

Supervisor Contact Information	Research Project and Supervisor Preferences/Student Requirements
Dr. Zaina Albalawi Medicine – Endocrinology & Metabolism Email: zalbalawai@mun.ca	Research Project: Diabetes and limb preservation Evaluating provincial diabetes-related lower limb amputation rates and associated mortality.
Dr. Shabnam Asghari Family Medicine Email: Shabnam.Asghari@med.mun.ca	Research Project: Primary Healthcare, Rural Medical Education, Healthcare Innovation The team at the Centre for Rural Health Studies (CRHS) works to build capacity for rural health research. As part of this, faculty on the team work with rural physicians to develop new research ideas and facilitate their research projects. Students, with directed supervision, may assist with a number of related duties, including completing literature searches, writing/drafting, and performing data analysis, as required.
Dr. Susan Avery Family Medicine Email: savery@mun.ca	Research Project: Family Medicine-Low Risk Obstetrics Program Evaluation Family Centered Maternity Care (FCMC) provides low-risk FM-OBS prenatal, intrapartum and postpartum care to patients. FCMC also works collaboratively with the Discipline of Family Medicine to train family medicine residents. We have been involved in evaluating different aspects of the patient care and resident training FCMC provides as a portion of our multi-part, overarching program evaluation project. At this point we have completed surveys regarding patient and resident experiences and satisfaction. The successful student would participate in the next stage of the project, and with the guidance of faculty, analyze the patient survey data (primarily descriptive statistics and comparisons/regression). Thus experience in statistics and the use of Excel/SPSS would be a necessary asset. Additional tasks may include preparing an abstract, written report and/or poster summarizing the surveys' findings.
Dr. Krisztina Bajzak Medicine - Obstetrics & Gynecology Email: kbajzak@yahoo.com	Research Project: This project will act as a continuation of ongoing research carried out by Dr. Bajzak. A prior SURA student created a short online Female Sexual Health Curriculum, a resident survey regarding feelings of confidence and competency in female sexual health clinical scenarios and female sexual health OSCEs. Several new guidelines have been published since this was created and the curriculum requires update and final revision. Ob/Gyn Residents perform OSCEs 1-2 times per year as part of their normal curriculum. Resident level OSCE scenarios have been developed by a prior SURA student regarding female sexual health concerns. The plan is to administer the survey to Ob/Gyn Residents immediately following one of their OSCE sessions (where they would have been presented with a Female Sexual Health scenario), then offer residents the opportunity to complete the short curriculum. Ob/Gyn residents will then perform a sexual health scenario at a subsequent OSCE and then complete the survey again, to assess if the curriculum improved learner confidence.
Dr. Kathleen Callanan Medicine - Outpatient Psychiatry Email: Kathleen.callanan@easternhealth.ca	Research Project: Research Project relates to outpatient work, involves literature review and chart review around complexity indicators and tracking for outpatient clinic presentations.
Dr. Sandra Cooke-Hubley and Dr. Jane Green Medicine – Endocrinology and BioMedical Sciences (Genetics) Email: s.cooke@mun.ca and janeg@mun.ca	Research Project: Multiple Endocrine Neoplasia Type1 (MEN1) is a genetic condition which is highly prevalent in the Newfoundland population. The goal of this project would be to characterize the epidemiology and natural history of this disease through chart reviews, completing the database and performing descriptive analysis. A better understanding of the natural history of MEN1 in Newfoundland would help with improving the screening protocol for earlier identification and treatment of members of this family. Because this is a large MEN1 family, the results could also help with management of MEN1 families elsewhere.
Dr. Peter Daley Medicine - Infectious Diseases Email: pkd336@mun.ca	Research Project: Infectious Diseases My research activities include antimicrobial stewardship, hepatitis C, bacterial infections, public health, tuberculosis, clinical trials, C. difficile diarrhea, COVID-19 treatment, harm reduction, and correctional health. I can supervise student projects in secondary use of data or collection of new data.

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Dr. Stephen Darcy Family Medicine Email: sdarcy@mun.ca	Research Project: Social Determinants of Health Collating information on how clinics have used information on the SDH of their patients through an environmental scan. To be used in a later research project that may require ethics etc. Updating and digitizing a community resource list for the Shea Heights Clinic.
Dr. Anne Drover Medicine - Pediatrics Email: adrover@mun.ca	Research Project: This student will work with Dr. Drover and the Substance use in Pregnancy working group to develop educational resources for health care providers in delivering education regarding pregnant people and substance use disorder.
Dr. Liam Fardy Medicine - Pediatrics Email: lfardy@mun.ca	Research Project: We will be developing clinical guidelines for use on the Well Baby Unit (5NB) based on clinical evidence gathered through literature searches and through discussions with experts from the appropriate sub-specialties.
Dr. Wendy Graham Family Medicine Email: wendy.graham@med.mun.ca	Research Project: Primary Healthcare, Rural Medical Education, Healthcare Innovation The team at the Centre for Rural Health Studies (CRHS) works to build capacity for rural health research. As part of this, faculty on the team work with rural physicians to develop new research ideas and facilitate their research projects. Students, with directed supervision, may assist with a number of related duties, including completing literature searches, writing/drafting, and performing data analysis, as required.
Dr. Delphine Grynszpan Community Health & Humanities Email: dgrynszpan@mun.ca	Research Project: Planetary health scholarship among medical learners The project focuses on assessing the preexisting knowledge, interest and learning needs of UGME students and residents about climate and environmental change issues and solutions. It will inform the developing field of planetary health education (peer-reviewed publications) as well as the development of programs within the university. Depending on timing, interest and skills, the applicant can work on a literature review, survey & focus group design and/or data analysis.
Dr. Francois Guigne Family Medicine Email: fguigne@mun.ca	Research Project: Program Evaluation, Underserved Populations, Medical Education The project entails conducting scripted exit interviews of the last two Care of Underserved Populations Enhanced Skills Program residents and transcribing the interviews. Possibly helping upload exit interview questions to qualtrics.
Dr. Connie Hapgood Medicine - Radiology Email: connie.hapgood@easternhealth.ca	Research Project: Breast Cancer Radiology plays an essential role in breast cancer diagnosis. This audit aims to assess the abnormal recall rates of local breast imaging studies such as mammogram and breast MRI, comparing the rates to national standards. This quality control measure aims to limit patient anxiety by addressing false positives as a result of high recall rates. This audit also aims to assess time to diagnosis in radiology as it relates to breast cancer diagnosis. The length of time between when an abnormality is detected on breast imaging, to time of biopsy and to time of surgery will be assessed locally. Information obtained from this audit will help guide educational initiatives and departmental practices in breast cancer detection, management and timely access to treatment. This in turn positively influencing patient center care for breast cancer patients.
Dr. Jo-Anna Hudson Medicine - Pediatrics (Neonatology) Email: Joanna.hudson@easternhealth.ca	Research Project: Completing provincial epidemiology database moderate and late preterm infants and sourcing specific chart review for quality improvement initiatives. Work would include chart review and data entry.
Dr. Chris Kovacs Medicine - Endocrinology & Metabolism Email: ckovacs@mun.ca	Research Project: Regulators of increased intestinal calcium absorption during pregnancy We will investigate the ability of prolactin (PRL) and placental lactogen (PL) to increase intestinal calcium absorption during pregnancy, independently of calcitriol and vitamin D receptor (VDR) by treating WT and Vdr null mice with placebo vs. bromocriptine to lower PRL & PL, and assaying their effects on intestinal absorption of ⁴⁵ Ca given by oral gavage.

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Dr. Angélique Myles Medicine - Psychiatry Email: angelique.myles@mun.ca	Research Project: Telepsychiatry Update to a project completed in June 2020 that surveyed Canadian psychiatry residents' interest, exposure, and future plans to use telepsychiatry. Gather ongoing data as resident attitudes and opinions changed over the course of the pandemic.
Dr. Maisam Najafizada Community Health & Humanities Email: maisam.najafizada@med.mun.ca	Research Project: Health literacy and global mental health This project aims to translate knowledge on global mental health for the general public using social media platforms.
Dr. Noel O'Regan Medicine - Anesthesiology Email: noel.oregan@med.mun.ca	Research Project: Simulation-based medical education has become integral to many medical specialties. The simulated environment attempts to be as real as possible so participants feel like the situation is almost real. Sometimes using real equipment introduces obstacles to participants 'buy-in'. For Anesthesia, the anesthetic machine is typically such an obstacle. Machines in simulation labs typically are old, out of service and have maintenance problems. Our team believes that having a simulated anesthetic machine would be much easier for participants to use and cost effective compared to a real machine. The student for this project would be expected to conduct a literature search on realism in simulation based medical education, specifically in anesthesia. The student would also be working with anesthesia residents towards a 'proof of concept' simulated anesthetic machine. Skills that would benefit this project would include 3D printing, coding, use of Arduino Microcontrollers and a good grasp of cardiovascular and respiratory physiology.
Dr. Chris Patey Family Medicine Email: pateycp@gmail.com	Research Project: Emergency Medicine, Rural Family Medicine, Healthcare Quality Improvement The SurgeCon study is a research initiative looking to improve emergency department wait times and patient satisfaction. This SURA position will involve research tasks and activities that will support faculty and staff involved in various sub-projects.
Dr. Qi Yuan BioMedical Sciences (Medicine) Email: qi.yuan@med.mun.ca	Research Project: Alzheimer's animal models; learning and memory; neuroscience Brain biomarkers for learning and memory, and Alzheimer's disease pathogenesis.