



UNIVERSITY OF SASKATCHEWAN

# College of Medicine

OFFICE OF THE VICE-DEAN RESEARCH  
MEDICINE.USASK.CA/RESEARCH.PHP

## 2020 CoMRAD: RESEARCH RESUMPTION AWARDEES

In 2020, The Office of the Vice-Dean Research invested a total of **\$856,119.49** in the College of Medicine Research Awards (CoMRAD) program, providing seed funding for **30** novel, pilot research projects spearheaded by College of Medicine faculty. **\$342,705.56** of the total dollar amount awarded was made possible through our College of Medicine donor funds.

Successful 2020 CoMRAD Projects:

	Principal Investigator	Project Title
1	Dr. Deborah Anderson	<i>New drugs for metastatic luminal A breast cancer</i>
2	Dr. Terra Amason	<i>Mechanisms of APC dysfunction and restoration in chemoresistant breast cancer</i>
3	Dr. Rachel Asiniwasis	<i>Virtual Dermatology Clinics in Remote and Northern Saskatchewan Indigenous Communities: Addressing Challenges and Exploring Opportunities.</i>
4	Dr. Angie Baerwald	<i>Three-Dimensional Ultrasonographic Detection of Human Ovulation</i>
5	Dr. Lane Bekar	<i>Is the putative improved efficacy of lithium orotate attributable to unique characteristics of the orotic acid carrier?</i>
6	Dr. Veronica Campanucci	<i>Role of CFTR in sensory neuron dysfunction</i>
7	Dr. Linda Chelico	<i>APOBEC3 and Prefoldin Subunit 3 (PFDN3) interactions contribute to restriction of HIV-1</i>
8	Dr. Thomas Fisher	<i>Mechanisms underlying the osmosensitivity of the neurons regulating airway submucosal glands</i>
9	Dr. Andrew Freywald	<i>Re-purposing existing FDA-approved compounds for treating EphB6-deficient triple-negative breast cancer</i>
10	Dr. Donna Goodridge	<i>Virtual Dementia Caregiver Support: A Mindfulness-Based Approach to Foster Coping Skills</i>
11	Dr. Gary Groot	<i>COVID-19 Evidence Response Team: A Realist Evaluation</i>
12	Dr. John Howland	<i>Golden hamsters as a model for the effects of SARS-CoV-2 infection on sensory discrimination and social behaviour</i>
13	Dr. Juan Janowski	<i>Cellular basis of cystic fibrosis lung disease: is abnormal function of the airway epithelia ionocyte cell population the pathogenic event?</i>
14	Dr. Shelley Kirychuk	<i>Recovery of Viruses during Common Ventilation Practices</i>
15	Dr. Kerri Kobryn	<i>Role of the DNA annealing activity of Agrobacterium tumefaciens telomere resolvase</i>
16	Dr. Steven Machtaler	<i>Molecular Imaging as a Tool for Identifying Contaminated Water Sources in First Nations Communities of Saskatchewan</i>
17	Dr. Paul Mick	<i>Multisensory impairment among older Canadian adults: An analysis of the Canadian Longitudinal Study on Aging</i>

18	Dr. Cory Neudorf	<i>Untangling Public Health Surveillance in Canada and the Development of a Learning Public Health System in Canada</i>
19	Dr. Paul Olszynski	<i>Ultrasound Localization To Resuscitate in Arrest (ULTRA)</i>
20	Dr. Rajan Rakheja	<i>Investigation of the Sensitivity and Specificity of 68Ga-HBED-CC-PSMA PET/CT in Prostate Cancer</i>
21	Dr. Darrien Rattray	<i>The use of fundal block during NovaSure endometrial ablation to reduce intraoperative pain: A randomized controlled feasibility study</i>
22	Dr. Alan Rosenberg	<i>Synchrotron Radiation-based Micro-computed Tomography Imaging to Advance Understanding of Chronic Non-bacterial Osteomyelitis in Children</i>
23	Dr. Scot Stone	<i>Determining the Role of MGAT3 in Intestinal and Hepatic Triacylglycerol Metabolism</i>
24	Dr. Eric Sy	<i>Patient perspectives of direct discharge home from the Intensive Care Unit (ICU)</i>
25	Dr. Brent Thoma	<i>Enhancing competency-based medical education assessment with machine learning, natural language processing, and other advanced analytic techniques</i>
26	Dr. Sabira Valiani	<i>Exploring the impact of COVID-19 visitor restrictions on patient and family centered care in Canadian ICUs</i>
27	Dr. Valerie Verge	<i>Advancing a novel therapy for repair in MS toward translation</i>
28	Dr. Scott Widenmaier	<i>Role of stress-adaptive transcription factors in orchestrating HDL composition</i>
29	Dr. Yuliang Wu	<i>Role of hSSB1 in R-loop Formation, Transcription Regulation and Tumorigenesis</i>
30	Dr. Jim Xiang	<i>Eradication of A1:H31f both primary and concomitant distant prostate cancers by irreversible electroporation (IRE)-ablation combining with TLR-agonists and PD-1-blockade via converting immunotolerant tumor microenvironment</i>