Tier 2 Canada Research Chair in Applied Health

The University of Winnipeg has designated a Tier 2 Natural Science and Engineering Research Council of Canada (NSERC) Canada Research Chair (CRC) in *Applied Health*. The University will be seeking an exceptional ***internal candidate*** for this position.

Applied health research aims to enhance the health of human individuals and populations, inform policy decisions and procedures relevant to human health, and improve delivery of healthcare and treatment of disease. It spans a number of disciplines, including but not limited to Applied Computer Science, Business and Administration, Biology, Chemistry, Economics, Geography, Kinesiology, Mathematics and Statistics, Physics, and Psychology. Under the purview of NSERC, applied health research can include: biostatistical methods; epidemiology; occupational health and safety; design and analysis of healthcare systems; electronic health applications and systems; health information systems; medicinal chemistry and drug design; immunology; neuroscience; genomics; physiology and biomechanics; cognitive science; nutritional sciences; sensory and motor systems; medical physics; and quantitative psychology.

By bringing together different disciplines, often in interdisciplinary configurations and using mixed methods, applied health research recognizes the many factors that influence health and disease and supports and measures evidence-based public health interventions. Applied health research seeks to understand fundamental processes in humans and animal models, the mechanistic structures and functions of the body that support health, and any relevant sex or gender differences through a variety of approaches, including developmental origins of health and disease, health informatics, and integrative approaches. Applied health research also emphasizes the identification of priority health problems, scientific evaluation of the effectiveness of health programs and policies, and managing the optimal use of available resources to meet the demands of increasingly complex health needs. In addition, this research looks at ways to prevent, diagnose, and manage illness and disease and promote health in humans with consideration given to relevant sex or gender differences, systemic health inequities, and social determinants of health.

This Canada Research Chair will lead an ambitious research agenda with an overarching focus on health across or within a targeted segment of the human life course and its implications for the improvement and development of effective health interventions, considering how biological and organizational systems can impact health and well-being. The more precise scope of the CRC within the broad field of applied health will be defined by the successful candidate in consultation with the Provost and Vice-President, Academic, and Vice-President, Research and Innovation. While this is a NSERC CRC, it is not required that applicants have a research funding history from NSERC; however, applicants are encouraged to note their plans to apply to NSERC in the future and should be able to articulate the novelty and innovation of their research proposal within NSERC program.