

## Results of the 2018 Innovation Grant Program Competition

The WCHRI Innovation Grants competition is focused on studies that will lead to improved health outcomes for women and/or children. The awards offer \$50,000 in operating funds over a 24 month period. This funding opportunity welcomes applications from all areas of research investigation relevant to the WCHRI vision, mission and strategic priorities. 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 as evidenced in the candidate's track record, the research proposal and relevance to WCHRI.

A listing of successful applications has been provided below. Dr. Sandy Davidge, WCHRI executive director, Dr. Geoff Ball, chair of the Innovation Grant Applied Health Advisory Committee, Dr. Alan Underhill 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	Institution	Project Title	WCHRI Funder
Cooke, Christy-Lynn	Medicine & Dentistry-Obstetrics & Gynecology	Pregnancy complications are increased in women of older age: causes and consequences	RAHF
Elahi, Shokrollah	Medicine & Dentistry-Dentistry and Dental Hygiene	Studying the role of immature red blood cells in females	RAHF
Fahlman, Richard	Medicine & Dentistry-Biochemistry	Identifying high risk breast cancers	RAHF
Gamper, Armin	Medicine & Dentistry-Oncology	Investigating the function of a gene that, if defective, can cause Fanconi Anemia	SCHF
Graf, Daniel	Medicine & Dentistry-Dentistry and Dental Hygiene	Investigating of a novel way why the midface does not grow sufficiently in some children	SCHF
Hicks, Elizabeth	Medicine & Dentistry-Pediatrics	Health effects of air pollution on a Northern Alberta pediatric population	SCHF

Jaremko, Jacob L	Medicine & Dentistry-Radiology & Diagnostic Imaging	Can babies be screened for hip dysplasia by a quick 3D ultrasound scan read by a computer, just as well as by visiting a specialist hospital clinic?	SCHF
Khoo, Nee Scze	Medicine & Dentistry-Pediatrics	Understanding changes in structure and function of the tricuspid heart valve in children with heart disease	SCHF
Kumar, Manoj	Medicine & Dentistry-Pediatrics	Does being born small increase the risk of adult diseases including obesity and cardiovascular disease	SCHF
Lehmann, Ordan J	Medicine & Dentistry-Ophthalmology	Investigating a novel cause of pediatric glaucoma	SCHF
Lemieux, Joanne	Medicine & Dentistry-Biochemistry	Understanding bacterial infection towards treatment strategies	Both
Mandhane, Piush	Medicine & Dentistry-Pediatrics	Towards a better test to identify children with sleep disordered breathing problems	SCHF
Menon, Geetha	Medicine & Dentistry-Oncology	Understanding the effect of radiotherapy treatment differences on outcomes of cervical cancer patients	RAHF
Oudit, Gavin	Medicine & Dentistry-Medicine	Understanding heart failure in children	SCHF
Pabayo, Roman	School of Public Health	Neighbourhood income inequality and mental health among mothers and children	SCHF
Prado, Carla	Agriculture, Life & Environmental Sciences-Agricultural, Food & Nutritional Science	Metabolic complications of low lean mass in children with obesity	SCHF
Richer, Lawrence P	Medicine & Dentistry-Pediatrics	MRI analysis of brain and heart function in postural orthostatic tachycardia syndrome in children	SCHF
Scott, Shannon	Nursing	Establishing priorities in child health research: giving parents and youth a voice	SCHF

Thompson-Hodgetts, Sandra L	Rehabilitation Medicine-Occupational Therapy	Does preventive disclosure influence peer engagement and inclusion for children with neurodevelopmental disabilities in community and free play contexts?	SCHF
Turner, Justine M	Medicine & Dentistry-Pediatrics	A novel approach to promoting good bacteria for babies with short bowel syndrome	SCHF
Vine, Donna	Agriculture, Life & Environmental Sciences-Agricultural, Food & Nutritional Science	Treatment of heart disease and diabetes risk in women with polycystic ovary syndrome	RAHF

### Application statistics

Total eligible applications: 58  
Total applications awarded: 21  
Funding rate = 36.2%

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

Agriculture, Life & Environmental Sciences-Agricultural, Food & Nutritional Science: 2/4
Campus Saint-Jean: 0/1
Engineering-Chemical and Materials Engineering: 0/1
Medicine & Dentistry-Biochemistry: 2/6
Medicine & Dentistry-Dentistry and Dental Hygiene: 2/3
Medicine & Dentistry-Emergency Medicine: 0/1
Medicine & Dentistry-Laboratory Medicine & Pathology: 0/3
Medicine & Dentistry-Medical Genetics: 0/2
Medicine & Dentistry-Medicine: 1/3
Medicine & Dentistry-Obstetrics & Gynecology: 1/1
Medicine & Dentistry-Oncology: 2/2
Medicine & Dentistry-Ophthalmology: 1/1
Medicine & Dentistry-Pediatrics: 6/17
Medicine & Dentistry-Radiology & Diagnostic Imaging: 1/1
Medicine & Dentistry-Surgery: 0/2
Nursing: 1/2
School of Public Health: 1/4
Rehabilitation Medicine-Occupational Therapy: 1/1
Rehabilitation Medicine-Physical Therapy: 0/2
Science-Biological Sciences: 0/1