

Principal-Investigators		Department(s)	Project Title
1	Dr. Jacob Alhassan	Community Health and Epidemiology	<i>Rural transportation for health equity: A health impact evaluation of an innovative community initiative (The Kikinahk Free Bus Service)</i>
2	Dr. Changting Xiao	Anatomy, Physiology and Pharmacology	<i>Gut Secretome during Fat Absorption in Metabolic Health and Disease</i>
3	Drs. Juan-Nicolas Peña-Sanchez & Sharyle Fowler	Biochemistry, Microbiology and Immunology & Division of Gastroenterology	<i>A Peer Indigenous Patient Navigator Program for Indigenous Individuals Living with Inflammatory Bowel Disease</i>
4	Drs. Sabira Valiani & Jennifer O'Brien	Medicine & Anesthesiology	<i>Healing Together: Understanding and engaging healthcare providers to expand bereavement support in the ICU.</i>
5	Dr. Brian Eames	Anatomy, Physiology and Pharmacology	<i>Exploring the role of proteoglycan sulfatases in skeletal development</i>
6	Dr. Kiven Eriqwe Lukong	Biochemistry, Microbiology and Immunology	<i>Identify and validate synthetic dosage lethality genetic interactors of BRK in breast cancer</i>
7	Dr. Rachel Engler-Stringer	Community Health and Epidemiology	<i>Development and Validation of a School Food Program Typology for Canadian Communities</i>
8	Dr. Brady Bouchard	Emergency Medicine	<i>Phenobarbital versus benzodiazepines for alcohol withdrawal syndrome: a pilot multicentre, randomized controlled trial</i>
9	Dr. Cari McIllduff	Community Health and Epidemiology	<i>Self-determined, Sovereign Research: Health Programming to Support Remote Indigenous Older Adults with Technology Use and its impact on mental health and wellbeing</i>
10	Drs. Niels Koehncke & Monique Mayer	Medicine & Small Animal Clinical Sciences (WCVM)	<i>Dose to the Lens of the Eye in Veterinary Workers Performing Fluoroscopic Procedures</i>
11	Dr. Robert Woods	Emergency Medicine	<i>Improving Trainee Assessment in Post-graduate Medical Education using Artificial Intelligence</i>

12	Dr. Scott Adams	Medical Imaging	<i>Generative artificial intelligence to minimize iodine-based contrast media in CT angiography</i>
13	Dr. Kaitlin Adey	Surgery	<i>Universal blood borne infection testing among Canadian trauma patients: An opportunity for secondary prevention</i>
14	Dr. Tracey Carr	Community Health and Epidemiology	<i>Evaluating a Patient Centred Learning Health System Initiative: A University and Health System Collaboration</i>
15	Drs. Michael Dean Chamberlain & John DeCoteau	Oncology & Pathology and Laboratory Medicine	<i>Improving the understanding of homologous recombination deficiency and PARP inhibitors in ovarian cancer.</i>
16	Dr. Linda Chelico	Biochemistry, Microbiology and Immunology	<i>Effect of APOBEC3 enzymes on immune recognition of breast tumors</i>
17	Dr. David Cooper	Anatomy, Physiology and Pharmacology	<i>Exploring the Anabolic Window of Parathyroid Hormone: Four-Dimensional Tracking of Bone Microstructural Dynamics in the Rabbit Model using Synchrotron-based Imaging</i>
18	Dr. Oleg Dmitriev	Biochemistry, Microbiology and Immunology	<i>The Role of MEMO1 Protein in Regulating Major Metabolic Pathways in Cancer Cells</i>
19	Dr. Brittany Ellis	Emergency Medicine	<i>Does an age modifier improve trauma triage criteria sensitivity in identifying older trauma patients?</i>
20	Dr. John Howland	Anatomy, Physiology and Pharmacology	<i>The role of retrosplenial cortex in cognitive symptoms of neurodevelopmental disorders.</i>
21	Dr. Anand Krishnan	Anatomy, Physiology and Pharmacology	<i>Novel autograft approaches combined with the use of autologous Schwann cells for screening potential nerve repair therapies</i>
22	Dr. Stacey Lovo	School of Rehabilitation Science	<i>Artificial intelligence-assisted ultrasound image acquisition</i>
23	Dr. Steven Machtaler	Medical Imaging	<i>Imaging Cisplatin-Induced Acute Kidney Injury Using Ultrasound Molecular Imaging</i>

24	Dr. Brianne Philipenko	Medicine	<i>STAPLE (Severe asThmA PuLmonary rEhab): Examining the effects of a remote pulmonary rehabilitation program delivered by mobile application in the severe asthma population.</i>
25	Dr. Peter Pioli	Biochemistry, Microbiology and Immunology	<i>Deciphering Neonatal Thymus B Cell Development Using Single Cell RNA-Sequencing</i>
26	Dr. Alan Rosenberg	Pediatrics	<i>Demystifying the Etiopathogenesis of Juvenile Idiopathic Arthritis by Applying Quantum Computing to Analyze Antinuclear Antibodies</i>
27	Dr. Sylvia van den Hurk	Biochemistry, Microbiology and Immunology	<i>Metabolic profiling of the response to an experimental respiratory syncytial virus subunit vaccine.</i>
28	Dr. Yuliang Wu	Biochemistry, Microbiology, and Immunology	<i>Role of DDX41 Helicase in Homologous Recombination Repair and MDS/AML</i>
29	Dr. Jim Xiang	Oncology	<i>Novel TGF-β blockade greatly augments therapeutic efficacy of IRE+ComboNew ablation for metastatic melanoma</i>
30	Dr. Wei Xiao	Biochemistry, Microbiology and Immunology	<i>Regulation of DNA-damage tolerance in a yeast model</i>