

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

Québec 

POST-DOCTORAL FELLOWSHIP IN CANCER IMMUNOLOGY AND IMMUNOTHERAPY – UNIVERSITE DE MONTREAL

Province: Montreal, Quebec
Position: Post-doctoral fellowship
Posted: September 2021

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, 1600
- 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).
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QUALIFICATIONS / REQUIRED SKILLS

PhD or MD with an interest in immunology.

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

Expertise in the generation of monoclonal antibodies could also be an asset.

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 de l'Hôpital Maisonneuve-Rosemont