**Faculty Name** | **Description**  
--- | ---  
Lynda Balneaves RN, PhD  
Associate Professor  
[Lynda.Balneaves@umanitoba.ca](mailto:Lynda.Balneaves@umanitoba.ca) | **Medical Cannabis in Canada Following Legalization.** The aim of this national initiative is to illuminate the voices of key stakeholders, including patients, healthcare professionals, and industry partners, and their experiences related to medical cannabis since the legalization of non-medical cannabis in Canada. The undergraduate student will assist the principal investigator and other regional and national research partners (UBC, University of Toronto, Santé Cannabis, SheCann Cannabis Inc, Ekosi Health Centre, and Canopy Growth Corporation) in developing a national qualitative study that will explore how legalization of non-medical cannabis in 2016 has impacted Canadians’ use and access to medical cannabis, the authorization and healthcare service provision by clinicians, and medical cannabis product development by industry.  
To support this project, the student will conduct a scoping review of the international and Canadian literature regarding how the field of medical cannabis has been affected by the legalization of recreational cannabis across jurisdictions. The undergraduate student will also assist in the development of consent forms, interview guides, and study protocols for the qualitative study and will assist in data collection, including conducting interviews with key stakeholders. The student will lead the development of dissemination products, such as poster and/or manuscript, which will summarize the results of the scoping review and preliminary results of the qualitative study.
Joe Gordon, PhD  
Associate Professor  
Joseph.Gordon@umanitoba.ca

| Dr. Gordon’s research focuses on the regulation of mitochondrial function during cardiac and skeletal muscle differentiation and remodeling, including diabetic cardiomyopathy, insulin resistance, and hypoxia/ischemia. Dr. Gordon’s laboratory utilizes cell and molecular approaches to understand mitochondrial function, dynamics, and turn-over including the regulation of mitophagy and mitochondrial permeability transition. Specifically, Dr. Gordon’s laboratory studies the transcriptional regulation and post-translational modification of Bcl-2 family members utilizing both primary and immortalized cells, differentiated human induced pluripotent stem cells, and conditional knockout mice. |
Nicole Harder, RN, PhD  
Associate Professor  
Nicole.Harder@umanitoba.ca

Dr. Nicole Harder’s current research creates, implements, and studies the use of simulation as a pedagogy to teach technical and non-technical skills to healthcare providers and students. While primarily a qualitative researcher, she also uses mixed-methods and quantitative methods to evaluate the outcomes of the simulation interventions. Her current projects include the development of virtual simulation activities that address equity, diversity and inclusion in undergraduate education in the health professions.

Students who have an interest in nursing education, creating multi-media projects, and/or an interest in including more diversity in their undergraduate nursing education are encouraged to consider working with Dr. Harder and her small research team. Students will be involved in both developing and researching the simulation interventions that are part of her program of research.
Michelle Lobchuk RN, PhD
Associate Professor
Michelle.Lobchuk@umanitoba.ca

Overview of my research program and goals for Summer 2022

My In Your Shoes research program focuses on communication competence that is driven by the underlying empathic process of perspective-taking. Perspective-taking is the imaginative ability to understand another person’s thoughts and feelings. This empathic process is vital across employment sectors where patients, clients, customers, or students need to feel understood to meet their needs. My work in the CFI-funded CAreLab (communication lab) has focused on developing and testing our empathy-related video-feedback intervention that we call In Your Shoes (IYS). To date we have obtained high quality evidence in support of the effectiveness of our IYS desktop and stationary camera intervention on empathy-related outcomes. We have also created an innovative user-friendly and accessible IYS web browser application. Our next steps are to engage in proof-of-concept testing with the existing desktop method and the Internet-based prototype. I would like to work with an undergraduate student who is interested in communication processes, empathy, and technology. In addition, I would like to work with a student who is interested in learning about quantitative and qualitative research.

Expected Learning Activities for the Student:
1. Work with the investigative team in conducting a proof-of-concept project. In this project, we will conduct an experiment with multi-sector participants to compare the IYS Internet-based Training Portal with our current IYS desktop prototype, and validate user acceptability.
2. The student may assist the investigative team with the recruitment of participants and randomization of participants to one of two conditions.
3. The student may assist with executing phases of our intervention as part of the IYS desktop prototype (in the CAreLab at Grace Hospital, Winnipeg) or the IYS Internet-based Training Portal) in real-life settings; this includes pre- and post-intervention data collection (surveys and open-ended exit interviews). The intervention phases include: teaching participants about self-reflection and perspective-taking, video-capture, -tagging, and -analysis.
4. The student may serve as a rater in evaluating participants’ perceptual understanding score after their engagement in the assigned condition.
5. Other roles may include: data entry and data management, plus assistance in analyses and coding of exit interview responses in the assigned condition.
This position will offer students an exciting range of opportunities to work in a variety of multidisciplinary teams, on various clinically related projects that are lead or supported by Dr. Diana McMillan, Clinical Chair (Research) at HSC. Potential projects include 1) Development and testing of an innovative Community Care Model for Long-Covid Symptom Management; 2) impact assessment of the MB Telestroke program, 3) scoping review of virtual nursing interventions in a Covid and post-Covid context. Students will have an opportunity to learn about all aspects of a research project, including identification of a clinical question with clinical team members, rapid reviews of clinical questions, grant writing, ethics submission, data collection, data management and analysis and knowledge translation.
Daniel (Dan) Nagel, RN, PhD
Assistant Professor
Daniel.Nagel@umanitoba.ca

The primary focus of Dr. Nagel’s nursing practice has been in community health and working with diverse populations. His current program of research blends access to health care for underserved populations with educational preparation of pre-licensure healthcare students through the design and delivery of healthcare programs in the community. The main objectives of Dr. Nagel’s work are to explore alternative models of health care and curriculum design for future healthcare practitioners that: i) is based on experiential learning (i.e. practical hands-on); ii) reflects interprofessional practice; iii) leads to sustainable health programming in underserved communities (e.g. rural and remote area); and, iv) engages community stakeholders in design and implementation of programs to meet needs identified by the community.

Any student with an interest in community health and/or education, including education and sociology students, will have the opportunity to work alongside a core group of interdisciplinary researchers, educators and students to work on a number of potential projects to:

a. Assess community health needs through environmental scans and engagement with community stakeholders;

b. Assist in the implementation and evaluation of a proposed pilot program for a Community Respiratory Intervention & Support Program in the Southern Health-Santé Sud region;

c. Participate in targeted literature searches and systematic reviews related to community health programming and education of students in healthcare fields; and,

d. Assist in the preparation of manuscripts, grant applications, and related knowledge translation materials.
| Annette Schultz, RN, PhD  
Professor  
Annette.Schultz@umanitoba.ca | **Overview of my current research interests:**  
My research program explores health services and policy contexts in relation to health priorities. Thus my program of research commonly aims to understand diverse health system structural determinants of health, as a way to explain behavior. A common approach employed has been engaged research, which has included health decision makers, clinicians, and a variety of patient/public groups. Over the last few years, my research focus has included working with and mentoring Dr. Anna Chudyk, a CIHR funded postdoctoral fellow in the College of Nursing. The focus of her work has been the development of theory and scholarship that underlies patient engagement in research, and application of these learnings to clinical research and ultimately the care that patients receive.  

**Overview of summer research opportunity:**  
Patient engagement in research is an approach that involves meaningful and active collaborations between researchers and patients throughout all phases of a research project. It is recognized as a promising approach to the building of a sustainable, accessible, and equitable healthcare system along with the aim to improve health outcomes. **I, in collaboration with Dr. Chudyk, are looking to work with a summer student that is interested in learning more about patient engagement in research and being involved in a study that aims to determine guidelines for engaging patients in scoping reviews (a type of review of literature and other forms of evidence, with the aim to synthesize knowledge).**  

**Expected opportunities for summer student:**  
1. Working under the co-supervision of Dr. Anna Chudyk and Dr. Annette Schultz, the student will be part of an interdisciplinary working group that includes patient-researchers, other students, and a librarian, to working on a scoping review. The aim of this scoping review is to identify how patients have been engaged as co-researchers in scoping reviews and collaboratively develop best practice guidelines based upon evidence found.  
2. The student will take part in interdisciplinary meetings focused on study development and execution, as well as regular 1-on-1 check-in meetings to discuss attainment of desired learning objectives and progress with the study.  
3. The student will assist with screening studies for inclusion into the review and extracting relevant data from included studies.  

| Anna Chudyk, PhD  
Postdoctoral Fellow  
Anna.Chudyk@umanitoba.ca |
4. The student will be invited to assist with critically reflecting on the extracted data to help develop best practice recommendations. The student’s secondary tasks may include assisting with our other ongoing projects, as dictated by the student’s personal development goals for the summer research position and the projects’ needs and opportunities.
Sonia A. Udod, PhD, RN  
Assistant Professor  
sonia.udod@umanitoba.ca

**LEAD Outcomes Research**  
*Creating and Translating Evidence for Nursing LEADership and Health Services*  
https://leadoutcomesresearch.ca

My research program focuses on nurse leader development critical to the creation of high quality healthcare workplaces, leading to quality nurse, patient, and organizational outcomes. I am passionate about enhancing nurse leader capacity in the workplace and have a passion for teaching students to be effective leaders. Findings emerging from the LEAD Outcomes Research program have significant potential to inform and improve leadership practices and health services through translating relevant knowledge for nurse leaders.

My research interests include healthcare leadership, leader/manager role, and work environments. My current studies focus on healthcare leadership in the COVID-19 pandemic, health leader competencies, and crisis leadership. Currently, we are refining research questions for nurse leaders working in a VUCA environment (volatility, uncertainty, complexity, and ambiguity). Students will learn about different aspects of the research process and work within the LEAD research team. Research opportunities focus on qualitative methodologies and may involve literature searches, ethics submission, data collection, data management and analysis, and knowledge translation.
My research program, IN\textsuperscript{•}GAUGE, embraces a dynamic approach to involve children, youth and families; interact with researchers and knowledge users in the research, intervention and evaluation process; and be innovative in the use and exchange of knowledge with the combined goal of improving the health and well-being of children and youth. An integrated knowledge translation approach that engages children and families is a cornerstone of my research program. I seek to improve the ways in which children and families participate in health research and involve them in all aspects of my projects. My program is infused by an approach to knowledge inquiry that is grassroots, embedded in the needs, lived experiences and practices of children, youth and their families. I embrace a rights-based approach to research that recognizes that the voices of children and youth have in the past been silenced in research and in the decisions affecting their lives, including their health, and advocates for an approach that recognizes that children and youth are key actors in their own development, with the right to participate in decisions that affect them in accordance with their evolving capacities. In this regard, children and youth are key participants in the research process, contributing to the development, translation and exchange of knowledge. My research includes a wide range of health conditions: mental illness, complex care needs and conditions, chronic illnesses (i.e. hemophilia), cancer, brain tumors; as well as various communities: Indigenous youth and their families and African newcomer families. I use child-centered methodologies and innovative, art-based approaches in knowledge production and translation strategies that help children and youth express themselves and challenge notions of how they conceptualize certain phenomenon such as health and illness.