

Principal-Investigator	Department	Project Title
Dr. Scott Adams	Medical Imaging	AI-Assisted Detection and Reporting of Line and Tube Placement
Dr. Justin Botterill	Anatomy, Physiology, and Pharmacology	The role of hilar mossy cells in hippocampal circuit dysfunction and behavioural deficits in a mouse model of autism spectrum disorder.
Dr. Tim Bradley	Pediatrics	Targeting Arterial Stiffness in Kidney disease in children (TASK) study
Dr. Valerie Caron	School of Rehabilitation Science	Assessing the need for pediatric gait analysis in Saskatchewan: a mixed methods needs assessment
Dr. Francisco Cayabyab	Surgery	Caffeine-based Dimers as Potential Therapeutic and Diagnostic Tools in Parkinson's Disease
Dr. Dean Chamberlain	Oncology	Pooled CRISPR Screen for Synthetic Lethality with PTTG1 in a 3D Tumor Model
Dr. Michelle Collins	Anatomy, Physiology, and Pharmacology	The Brain-Heart Axis: Exploring Heart Health in a Model of Autism-Spectrum Disorder
Dr. Sarah Donkers	Rehabilitation Science	Intermittent low oxygen breathing: a first study in people with MS testing at different disease stages (LOxyMS)
Dr. Brian Eames	Anatomy, Physiology, and Pharmacology	Growth factor modulators? Generation and analyses of proteoglycan sulfation mutant zebrafish
Dr. Rachel Engler-Stringer	Community Health & Epidemiology	From the Land to the Lunchroom: Evaluating School Food with Indigenous Communities
Dr. Andrew Freywald	Pathology and Laboratory Medicine	Novel Combination Therapy for Triple Negative Breast Cancer
Dr. Jonathan Gamble	Anesthesiology	Cardio-Cerebral Coupling: An Experimental Study of Cardiac Output and Brain Tissue Perfusion in Porcine Models with an Embedded Enteral Ventilation Sub-study
Dr. Sebastien Gauvrit	Anatomy, Physiology and Pharmacology	Characterizing revascularization during zebrafish brain regeneration following a stroke
Dr. John Howland	Anatomy, Physiology, and Pharmacology	Methamphetamine use during pregnancy: effects on maternal and offspring behaviour and brain health.
Dr. Hope Jervis-Rademeyer	School of Rehabilitation Science	Understanding perspectives about SCI healthcare and access: Relationship building with Indigenous Peoples in Saskatchewan
Dr. Justina Koshinsky	Anesthesiology	How fresh is your doctor? Recovery of Anesthesiologists' Cognitive Function After Night Call Shifts
Dr. Andrea Lavoie	Cardiosciences	Addressing Sex-Based Disparities in Heart Failure with Reduced Ejection Fraction (HFrEF): A Prospective Cohort Study on Patient-Reported Outcomes and Equitable Access to SGLT2 Inhibitors in Saskatchewan.
Dr. Mita Manna	Medicine	Understanding the biological drives of poor prognosis of triple-negative breast cancer with abnormal MRI findings
Dr. Stephen Milosavljevic	School of Rehabilitation Science	Occupational Whole-Body Vibration: The Impact on Cognitive Function and Neural Biomarkers
Dr. Erika Penz	Medicine	Understanding Perinatal Mental Health in Complex Life Circumstances: A Population-Based Study in Saskatchewan
Dr. Brianna Philipenko	Medicine	Women's awareness of asthma management during pregnancy

Dr. Alan Rosenberg	Pediatrics	Unraveling the Characteristics, Clinical Associations, and Biological Immunofluorescence Patterns in Juvenile Idiopathic Arthritis
Dr. Sarah Smith	Obstetrics and Gynecology	Exploring Perinatal Depression Among Immigrant and Non-Immigrant Women: Identifying Disparities Through a Mixed-Methods Study
Dr. Franco Vizeacoumar	Oncology	Validation of biomarkers for bladder cancer
Dr. Tyler Wenzel	Psychiatry	Characterizing the roles of oxytocin and its primary receptor in human models to better understand human behavioral disorders
Dr. Ghita Wiebe	Pediatrics	From Waitlists to What Matters; Redesigning Autism Systems of Care with Families in Saskatchewan
Dr. Yulaing Wu	Biochemistry, Microbiology, and Immunology	Role of DDX41 Helicase in ALT pathway and MDS/AML
Dr. Jim Xiang	Oncology	Novel dual CD40/41BB agonists strengthen IRE ablation therapy for metastatic melanoma via activation of cDC1 and TRM cell responses and modulation of TME
Dr. Wei Xiao	Biochemistry, Microbiology and Immunology	Mechanisms of signal transduction in DNA-damage tolerance