

2016 CoMRAD Highlights

In 2016, the Office of the Vice-Dean Research invested a total of **\$693,691** in the College of Medicine Research Awards (CoMRAD) program, providing seed funding for **28 novel, pilot research projects** spearheaded by College of Medicine faculty.

Since the completion of their projects, faculty have reported a number of additional successes in research as a direct result of receiving 2016 CoMRAD funding:

- **\$2,006,265** external funding received
- **22** scholarly papers published
- **36** conference proceedings
- **22** abstracts
- **38** invited lectures & seminars

Successful 2016 CoMRAD Projects:

Principal Investigator	Project Title
Dr. Camelia Adams	<i>The impact of adult attachment on depression severity and trauma recollection over time</i>
Dr. Deborah Anderson	<i>Role of CREB3L1 in Lung Squamous Cell Carcinoma</i>
Dr. Catherine Arnold	<i>Determining factors impacting fall injury risk using lab based and computer simulated falling on the outstretched hands (FOOSH) in older women</i>
Dr. Julia Boughner	<i>A newly discovered role for physical contacts among head muscles and bones during healthy musculoskeletal development and growth</i>
Dr. Brent Burbridge	<i>Evaluation of a telerobotic ultrasound system to perform remote obstetrical examinations</i>
Dr. Oleg Dmitriev	<i>Mechanism of Dysregulation of the Human Copper Transporter ATP7B in Wilson Disease</i>
Dr. Rachel Engler-Stringer	<i>Good Food for Learning: An Examination of the Current State of School Food in the Saskatoon Region</i>
Dr. Andrew Freywald	<i>Targeting resistance to anti-EphA2 treatment in triple-negative breast cancer</i>
Dr. Donna Goodridge	<i>To go or not to go? Decision making processes of older adults seeking non-urgent treatment in the Emergency Department</i>
Dr. Gary Groot	<i>Understanding patients' perspectives of the process and impacts of immediate and delayed breast reconstruction surgery</i>
Dr. John Howland	<i>Perineuronal nets in medial prefrontal cortex: roles in the pathophysiology associated with schizophrenia</i>
Dr. George Katselis	<i>Predicting Childhood Asthma in Saskatchewan Using Urine Proteomics</i>
Dr. Michael Kelly	<i>Synchrotron-based imaging of the biochemical, elemental and histologic changes in ischemic stroke using a Middle Cerebral Artery Occlusion mouse model</i>
Dr. Soo Kim	<i>Prevalence and Musculoskeletal Risk Factors of Shoulder Dysfunction in Breast Cancer Survivors</i>
Dr. Shelley Kirychuk	<i>Effect of low dose carbon dioxide and ammonia on barn dust induced lung inflammation</i>
Dr. Katherine Knox	<i>Perspectives on walking amongst persons with multiple sclerosis</i>
Dr. Gary Linassi	<i>Understanding self-management in persons living with spinal cord injury: a descriptive, exploratory study</i>
Dr. Stephane Madill	<i>An investigation of the links between osteoporosis and urinary incontinence in older women, a proteomics study</i>
Dr. Gregory Malin	<i>How self-determination affects medical student empathy</i>
Dr. Ivar Mendez	<i>Evaluation of a Smartphone Application for Suicide Prevention among Indigenous Youth and Young Adults</i>
Dr. Michael Moser	<i>Preclinical study of the protective effect of doxycycline on the warm ischemic injury of Donation after Circulatory Death (DCD) transplant kidneys</i>
Dr. Joseph Ndisang	<i>A novel strategy to protect the glomerular filtration barrier in diabetic nephropathy</i>
Dr. Mateen Raazi	<i>Randomized Controlled Trial of the Internet-delivered Preoperative Preparation Program (I-PPP)</i>
Dr. Greg Sawicki	<i>Inhibitors of matrix metalloproteinases, kinases and nitric oxide synthase synergistically protect heart from I/R injury</i>
Dr. Michael Schwandt	<i>Impacts of wildfire smoke on health service utilization during a major forest fire event in Saskatchewan</i>
Dr. Roona Sinha	<i>Achieving Better Cell Counts Trial (ABC's Trial)</i>
Dr. Catherine Trask	<i>The combined effects of whole body vibration and fatiguing tasks on human performance: Addressing risk factors for vehicle collisions</i>
Dr. Jim Xiang	<i>Identification of optimal radiofrequency-generated temperature induces a balanced apoptosis and necrosis formation leading to efficient pancreas cancer ablation and CTL responses post radiofrequency ablation</i>