## Faculty List for Undergraduate Student Research Awards

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<th>Faculty Name</th>
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| Michelle Lobchuk RN, PhD  
Associate Professor  
Michelle.Lobchuk@umanitoba.ca  
204-474-7135 | My research focuses on developing theory-based communication interventions for patients, health care professionals, and family caregivers. My current intervention research foci are three-fold: |

1. “Clinician empathy is not just for patients! A Team Empathy Pilot Project”. The primary objective of this quasi-experimental study is to test the impact of an innovative perspective-taking video-feedback intervention on interprofessional team empathy in discharge rounds. The undergraduate student will be assisting with quantitative data entry and analysis of handwritten notes and transcribed interview responses from health care professional and patients toward the team empathy intervention. The student will also aid in the development of a final report of findings. |

2. “Is the In Your Shoes Mobile App as effective as the desktop method for promoting patient-clinician empathic engagement: A feasibility and proof of concept study”. The primary goal is to create an inexpensive, easy to use, evidence-based mobile app for pre-licensure clinicians to learn perspective-taking. The undergraduate student will be assisting with Phase 2 (Test and Validate the app with multidisciplinary health care students) project tasks such as preparation of the ethics application, online survey constructive, and receive training to conduct recruitment, data collection and coding, exit interviews, data entry, and data management in Dr. Lobchuk’s CAreLab at Grace Health Campus. |

3. “A randomized pragmatic feasibility trial to promote student perspective-taking on client physical activity: A Collaborative Project”. The primary purpose is to extend our currently funded interdisciplinary student study to determine the effect of instruction and practice in perspective-taking on their counselling competence. The secondary purpose is to engage in knowledge translation activities to implement our intervention within interdisciplinary units on campus. The undergraduate student may be assisting with project related tasks such as participant recruitment, data collection,
conducting exit interviews, and data management in the CAreLab. The student may also assist the investigative team in planning a large workshop with interdisciplinary instructors at the U of MB about promoting awareness and growing interest in uptake of the intervention (e.g., literature searching, preparation of workshop activities and written and/or PowerPoint materials, and evaluation of the workshop).

Joe Gordon, PhD
Associate Professor
Joseph.Gordon@umanitoba.ca
204-474-6668

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 turnover 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.

Els Duff, RN, NP, BScN, MEd, PhD
Assistant Professor
Elsie.Duff@umanitoba.ca
204-770-7188

As a nurse practitioner scientist, Dr. Duff works collaboratively with interdisciplinary teams to conduct research focusing on nurse practitioner education, practice and competence. She currently practices as a nurse practitioner in a primary care community setting and is an International Council of Nurses Nurse Practitioner/Advance Practice Nurse Research member.

Suggested possibly summer projects/activities:

1. Environmental scan of tools/surveys/measures that Canadian NP education programs use to survey NP graduates required for nurse regulator education program reviews, develop a poster presentation
2. Environmental scan of NP jurisdictional scope of practice comparisons, develop a poster presentation
3. Explore the databases that are available specific to NP practice at the Manitoba Centre for Health Policy and/or the Canadian Institute of Health Information research data repositories, literature searches stored in research/reference tool/management draft PICO research questions
4. Literature searches stored in research/reference tool/management, develop an infographic to disseminate knowledge of summer project(s) topics
| Nicole Harder, RN, PhD, CHSE, CCSNE  
Assistant Professor  
nicole.harder@umanitoba.ca  
204-474-6714 | Title: Simulation in Health Professions Education  
As the Mindermar Professor in Human Simulation, Dr. Nicole Harder is actively involved in education research to enhance outcomes of curriculum strategies to address patient safety and quality health care delivery. Her current work undertakes scholarly activities to create and enhance communication skills and procedural skills for health professionals and interprofessional health care teams. The undergraduate student will be involved in these activities. Research projects include conducting scoping reviews, designing simulation intervention activities, and evaluating the outcomes of simulation based learning experiences in the health professions. Other projects include addressing the psychological safety of practitioners involved in end-of-life, patient death, or withdrawing treatment through the use of simulation. |
| Roberta Woodgate, PhD  
Professor; Canadian Research Chair (Tier 1) in Child and Family Engagement in Health Research and Healthcare  
Roberta.Woodgate@umanitoba.ca  
204- 474-8338 | My research program, IN•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 |
Suzanne Lennon, RN, PhD  
Assistant Professor  
suzanne.lennon@umanitoba.ca  
204-474-7136

My program, of research focuses on parental-child health. This involves using a gender lens to study the experiences, health and well-being of the family unit as a whole, including the father. In my research I apply both qualitative and quantitative methods, as well as mixed method designs. My current projects involve a confirmatory factor analysis of an instrument designed to measure pregnancy risk perception and two systematic reviews, one on incentives to enhance utilization of prenatal care and the other to examine the inclusion of gender in risk perception studies. A summer student can expect to be involved in a number of research activities including, literature searches, assisting in developing grant proposals, assist in manuscript development as well as direct research activities such as participant recruitment and interviewing.

Diana McMillan, RN, PhD  
Associate Professor  
Diana.mcmillan@umanitoba.ca  
204-474-7295

1. The Manitoba Personalized Lifestyle Research Project (TMPLR): An exciting opportunity exists to work with Dr. Diana McMillan and a multidisciplinary team on various components of this ground-breaking, cross-sectional study of Manitobans to explore how sleep, activity, and diet interact with factors like genetics and gut microbiota to predispose individuals to chronic health conditions such as diabetes, and heart disease. As Sleep Lead in the project, I am particularly interested in the relationship of sleep health to chronic health risk factors. Sleep measures include both subjective and bio-behavioral tools such as sleep diaries, Actigraphy, and urinary melatonin. Opportunities exist to develop a range of skills including data management, data entry, literature reviews, and manuscript preparation and poster developments. (1 position available)

2. Health Sciences Centre – Research Assistant to the Associate Professor of Clinical Practice: This position will offer students a 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, Associate Professor of Clinical Practice at HSC. 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. (2 positions available)
1. Medical cannabis in dementia care: Exploring attitudes, experiences and the decision-making processes of patients, family members and healthcare professionals. The aim of this project is to uncover how medical cannabis is being addressed and experienced within dementia care settings within Canada from the perspective of patients living with dementia, their family members and their healthcare providers. The undergraduate student will be assisting the PI in the development of a national research grant, including assisting in development of an environmental scan of current policies and standards related to medical cannabis in dementia care in Manitoba/Canada, and in the creation of study material, such as consent forms, interview guides, surveys and study protocols. The student will assist with the development of dissemination products, such as poster and/or manuscript, which will summarize the results of the environmental scan.

2. Cannabis on Campus. The aim of this nascent national initiative is to examine current policies and procedures on university and college campuses across Canada regarding the use of medical and non-medical cannabis by university students, faculty and staff. The undergraduate student with assist the PI and other national researcher partners (UBC, U of Calgary) in developing a national environmental scan of university/college policies, procedures and infrastructure related to medical and non-medical cannabis use on campus, as well as existing education and harm reduction programs targeting cannabis use. The student will also conduct a scoping review of the international literature regarding the use of medical and non-medical cannabis by university/college students and associated programs and policies developed by post-secondary institutions. If warranted, a national mixed method study will be launched to gather information from administrators at post-secondary institutions regarding their current and future activities related to the upcoming legalization of non-medical cannabis and where gaps in harm reduction services and education may exist. The undergraduate student will assist in the development of consent forms, interview guides, surveys and study protocols for this project and may assist in the data collection. The student will lead the development of dissemination products, such as poster and/or manuscript, which will summarize the results of the environmental scan and scoping review.
Lynn Scruby, RN, PhD  
Assistant Professor  
lynn.scruby@umanitoba.ca  
204-474-6659

My research program in the College of Nursing is about providing care to vulnerable populations in the community within the context of social justice. Currently my collaborative research team is comprised of interprofessional colleagues from the Rady Faculty of Health Sciences. We are researching the experiences of refugees and providers of refugee care within the health care system in Manitoba. We have completed the qualitative inquiry phase of the study through face to face interviews with refugees and providers and we are now ready to move to phase two which consists of survey distribution to identified disciplines of health care providers. A summer undergraduate research student would be able to work with me and the research team to do the following: Update a literature review; prepare a poster for presentation; and, help us to design an educational experience for university students in the Rady Faculty of Health Sciences based on our research findings. Mentoring university students is what we do as faculty members. We welcome the opportunity to work with a summer undergraduate student in a supportive research environment.

Donna Martin, RN, PhD  
Associate Professor  
donna.martin@umanitoba.ca  
204-474-6716

An international team will be conducting a systematic review examining current research in nursing education. A proposed knowledge mobilization project to address child poverty in Manitoba is another proposed summer project. The summer student will gain research experience through working with a supportive research team and environment and valuable skills in doing a systematic review.
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<th>Mandy Archibald, PhD</th>
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My research program aims to better understand, represent, and apply research on individual and family experiences of chronic illness to inform clinical care, using arts-based, mixed methods, and knowledge translation approaches. Within a supportive, interdisciplinary environment, undergraduate students will have the opportunity to gain hands-on research skills in various domains of this work including: ethics submissions; literature reviews; qualitative and arts-based data collection, management, and analysis; creative data representation; abstract and manuscript writing; poster development and additional creative knowledge translation activities.

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<th>Sonia Udod, RN, PhD</th>
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My program of research aims to support healthcare leaders and advance healthcare leadership, nurses’ work environments, and health systems, and healthcare policy. Nurse leader development is critical to the creation of high-quality healthcare workplaces and leads to improved health services delivery, improved quality of care for patients, healthy workplaces for healthcare providers and better organizational outcomes. The undergraduate student will gain experience in qualitative research.