VACANCY/POSTE VACANT: Research Associate (Data Scientist)

REPORTS TO/SUPÉRIEUR HIÉRARCHIQUE: RBC Chair in Cardiovascular Nursing Research

LOCATION/EMPLACEMENT: Toronto, Ontario

STATUS/SITUATION: Temporary Part-Time (2 days per week for 6 months)

No. of VACANCIES/Nombre de POSTES VACANTS: 1 Hire

POSITION SUMMARY/RÉSUMÉ DU POSTE:

Are you intuitively good at balancing the art and science of prediction in healthcare applications? Are you a curious explorer, seeking broader patterns in your results? Are you driven by innovation in what you do as well as how you do it?

The RBC Chair in Cardiovascular Nursing Research at the Peter Munk Cardiac Centre is hiring a Research Associate (Data Scientist). You will work primarily with the Chair and collaborate with other clinical researchers seeking to utilize machine learning to deliver health system insights and decision tools to support nursing practice. The primary accountability of the Research Associate (Data Scientist) is to deliver advanced analytics solutions using machine learning methods to support our projects. This position is best suited for an inquisitive, highly analytical, self-guided and driven individual with excellent interpersonal and communication skills, and mastery of quantitative analysis and modelling.

RESPONSIBILITIES/RESPONSABILITÉS:

Core Expectations:

- Designs and develops machine learning solutions, including model definitions, data analysis and linkage, modelling methodology, and deployment
- Maintains up-to-date knowledge of emerging methodologies and applies them to machine learning solutions as appropriate

Leadership and Communications Expectations:

- Contributes to multi-disciplinary teams on projects from problem identification through to deployment of analytics products
- Presents methods and insights from complex analyses to and builds consensus among people from different disciplines with varying degrees of technical experience
- Interprets and translates clinical, quality and business requirements into concepts and analytical plans at the appropriate level of abstraction
- Makes well thought-out decisions on complex and/or ambiguous issues
- Strategically plans and executes multiple channels of analytics work
- Challenges conventional wisdom by suggesting alternative approaches to problem resolution
- Stimulates others to develop and share creative ideas

QUALIFICATIONS/QUALIFICATIONS:

- Master's degree in computer science, applied mathematics, operations research or recognized equivalent is required
- Minimum five years of experience in designing, developing and implementing modelling solutions
- Demonstrated ability to translate complex clinical or business questions into analytics products
- Subject matter expertise in a range of machine learning techniques gained through experience or advanced training (experience in modelling with small datasets is a strong asset)
- Expert knowledge of current programming, analytics and modelling software packages such as R or Python (preferably R).
- Excellent interpersonal and communication skills (written and oral), ability to work in a fast paced team environment as well as independently, and manage multiple analytical projects
- Experience in using Ontario's clinical and administrative databases a strong asset but not essential.

CLOSING DATE/DATE LIMITE: October 18, 2018