CRCHUM
CENTRE DE RECHERCHE
Centre hospitalier
de l'Université de Montréal

Université de Montréal

TWO POSTDOCTORAL POSITIONS AVAILABLE

Montreal Diabetes Research Center
University of Montreal Hospital Research Center
900 Saint-Denis St., Montreal QC

Rutter Laboratory

UNDERSTANDING PANCREATIC BETA CELL CONNECTIVITY AND MECHANISMS OF ACTION OF DIABETES GWAS GENES

My laboratory studies pancreatic beta cell biology and its perturbations in type 2 diabetes (Rutter et al *Diabetologia*, 63(10):1990-1998. doi: 10.1007/s00125-020-05205-5, 2020). The objectives of the two projects are to explore the role and regulation of interactions between beta cells within the pancreatic islet using live cell imaging and optogenetics (Project 1), and to understand how genomic variants associated with type 2 diabetes impact pancreatic beta cell function (Project 2).

The successful applicants will hold a PhD or equivalent. Experience in islet biology and/or glucose homeostasis, and in the geno/phenotyping of transgenic or knockout rodent models (Project 1) or CRISPR/Cas9 genome editing, culture of human-derived beta cells or directed differentiation of embryonic stem cells towards a beta cell fate would be advantageous. Candidates with experience in data analysis using R, MATLAB etc. are particularly welcome to apply. Salary will be determined based on previous experience. The positions will become available from August 1st 2021.

Please send a cover letter and curriculum vitae, including three references, to Dr Guy Rutter at: g.rutter@imperial.ac.uk

Centre de Recherche du Diabète de Montréal
Comprendre pour prévenir et guérir

Montreal Diabetes Research Center
Understand to Prevent and Cure