The **Rangachari lab**, at the *Quebec City-Laval University Hospital Research Centre (CRCHUQ-UL)*, is recruiting a **postdoctoral fellow** to make ground-breaking contributions to a National MS Society (NMSS)-funded project on progressive MS. The start date is negotiable but is anticipated to be no later than Jan 1, 2026.

The successful candidate will use flow cytometric, next-gen sequencing, imaging and functional approaches to better understand how **oxphos dysregulation contributes to lymphocyte-mediated tissue damage within the CNS**. They will leverage our recently described mouse model that recapitulates numerous features of progressive MS (Fazazi et al., *Nature Comm* 2024). This is a unique opportunity to unveil novel, targetable, molecules and mechanisms for progressive MS – for which therapeutic options are currently limited.

CRCHUQ offers a state-of-the-art flow cytometry core with 6 sorters/analyzers (including a Cytek Northern Lights spectral cytometer); a genomics core (featuring NovaSeq 6000, among others); a proteomics core (e.g., Orbitrap Astra); cutting edge microscopy platforms (e.g., STED super-resolution microscope); and many other platforms and services.

Learn more here: https://www.crchudequebec.ulaval.ca/en/the-center/about/

Quebec City is one of the oldest cities located north of the Rio Grande and features a world-renowned, UNESCO-recognized, fortified inner city (Vieux-Québec). It has a very high quality of life, with year-round outdoor recreation opportunities as well as an outstanding culinary scene.

The following will make the successful candidate stand out:

- Expertise in animal models of disease, immune cell functional analysis, multiparameter flow cytometry and/or bioinformatics analysis

- A track record of generating mechanistic, high-quality research outputs as first author (either published or in an advanced state of preparation)

- Evidence of their collegiality, dynamism and tenacity as these are core values of the Rangachari lab

Interested applicants are asked to provide a CV as well a Personal Statement that outlines 1) their research experience thus far, 2) what their personal expectations are from postdoctoral training, and 3) what skills and concepts they might bring to the Rangachari lab.

Please contact: manu.rangachari@crchudequebec.ulaval.ca