

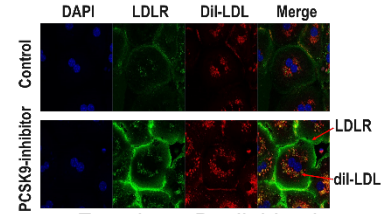
Postdoc position on deciphering the cellular and molecular biology of the convertases PCSK7 & PCSK9: clinical applications in cardiovascular diseases and cancer/metastasis

Montreal Clinical Research Institute (IRCM), Montréal, QC, Canada

Position Description:

Duration: 2-3 years

Area: Cellular & Molecular Biology, Mouse models, Human Variants, Genetics, Protease Functions, Dyslipidemia, Fatty Liver Disease, Cholesterol & Triglycerides



The lab of Nabil G. Seidah at the Montreal Clinical Research Institute (IRCM) is searching for highly motivated and talented post-doc research assistant candidates to work on the biology and translational applications of the Proprotein Convertases PCSK9 and PCSK7 in cardiovascular diseases and cancer/metastasis. The position offers an extraordinary team-based science environment located in the heart of Montreal in the Canadian province of Quebec. The IRCM is world renowned clinical research institute with multidisciplinary researchers from all over the world (<https://www.ircm.qc.ca/en/>). The selected candidate(s) will enjoy opportunities for exciting biomedical research, technological innovations, education, and career development. Details about research in our lab can be found at: [Nabil Seidah \(0000-0001-6503-9342\) \(orcid.org\)](#). This position requires at least two letters of support from the PhD supervisor and senior colleagues or supervisor.

Publications: <https://pubmed.ncbi.nlm.nih.gov/?term=seidah+&sort=date>

Candidates:

- should have a strong background in biochemistry, cell and molecular biology and protease functions
- should be independent, scientific-oriented and highly motivated, work well in teams
- have excellent communication and interpersonal skills
- actively collaborate with internal and external collaborators and support other members of the team
- employ cutting-edge technologies in cell and molecular biology in combination with knowledge of protease functions in cardiovascular diseases and/or cancer/metastasis
- PhD in Biochemistry and/or Molecular and Cellular Biology obtained in the last 4 years, with a proven publication record (at least one first author paper).
- critical thinking; excellent reading and writing skills; fluent in English; some knowledge of French is an asset

Job duties

- Develop protocols using antisense oligonucleotide (ASO) silencing and/or monoclonal antibodies in mouse models and human cells to treat the fatty liver disease (NASH) and cancer/metastasis including hepatocellular carcinoma.
- Identify and characterize the molecular pathways that underly the functions of PCSK9 and PCSK7 in cells and in single or double knockout mice.
- Dissect the functional consequences on LDL-cholesterol and triglycerides regulation of genetic variations in human *PCSK7* or *PCSK9* gene.
- Participate in lab meetings and national/international conferences.

Information on IRCM researchers: [https://www.ircm.qc.ca/en/researchers?filter\[activetab\]=formbuilder](https://www.ircm.qc.ca/en/researchers?filter[activetab]=formbuilder)

Please send your CV, publication list, letter of interest and a letter of recommendation from your supervisor to Nabil G. Seidah (seidahn@ircm.qc.ca). The duration of the position is two to three years. Closing date: April 30, 2023

posted December 6th, 2022.