

## Research Funding

### Jul 1, 2021 – Jun 30, 2022

Principal Investigator: **Alkins R (Surgery)**  
Sponsor: CANADA FOUNDATION FOR INNOVATION - IOF

Total Awarded: \$45,000  
Project Title: Enhancing CAR cell immunotherapy of brain tumours with MRI-guided focused ultrasound

Principal Investigator: **Borschneck D (Surgery)**  
Sponsor: MCMASTER HEALTH SCIENCE – Research Contract  
Total Awarded: \$9,000  
Project Title: Soft-tissue Quadriceps autograft ACL-reconstruction in the Skeletally-immature vs. Hamstrings (SQuASH)

Principal Investigator: **Brogly S (Surgery)**  
Sponsor: QUEEN'S UNIVERSITY - Scholarly Research and Creative Work and Professional Development (Adjuncts)  
Total Awarded: \$2,500  
Project Title: Endometriosis & Birth Defects

Principal Investigator: **Chung W (Surgery)**  
Co-Investigators: Bechara R (Medicine); **Hanna N (Surgery)**; Rodrigues D (Medicine); **Williams E (Surgery)**  
Sponsor: MEDTRONIC – Research Contract  
Total Awarded: \$48,150  
Project Title: Can EndoFLIP improve quality of life after fundoplication?

Principal Investigator: **Cook, DJ (Surgery)**  
Sponsor: MITACS - Accelerate  
Total Awarded: \$135,000  
Project Title: Mitacs Accelerate: Neuromodulation for Post-Stroke Rehabilitation

Principal Investigator: **Cook DJ (Surgery)**  
Sponsor: SOUTHEASTERN ONTARIO ACADEMIC MEDICAL ORGANIZATION - AFP Innovation Research Fund  
Total Awarded: \$100,000  
Project Title: Linking repeated sub-concussive impacts to neuroimaging in military personnel

Principal Investigator: **Cook DJ (Surgery)**  
Co-Investigators Coverdale n (School of Kinesiology and Health Studies  
Sponsor: QUEEN'S UNIVERSITY – Department of Surgery  
Total Awarded: \$115,000  
Project Title: Resting state imaging-based analysis of mechanisms underlying subconcussive injury assessed in military personnel

Principal Investigator: **Cook DJ (Surgery)**  
Sponsor: CANADIAN INSTITUTES OF HEALTH RESEARCH - Doctoral Research Award  
Total Awarded: \$15,000  
Project Title: Understanding functional outcomes and cortical plasticity following middle cerebral artery occlusion in a Non-Human Primate

Principal Investigator: Evans C (Emergency Medicine)  
Co-Investigators: **Brogly S (Surgery)**; **Yacob M (Surgery)**  
Sponsor: SOUTHEASTERN ONTARIO ACADEMIC MEDICAL ORGANIZATION - Research (CTAQ) Endowment Fund  
Total Awarded: \$22,027  
Project Title: Blunt Aortic Injury in Ontario, Canada: A population-based analysis of epidemiology and long-term outcomes associated with thoracic endovascular aortic repair (TEVAR)

Principal Investigator: **Hendry M (Surgery)**  
Co-Investigators: Kawaja MD (Biomedical and Molecular Sciences)  
Sponsor: SOUTHEASTERN ONTARIO ACADEMIC MEDICAL ORGANIZATION - (CTAQ) Endowment Fund  
Total Awarded: \$25,000  
Project Title: Enhancing Recovery from Peripheral Nerve Injury with EGFR inhibitors

Principal Investigator: **Hendry M (Surgery)**  
Co-Investigators: Amsden BG (Chemical Engineering); Kawaja MD (Biomedical and Molecular Sciences)  
Sponsor: QUEEN'S UNIVERSITY - Botterell/Howe/Violet E. Powell  
Total Awarded: \$24,500  
Project Title: The novel use of EGFR inhibitors to enhance recovery following peripheral nerve injury

Principal Investigator: **Merchant S (Surgery)**  
Sponsor: SOUTHEASTERN ONTARIO ACADEMIC MEDICAL ORGANIZATION - (CTAQ) Endowment Fund  
Total Awarded: \$15,594  
Project Title: “Genetic Literacy in Oncology (GLiO)”: Understanding and bridging gaps in genetic knowledge in surgeons

Principal Investigator: **Merchant S (Surgery)**  
Sponsor: QUEEN’S UNIVERSITY – Department of Surgery  
Total Awarded: \$50,000  
Project Title: Improving patient experiences and outcomes: A health services research program grounded in clinical practice

Principal Investigator: **Nanji S (Surgery)**  
Sponsor: SOUTHEASTERN ONTARIO ACADEMIC MEDICAL ORGANIZATION - AFP Innovation Research Fund  
Total Awarded: \$94,933  
Project Title: Development of a risk prediction tool for mortality after non-hepatic abdominal surgery in patients with cirrhosis

Principal Investigator: **Nanji S (Surgery)**  
Sponsor: SOUTHEASTERN ONTARIO ACADEMIC MEDICAL ORGANIZATION - Global Health Project Development Fund  
Total Awarded: \$48,200  
Project Title: Collaborative Development of a Competency-base surgical fellowship program in West Africa

Principal Investigator: Oleschuk R (Chemistry)  
Co-Investigators: Filion Y (Civil Engineering); Ross A (Chemistry); Rudan JR (Surgery); She Z (Chemistry); Sheth P (Pathology and Molecular Medicine)  
Sponsor: QUEEN’S UNIVERSITY - QROF - Wicked Idea Fund  
Total Awarded: \$75,000

Project Title: Wicked Ideas: Detecting their Slimy Secret(ion)s: Biofilms and their impact on Healthcare, Water Quality and Drug Discovery

Principal Investigator: **Patel S (Surgery)**  
Sponsor: QUEEN’S UNIVERSITY – Department of Surgery  
Total Awarded: \$50,000  
Project Title: The Ontario Colorectal Cancer Cohort (OntaReCC)

Principal Investigator: **Patel S (Surgery)**  
Co-Investigators: **Brennan K (Surgery)**; Flemming J (Medicine)  
Sponsor: ONTARIO MEDICAL ASSOCIATION – Research Grant  
Total Awarded: \$5,000  
Project Title: Colorectal Cancer and Cirrhosis: A population-based outcomes study

Principal Investigator: **Pichora D (Surgery)**  
Sponsor: QUEEN’S UNIVERSITY – Department of Surgery – Special Research Project  
Total Awarded: \$60,000  
Project Title: Upper Extremity Research

Principal Investigator: **Purzner J (Surgery)**  
Sponsor: QUEEN’S UNIVERSITY – Department of Surgery  
Total Awarded: \$375,000  
Project Title: Identification of novel therapeutics for brain tumors and CNS diseases

Principal Investigator: **Purzner T (Surgery)**  
Sponsor: QUEEN’S UNIVERSITY – Department of Surgery  
Total Awarded: \$375,000  
Project Title: Building new technology to treat brain tumours

Principal Investigator: **Rudan JR (Surgery)**  
Sponsor: WATERS LTD. – Research Contract  
Total Awarded: \$100,000  
Project Title: Waters Collaboration Agreement

Principal Investigator: Scott SH (Centre for Neuroscience Studies)  
Co-Investigators: **Cook DJ (Surgery)**  
Sponsor: BRAIN CANADA FOUNDATION - Research Contract  
Total Awarded: \$464,175  
Project Title: Canadian Platform for Research in Non-Invasive Brain Stimulation (CanStim)

Principal Investigator: **Szasz P (Surgery)**  
Co-Investigators **Jones SA (Surgery)**; **Mann S (Surgery)**; **Zevin B (Surgery)**  
Sponsor: SOUTHEASTERN ONTARIO ACADEMIC MEDICAL ORGANIZATION - Education Award Endowment (Research)  
Total Awarded: \$14,576  
Project Title: Predicting summative performance based on formative decisions

Principal Investigator: **Wood K (Surgery)**  
Co-Investigators: **Alabdulkarim Y (Surgery); Beyea J (Surgery); Brogly B (Surgery)**  
Sponsor: QUEEN'S UNIVERSITY - Department of Surgery  
Total Awarded: \$15,000  
Project Title: Outcomes in Clubfoot Care: ICES study

Principal Investigator: **Wood K (Surgery)**  
Co-Investigators: **Alabdulkarim Y (Surgery); Beyea J (Surgery); Brogly B (Surgery)**  
Sponsor: QUEEN'S UNIVERSITY - Department of Surgery  
Total Awarded: \$10,846  
Project Title: Outcomes in Clubfoot Care: ICES study (Renewed)

Principal Investigator: **Zevin B (Surgery)**  
Co-Investigators:  
Sponsor: ST. JOSEPH'S HEALTHCARE FOUNDATION - Clinical Trial  
Total Awarded: \$5,000  
Project Title: A Prospective, Pragmatic, Randomized, Double-Blind, Placebo Controlled + Crossover, Observational Trial Evaluating the Effectiveness of Contrave (naltrexone HCl and bupropion HCl) Extended-Release Tablet for Weight Maintenance in Adult Patients with BMI  $\geq 27$  Kg/m<sup>2</sup>, after a 6 month intensive behavior modification program combined with meal replacements: Contrave Obesity Trials (COR) Weight Maintenance Study

Principal Investigator: **Zevin B (Surgery)**  
Co-Investigators: **Jones SA (Surgery); Szasz P (Surgery)**  
Sponsor: \$50,000  
Total Awarded: QUEEN'S UNIVERSITY – Department of Surgery  
Project Title: Exploring the educational impact of AI-enabled operating room video-capture and assessment technology on residents' assessments and the quality of narrative feedback

Principal Investigator: **Zevin B (Surgery)**  
Co-Investigators: Horniachek M (Obstetrics and Gynaecology); **Jones SA (Surgery); Robertson D (Surgery); Szasz P (Surgery)**  
Sponsor: CANADIAN ASSOCIATION OF GENERAL SURGEONS – Research Grant  
Total Awarded: \$40,000  
Project Title: Exploring the educational impact of AI-enabled operating room video-capture and assessment technology on residents' assessments and the quality of narrative feedback.