

We are looking for a collaborative and self-motivated **Postdoctoral Associate/Fellow** to work in the laboratory of **Dr. Yoshiaki Tanaka** in **Maisonneuve-Rosemont Hospital Research Center at University of Montreal** in Canada. The Tanaka lab aims to gain molecular insights of cancer progression and invasion using genomic and computational platforms. The successful candidate will be involved in the international collaborative project, “Modeling Human Multi-Organ Interaction in Disease - Cancer Cachexia (MORGI)” and will closely work with **Dr. Tor Eric Rusten at University of Oslo** in Norway. Cancer Cachexia (CC) is a multi-organ disorder that leads metabolic reprogramming, systemic inflammation, and organ degeneration. The successful candidate will conduct large-scale bioinformatics analysis of multi-omics datasets (e.g. transcriptomics, proteomics, and metabolomics) from CC models and development of mathematical models to integrate these multi-omics datasets. He/She will be also responsible for designing of analytic pipelines, data interpretation, data organization, and manuscript preparation.

More information of this project can be found at the following link:

<https://www.uio.no/english/research/strategic-research-areas/life-science/research/convergence-environments/morgi/>.

Applicants must hold a degree equivalent to a Norwegian doctoral degree in molecular biology, cell biology, computer science, or similar directly relevant disciplines for the position. Appointment is dependent on the public defense of the doctoral thesis being approved.

The following qualifications will count in the assessment of the applicants:

1. Bioinformatics analysis of next-generation sequencing data (e.g. RNA-seq, ATAC-seq)
2. Computational programming, such as python, R, and other programming languages
3. Knowledge of basic biology and health science
4. Excellent oral and writing skills in English
5. Additional experiences in cancer cell biology or cachexia research
6. Additional skills in machine learning and artificial intelligence

Interested applicants should forward 1) a cover letter, 2) curriculum vitae with full publication list, and 3) three names of reference, all in PDF format to: yoshiaki.tanaka@umontreal.ca