

Results of the 2017 Summer Studentship Competition

WCHRI Summer Studentship awards provide academically gifted young students an opportunity to participate in research related to women and children's health during the summer months. Students work on specific projects under the supervision of WCHRI researchers. The program aims to foster a new generation of researchers to pursue careers in women and children's health.

The WCHRI Summer Student award, valued at up to \$1,300 per month is offered for the months of May to August. Incentive awards (of up to \$250 per month) are also available for those who have been successful in obtaining both the WCHRI Summer Studentship award as well as another peer-reviewed competitive summer studentship award. Additionally, funding from the Biomedical Global Health Research Network (BGHRN) will provide incentive for work in global health.

On behalf of WCHRI, Dr. Sandra Davidge, Executive Director, 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.

We congratulate this year's Summer Studentship awardees

Applicant Name	Supervisor	Institution	Project Title	WCHRI Funder
Capel, Heather	Adams, Kim D	Rehabilitation Medicine-Physical Therapy	Development and optimization of an exploratory haptic assistive robotic interface for use by children with motor impairments	SCHF
Do, Victor	Hornberger, Lisa K	Medicine & Dentistry-Pediatrics	Cardiovascular health of children of diabetic mothers	SCHF
Fu, Timothy	Uludag, Hasan	Engineering-Chemical and Materials Engineering	Gene therapy for breast cancer	RAHF
Garros, Christiana	Joffe, Ari R	Medicine & Dentistry-Pediatrics	Determining how to predict the measured energy requirement in children in pediatric intensive care: Toward optimizing nutritional support	SCHF
Hansen, Megan	Funk, Gregory	Medicine & Dentistry-Physiology	New approaches to understand the life-threatening depression of breathing that accompanies reductions in brain oxygen in prematurity	SCHF
Kang, Min Ku	Caluseriu, Oana	Medicine & Dentistry-Medical Genetics	Deciphering the genetic basis of a new immune disorder in the Cree First Nation	SCHF
Krahn, Jessica	Caine, Vera	Nursing	Developing an evaluation for pregnancy pathways: A housing intervention for pregnant/parenting mothers experiencing homelessness and their children	SCHF and RAHF

Lee, Emma	Mitchell, Lesley G	Medicine & Dentistry-Pediatrics	Determining the best blood thinning drug for preventing blood clots in children who are on treatment for their cancer	SCHF
Li, Paul	Davidge, Sandra	Medicine & Dentistry-Obstetrics & Gynecology	How the placenta may cause high blood pressure in pregnancy	SCHF and RAHF
Lin, Andrea	Parent, Eric C	Rehabilitation Medicine-Physical Therapy	Translation to English and testing of the Italian Spine Youth Quality of Life (ISYQOL) questionnaire	SCHF
Luan, Jiali	Noga, Michelle L	Medicine & Dentistry - Radiology & Diagnostic Imaging	Regional assessment of right ventricular wall motion in children with repaired Tetralogy of Fallot	SCHF
Ma, Jenny	Lehmann, Ordan J	Medicine & Dentistry-Ophthalmology and Visual Sciences	Investigating if there is a common mechanism underlying pediatric glaucoma	SCHF
Ma, Keon	Ali, Samina	Medicine & Dentistry-Pediatrics	The iPad study: A study of iPads as a form of distraction to decrease the pain and stress of medical procedures in children	SCHF
Malley, Alexandra	Ross, Sue	Medicine & Dentistry-Obstetrics & Gynecology	Designing a walking exercise therapy to improve sleep and QOL in menopausal women in Edmonton	RAHF
Matta, Mirna	Richer, Lawrence P	Medicine & Dentistry-Pediatrics	Exploring remote delivery of an exercise program in patients with POTS	SCHF
Mulvany-Robbins, Bridget	Eisenstat, David D	Medicine & Dentistry-Pediatrics	How altering genetic expression may be beneficial in the treatment of children with Glioma	SCHF
Onushko, Meghan	Olson, David	Medicine & Dentistry-Obstetrics & Gynecology	Fetal membrane interaction with leukocytes during term and preterm labour	RAHF
Penner, Robert	Hemmings, Denise G	Medicine & Dentistry-Obstetrics & Gynecology	Bioactive lipids and placental development	RAHF
Reid, Kyle	Zwaigenbaum, Lonnie	Medicine & Dentistry-Pediatrics	Predicting autism from early social-emotional behaviours	SCHF
Shah, Prachi	Wine, Eytan	Medicine & Dentistry-Pediatrics	Gut bacteria as a cause for Crohn disease and ulcerative colitis in children	SCHF
Sobierajski, Frances	Davenport, Margie	Physical Education and Recreation	Physical activity, sedentary behaviour and vascular health in late pregnancy	RAHF/ADI
Sosniuk, Morgan	West, Lori	Medicine & Dentistry-Pediatrics	Immune cells in children undergoing cardiac surgery: Studying their type and function	SCHF
Stryapunina, Iryna	Hobman, Tom	Medicine & Dentistry-Cell Biology	Investigating the interaction between Zika virus NS5 and host proteins Trim21 and USP15	SCHF and BGHRN
Tetreault, Brittany	Salami, Bukola	Nursing	Parenting practices and challenges of Somali immigrants in Alberta	SCHF
Ure, Megan E	Alexander, R Todd	Medicine & Dentistry-Pediatrics	Identification and characterization of a new gene regulating body calcium	SCHF

WCHRI Summer Studentship Competition Statistics

Total applications received: 61
 Total applications awarded: 25
 Funding rate = 41%

WCHRI Program Leverage

Of the 25 WCHRI Summer studentship awardees offered funding through this program, 12 have received funding from alternative funding sources (overall program leverage of 48%). Students who are awarded alternative funding receive incentive award (\$250 per month) from WCHRI, but are still considered part of the WCHRI community and participate in two Lunch & Share sessions held over the summer as well as being part of the summer student booklets that are produced every year detailing the projects that they have participated in. This leveraging allows WCHRI to fund excellent students that we would otherwise be unable to fund given our budget constraints.

Application Statistics by Faculty and Department

Funded/Applied

Agriculture, Life & Environmental Sciences-Agricultural, Food & Nutritional Science: 1/1
Education-Elementary Education: 0/1
Engineering-Chemical and Materials Engineering: 1/1
Medicine & Dentistry -Radiology & Diagnostic Imaging: 1/1
Medicine & Dentistry-Anesthesiology & Pain Medicine: 0/1
Medicine & Dentistry-Biochemistry: 0/2
Medicine & Dentistry-Cell Biology: 1/1
Medicine & Dentistry-Dentistry and Dental Hygiene: 0/2
Medicine & Dentistry-Laboratory Medicine & Pathology: 0/1
Medicine & Dentistry-Medical Genetics: 1/3
Medicine & Dentistry-Obstetrics & Gynecology: 4/6
Medicine & Dentistry-Oncology: 0/1
Medicine & Dentistry-Ophthalmology and Visual Sciences: 1/1
Medicine & Dentistry-Pediatrics: 12/20
Medicine & Dentistry-Pharmacology: 0/2
Medicine & Dentistry-Physiology: 1/5
Medicine & Dentistry-Surgery: 0/1
Nursing: 2/3
Pharmacy and Pharmaceutical Sciences:0/1
Physical Education and Recreation: 1/1
Public Health, School of :0/1
Rehabilitation Medicine-Physical Therapy: 2/2
Science-Biological Sciences :0/2