

**Institution**

CHU de Québec, Université Laval

**Location**

Québec, Canada

**Job description**

The Proteomics Platform of the CHU de Québec Research Center invites application for a full-time (35h/week, 12 months, renewable) bioinformatician position . The Proteomics Platform is a highly specialized team that performs mass-spectrometry based protein analysis for a large variety of research projects. It is associated to the Computation Biology Laboratory, a very dynamic multidisciplinary team composed 10 graduate students and 6 research professionals working on bioinformatics projects.

The successful applicant will be specifically assigned to the support of the proteomics platform and to the research projects related to proteomics and multi-omics analysis. The chosen applicant will report to Dr Arnaud Droit, director of the computational biology laboratory and of the proteomics platform, and to Dr Sylvie Bourassa, manager of the proteomics platform.

**Summary of Key Responsibilities:**

- To participate to research projects related to proteomics or multi-omics
- To provide assistance to mass-spectrometrists regarding day-to-day data analysis.
- To perform bioinformatics analysis on proteomics data.
- To maintain, benchmark and troubleshoot the analytical pipelines of the proteomics platform and its infrastructure (linux and windows servers and workstations).
- To do software development (for the local LIMS and for the creation of custom analysis tools).
- To monitor bioinformatics development related to proteomics, to benchmark new tools and methods and to propose new analytical workflows.

**Requirements:**

- Master / PhD degree in a relevant discipline (computer science, bioinformatics).
- Demonstrated knowledge of at least one scripting language (i.e. Python, Ruby).
- Demonstrated experience in statistical analysis.
- Experience with data management and large dataset manipulation.
- Fluency with linux.
- Excellent ability to communicate and work in team
- Strong verbal and written communication skills in English and French.
- Excellent time management skills and the ability to work under pressure.

**Assets:**

- Experience in bioinformatics related to proteomics and/or mass spectrometry
- Experience in server administration (linux and windows).
- Mastery of the R language.

Candidates must send their presentation letter, CV and contact information to Dr Arnaud Droit ([arnaud.droit@crchuq.ulaval.ca](mailto:arnaud.droit@crchuq.ulaval.ca))