

## **Post-doctoral fellowship offer**

### *Research Chair in Innovative Nursing Practices*

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The Research Chair in Innovative Nursing Practices of the Faculty of Nursing at the *Université de Montréal* has for a mission to contribute to the advancement of knowledge on innovative practices and to develop effective intervention models in the field of nursing care. The chairholder is José Côté, PhD. RN, full professor at the Faculty of Nursing of the *Université de Montréal* and regular researcher at the CHUM Research Centre.

Funded by the Canada Foundation for Innovation, the *Laboratoire de développement et d'expérimentation d'un système de gestion de la performance des soins infirmiers* (LEPSI) is a database that aims to support research by facilitating access to a secure and appropriate set of clinical and administrative data related to nursing care performance. The LEPSI is directed by Carl-Ardy Dubois, dean of the School of Public Health (ESPUM) at the *Université de Montréal* and Professor José Côté. The development and use of recognized indicators measuring nursing care activities is the cornerstone of a nursing performance evaluation system. It provides institutions with an important lever to guide their decision-making process, improve their interventions and orient their strategies.

### **Description**

Under the supervision of the chairholder, the postdoctoral fellow will collaborate on the LEPSI. The main activity of this fellowship will be the use of the database to measure performance and to guide improvement initiatives in nursing care. The overall objective will be to experiment the way in which nursing care indicators, that are part of the database, can be used to assess the performance of nursing care and improvement of its quality. The postdoctoral fellow will need to have a good knowledge of the health system and databases to initiate and produce the early proofs of concept. In a second time, the postdoctoral fellow may also have to exploit the data with artificial intelligence methods to produce predictive models on the performance. The postdoctoral fellow is expected to participate in all research activities, such as grant writing, literature review, protocol and scientific article writing, as well as participation in scientific and professional communications.

### **Qualifications**

- Doctoral degree (PhD) (or in the process of obtaining one) in a health-related field (e.g., nursing, public health, or other).
- Relevant experience in health care services research, digital health, or other related fields.
- Experience in managing and operating massive databases
- Experience with the data collection tool “REDCap”.

- Strong interpersonal and communication skills, teamwork.
- Professional and intellectual rigor.
- Good organizational and writing skills.
- Dynamism, creativity, autonomy.
- Knowledge of the health network, hospital environment (an asset).
- Skills in statistical analysis and programming with SAS, R, STATA or Python softwares (an asset).

### **Conditions**

- Full time; one (1) year contract with possibility of renewal.
- Candidates must be Canadian citizens, permanent residents of Quebec or hold a visa allowing them to study in Quebec.
- Start date: Fall 2021.
- Training allowance: in the form of a scholarship.
- Location: CHUM Research Centre, 850 St-Denis Street, Montreal, Quebec H2X 0A9 or remotely.

### **Documents to be included in the application**

- Letter of intent
- Curriculum vitae (including publications)
- Transcript of grades
- Letter of reference (e.g. thesis supervisor)

Interested candidates must send their application **by email** no later than **September 30, 2021**, to the attention of Patricia Auger, [patricia.auger.chum@ssss.gouv.qc.ca](mailto:patricia.auger.chum@ssss.gouv.qc.ca).  
Applications will be treated as confidential.  
Only those selected for an interview will be contacted.