MSc, is excited about cellular physiology, has experience in islet biology and relevant techniques, as well as strong oral and written communication skills.

The research environment: We are part of the dynamic group of diabetes labs at BCCHR (www.bcchr.ca/diabetes) and work in an 'open lab' setting that fosters collaboration and houses a range of shared facilities for microscopy (confocal, high content and super-resolution), histology, flow cytometry (FACS), analysis of cellular bioenergetics and more. Our trainees also have the benefit of participating in Journal Clubs and seminar series, a range of career development opportunities, as well as local, national and international research conferences.

To apply for this PhD training opportunity, send an email to Dr. Luciani (dan.luciani@ubc.ca) describing your research interests and motivation. Please also attach your CV and a copy of your university transcripts.