POST-DOCTORAL FELLOWSHIP IN T-CELL SIGNALING AND CANCER IMMUNOTHERAPY – UNIVERSITE DE MONTREAL

Province: Montreal, Quebec
Position: Post-doctoral fellowship
Posted: December 2020

JOB DESCRIPTION / DUTIES

We are looking to recruit a postdoctoral fellow to join our immunology group headed by Dr. Christopher Rudd at the CR-Hôpital Maisonneuve Rosemont, a research institute affiliated with the Université de Montréal. The project will involve investigating T-cell signaling pathways that influence T-cell responses to cancer and infection. The projects include an analysis of the function of different co-receptors such as CD28, PD-1, CTLA- 4 in the modulation of T-cell function and anti-tumor immunity. A special focus is on the nature of T-cell signaling events that leads to improved immunotherapy. We are part of a collaborative, interdisciplinary research center with a strong group of researchers with expertise in T cell biology and cancer. Our lab uses a variety of cellular and molecular biology techniques as well as mouse models of cancer together with multi-photon microscopy to study mouse and human disease. Papers of interest include Liu *et al.*, 2015 Molecular Cell 59, 840-849; Taylor *et al* 2016 Immunity, 44, 274-86; Krueger J and Rudd CE. (2017) Immunity 46, 529-531; Raab *et al.* (2017) Nat Commun. 8, 16001; Taylor *et al. (*2018) Cancer Research 78, 706-717; Thaker *et al* (2019) Nat Commun.10:4804; Rudd (2020) Science Immunol. 5(43):eaaz8128; Rudd *et al. (*2020) Cell Rep. 30, 2075-2082.

QUALIFICATIONS / REQUIRED SKILLS

PhD or MD with an interest in immunology.

Salary: To be negotiated dependent on experience ($30,000-55,000)

CONTACT INFORMATION

Please send a curriculum vitae with a full list of publications, statement of research interests and plans, funding history, and names of three references to: Professor Chris Rudd (christopher.e rudd@umontreal.ca)

EMPLOYER PROFILE

Centre de Recherche Hôpital Maisonneuve-Rosemont
Hôpital Maisonneuve-Rosemont

*Centre intégré
universitaire de santé
et de services sociaux
de l'Est-de-
l'Île-de-Montréal*

Québec 🏵🏵