

## Results of the 2020 Innovation Grant Program Competition

The WCHRI Innovation Grant competition offers operating support for studies that specifically target improving health outcomes for women and/or children through research. Awards of up to \$60,000 support research for a 24-month period. This funding opportunity welcomes applications from all areas of research investigation relevant to the WCHRI vision, mission and strategic plan. Applications are assessed by either the Innovation Grant Applied Health Advisory Committee or Innovation Grant Biomedical Advisory Committees. The Innovation Grant Advisory Committees are broadly composed of leading experts from the University of Alberta. Applications are rated based on scientific merit and relevance to WCHRI.

Dr. Sandy Davidge, WCHRI executive director and Dr. Lawrence Richer, WCHRI associate director with the committee chairs, Dr. Lisa Hornberger, Dr. Todd Alexander and Dr. Lori West and co-chairs, Dr. Lesley Wiart-Pritchard and Dr. Piush Mandhane, congratulate the successful awardees and thank all of the applicants for the time and effort invested in their grant submission.

Finally, WCHRI would like to acknowledge the ongoing commitment and generosity of the Stollery Children's Hospital Foundation (SCHF) and the Alberta Women's Health Foundation (AWHF) for their financial support of this grant program.

### Listing of awardees

Applicant	Institutional sponsor	Project title	WCHRI funder
Adesida, Adetola	Medicine & Dentistry-Surgery	Sex matters in knee Osteoarthritis	AWHF
Ali, Samina	Medicine & Dentistry-Pediatrics	Virtual reality to reduce children's pain and distress during painful procedures	SCHF
Berry, Fred B	Medicine & Dentistry-Surgery	Understanding causes of pediatric skeletal malformations	SCHF
Burton, Catherine	Medicine & Dentistry-Pediatrics	Improving the prevention of cancers in children who have had organ transplants	SCHF
Charlton, Carmen L	Medicine & Dentistry-Laboratory Medicine & Pathology	Treating sexually transmitted infections in pregnant women and preventing infection in their babies	AWHF /SCHF
Cordat, Emmanuelle	Medicine & Dentistry-Physiology	Understanding and treating congenital myasthenic syndrome	SCHF
Davenport, Margie	Kinesiology, Sport, and Recreation	The impact of shift work on the health of pregnant women	AWHF /SCHF

Dyck, Jason RB	Medicine & Dentistry-Pediatrics	Identification of patients at risk for cancer therapy-related cardiotoxicity	AWHF
Hornberger, Lisa K	Medicine & Dentistry-Pediatrics	Diabetes during pregnancy and its impact on the heart and blood vessel health of children	SCHF
Kozyrskyj, Anita	Medicine & Dentistry-Pediatrics	Infant gut microbiome, serum IgA, asthma and developmental delay	SCHF
Lehmann, Ordan J	Medicine & Dentistry-Ophthalmology & Visual Sciences	Developing novel inhibitors for pediatric cancer	SCHF
Lopaschuk, Gary D	Medicine & Dentistry-Pediatrics	Energy metabolism in the heart of newborns with congenital heart defects	SCHF
Lou, Edmond HM	Engineering-Electrical and Computer Engineering	Automatic measurement of spinal curvature on children with adolescent idiopathic scoliosis	SCHF
MacLean, Joanna E	Medicine & Dentistry-Pediatrics	Identifying different types of obstructive sleep apnea in children	SCHF
Martin, Andrew	Engineering-Mechanical Engineering	Improving characterization and understanding of nebulizers used in diagnosing children's asthma	SCHF
Maximova, Katerina	School of Public Health	Lifestyle behaviours and mental health in youth	SCHF
Pabayo, Roman	School of Public Health	Income inequality within schools and mental health among Canada's youth	SCHF
Pagliardini, Silvia	Medicine & Dentistry-Physiology	Female sex hormones and ventilation	AWHF
Perry, Troy	Medicine & Dentistry-Surgery	Contribution of the immune system and bacteria in children with inflammatory bowel disease	SCHF
Schulz, Jane	Medicine & Dentistry-Obstetrics & Gynecology	Prophylactic antibiotics following the treatment of overactive bladder in women with Botox for the reduction of postoperative bladder infection	AWHF
Vine, Donna	Agriculture, Life & Environmental Sciences-Agricultural, Food & Nutritional Science	Heart health in women with and without Polycystic Ovary Syndrome	AWHF

Yager, Jerome Y	Medicine & Dentistry-Pediatrics	Fighting Glioblastoma innovatively with sulforaphane and the ketogenic diet	SCHF
-----------------	---------------------------------	---	------

### Application statistics

Total eligible applications: 51

Total applications awarded: 22

Funding rate: 42.3%

### Application statistics by institutional sponsor (funded/applied)

Agriculture, Life & Environmental Sciences-Agricultural, Food & Nutritional Science: 1/3
Augustana-Social Sciences: 0/1
Engineering-Electrical and Computer Engineering: 1/1
Engineering-Mechanical Engineering: 1/1
Kinesiology, Sport, and Recreation: 1/1
Medicine & Dentistry-Biochemistry: 0/3
Medicine & Dentistry - (Division of) Critical Care: 0/1
Medicine & Dentistry-Dentistry and Dental Hygiene: 0/3
Medicine & Dentistry-Laboratory Medicine & Pathology: 1/2
Medicine & Dentistry-Medical Genetics: 0/2
Medicine & Dentistry-Obstetrics & Gynecology: 1/3
Medicine & Dentistry-Oncology: 0/1
Medicine & Dentistry-Ophthalmology & Visual Sciences: 1/1
Medicine & Dentistry-Pediatrics: 8/12
Pharmacy and Pharmaceutical Sciences: 0/1
Medicine & Dentistry-Physiology: 2/2
Medicine & Dentistry-Radiology & Diagnostic Imaging: 0/2
Medicine & Dentistry-Surgery: 3/3
Nursing: 0/1
School of Public Health: 2/3
Rehabilitation Medicine-Occupational Therapy: 0/1
Rehabilitation Medicine-Physical Therapy: 0/1
Rehabilitation Medicine-Communication Sciences and Disorders: 0/1
Science-Psychology: 0/1