



March 11, 2022

Position: Post-doctoral Fellow

Post-doctoral Fellow investigating clinical decision making using analytic measures in healthcare simulations

Dr. Rose McCloskey, Director of the University of New Brunswick Long-term Care Research Simulation Lab and Professor in the Department of Nursing & Health Sciences, University of New Brunswick Saint John is inviting applications for a post-doctoral researcher.

Dr. Erik Scheme, Director of the Health Technologies Lab and Associate Director of the Institute of Biomedical Engineering, along with Dr. Keith Brunt, Associate Professor, Pharmacology, Dalhousie University and Adjunct Professor, Business, University of New Brunswick are co-investigators on the project.

Project description: The postdoctoral fellow will help lead a New Frontiers Funded Simulation project. The fellow will use principles of clinical decision-making and mental workload to design simulations for healthcare workers. The project will involve the use of various devices and sensors to monitor and evaluate performance during simulations. The simulations will be designed to monitor and analyze physiological responses to simulated clinical scenarios that allow for the capture of data related to dynamic structural, organizational, and individual variables. This will include designing investigations that allow for the isolation and measurement of mental workload during evolving clinical situations. The anticipated primary location of the research will be at UNB Saint John Long-term care Research Simulation lab.

Qualifications: PhD in Engineering, Computer Science, or equivalent within the last 5 years, strong analytical skills and in analyzing simulation data. The successful candidate should have demonstrated experience and interest in healthcare and/or medical diagnostics.

Salary Range/ Pay Rate: \$50,000-60,000 CAD per year (including benefits)

Start Date and Duration of Appointment: The position is available now, with an expected duration of not less than 12 months with the potential to renew for up to 3yrs.

Application: Please contact Dr. Rose McCloskey (rmcclosk@unb.ca) with a single PDF that includes: 1) a 1-page letter of interest describing your qualifications and highlighting all relevant skills and experiences; 2) a current CV including a list of publications; and 3) contact information for 3 references who can speak to your academic performance and research and collaborative abilities.

Review of applications will begin immediately and will continue until the position is filled.

The University of New Brunswick is committed to employment equity and fostering diversity within our community and developing an inclusive workplace that reflects the richness of the broader community that we serve. We welcome and encourage applications from all qualified individuals including women, visible minorities, Indigenous persons, persons with disabilities, persons of any sexual orientation, gender identity or gender expression. Preference will be given to Canadian citizens and permanent residents of Canada.