

## Results of the 2019 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 \$50,000 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 one of two 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. Lawrence Richer, WCHRI associate director, with Dr. Geoff Ball, chair of the Innovation Grant Applied Health Advisory Committee, Dr. R. Todd Alexander and Dr. Lynne-Marie Postovit, chairs of the Innovation Grant Biomedical Advisory Committees, would like to 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 and supporters of the Lois Hole Hospital for Women for their financial support of this grant program.

### Listing of awardees

Applicant	Institutional sponsor	Project Title	WCHRI Funder
Armijo-Olivo, Susan	Rehabilitation Medicine-Physical Therapy	How effective is exercise in decreasing chronic pain and disability, and how does the brain of women with jaw pain respond to exercises?	RAHF
Davenport, Margie	Kinesiology, Sport, and Recreation	Physical activity in women with twin pregnancies	RAHF/SCHF
Hocking, Jennifer	Medicine & Dentistry-Surgery	Using a zebrafish model to understand a congenital retinal disease	SCHF
Marshall, Michael	Medicine & Dentistry-Psychiatry	Trans youth cared for within the Gender Program will need fewer visits to high-cost mental health care services	SCHF
Mumtaz, Zubia	School of Public Health	Social risk factors for preterm births	RAHF/SCHF
Ospina, Maria	Medicine & Dentistry-Obstetrics & Gynecology	Health trajectories before and after pregnancy in women who developed hypertension and preeclampsia during pregnancy	RAHF
Pei, Jacqueline R	Education-Educational Psychology	Understanding movement behaviours to support healthy outcomes in children	SCHF

Persad, Sujata	Medicine & Dentistry-Pediatrics	Can active beta-catenin (ABC) be used as a marker to predict osteosarcoma progression to aggressive/metastatic disease?	SCHF
Phelan, Shanon K	Rehabilitation Medicine-Occupational Therapy	Re-envisioning inclusion: understanding child culture from the perspectives of children with autism	SCHF
Rasmussen, Carmen	Medicine & Dentistry-Pediatrics	Cognitive and behavioural functioning among children with perinatal stroke and the impact of an intervention	SCHF
Riddell, Meghan	Medicine & Dentistry-Obstetrics & Gynecology	Development of a placenta in a dish experimental system	RAHF/SCHF
Ringrose, Jennifer	Medicine & Dentistry-Medicine	Improving the accuracy of automated blood pressure measurement in children	SCHF
Rosychuk, Rhonda	Medicine & Dentistry-Pediatrics	Do regions of Alberta have less reconstruction surgery after mastectomy for breast cancer than expected?	RAHF
Schmolzer, Georg M	Medicine & Dentistry-Pediatrics	Oxygen during chest compression in newborn infants	SCHF
Steinback, Craig D	Kinesiology, Sport, and Recreation	How older age affects cardiovascular health during pregnancy	RAHF/SCHF
Unsworth, Larry	Engineering-Chemical and Materials Engineering	Tailored release of large molecule drugs to reduce inflammation in the damaged areas of the infant brain	SCHF
Vliagoftis, Harissios	Medicine & Dentistry-Medicine	New vaccination approach for influenza in early life	SCHF
Waskiewicz, Andrew	Science-Biological Sciences	Finding genetic causes of a childhood blinding disease	SCHF
Yokota, Toshifumi	Medicine & Dentistry-Medical Genetics	Next generation DNA-like molecule for the treatment of spinal muscular atrophy	SCHF

### Application statistics

Total eligible applications: 52  
Total applications awarded: 19  
Funding rate = 36.5%

### Application statistics by faculty and department (funded/applied)

Education-Educational Psychology: 1/1
Engineering-Chemical and Materials Engineering: 1/1
Engineering-Mechanical Engineering: 0/1
Engineering-Electrical and Computer Engineering: 0/2
Kinesiology, Sport, and Recreation: 2/2
Medicine & Dentistry-Division of Critical Care: 0/1
Medicine & Dentistry-Anesthesiology & Pain Medicine: 0/1

Medicine & Dentistry-Biochemistry: 0/4
Medicine & Dentistry-Cell Biology: 0/1
Medicine & Dentistry-Dentistry and Dental Hygiene: 0/1
Medicine & Dentistry-Laboratory Medicine & Pathology: 0/2
Medicine & Dentistry-Medical Genetics: 1/4
Medicine & Dentistry-Medical Microbiology & Immunology: 0/1
Medicine & Dentistry-Medicine: 2/3
Medicine & Dentistry-Obstetrics & Gynecology: 2/5
Medicine & Dentistry-Oncology: 0/1
Medicine & Dentistry-Pediatrics: 4/9
Medicine & Dentistry-Psychiatry: 1/1
Medicine & Dentistry-Surgery: 1/ 2
School of Public Health: 1/4
Rehabilitation Medicine-Occupational Therapy: 1/2
Rehabilitation Medicine-Physical Therapy: 1/2
Science-Biological Sciences: 1/1

Questions?  
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