

Results of the 2019 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 academic members. The program aims to foster a new generation of researchers pursuing 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.

A listing of the 2019 successful applicants is provided below. On behalf of WCHRI, Dr. Sandy Davidge, WCHRI executive director, and Dr. Lawrence Richer, WCHRI associate director, with Dr. Ing Swie Goping, chair, and Dr. Simon Gosgnach, co-chair of the Summer Studentship Grant Advisory Committee, we would like to congratulate the 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 award program. Additional funding has been provided through the FoMD Studentship in Placental Research.

Listing of awardees

Applicant	Supervisor	Institution	Project Title	WCHRI Funder
Alam, Abrar	Dyck, Jason	Medicine & Dentistry-Pediatrics	Damage of the heart from chemotherapy in children	SCHF
Bennett, Jessica	Godbout, Roseline	Medicine & Dentistry-Oncology	Understanding why neuroblastoma tumours become resistant to treatment	SCHF
Bharadia, Manisha	Ali, Samina	Medicine & Dentistry-Pediatrics	Adolescent and caregiver perspectives on functional outcomes following fracture: a qualitative study	SCHF
Boparai, Rakhbeer	Davenport, Margie	Kinesiology, Sport, and Recreation	The impact of twin pregnancy on blood vessel function in late pregnancy	RAHF
Cao, Amanda	Hornberger, Lisa	Medicine & Dentistry-Pediatrics	Impact of preterm birth and adverse exposures before birth on surgical outcomes for congenital heart disease	RAHF/ SCHF
Chee, Ryan	Adesida, Adetola	Medicine & Dentistry-Surgery	Women, spaceflight and osteoarthritis	RAHF

Chen, Lu Kun	Lehmann, Ordan	Medicine & Dentistry-Ophthalmology	The role of FOXC1 in pediatric disease	SCHF
Desai, Vidhi	Ospina, Maria	Medicine & Dentistry-Obstetrics & Gynecology	Evaluation and review of evidence on the use of prebiotic, probiotic and synbiotic supplementation in pregnancy to reduce the risk of maternal mental health disorders during pregnancy and after childbirth	RAHF
Evanchuk, Jenna	Field, Catherine	Agriculture, Life & Environmental Sciences-Agricultural, Food & Nutritional Science	Importance of essential fatty acids in the diet during lactation for immune development	RAHF/SCHF
Gallego, Janine	Eisenstat, David	Medicine & Dentistry-Medical Genetics	Effects of the Dlx2 gene on human DIPG (diffuse intrinsic pontine glioma) cell growth and differentiation	SCHF
Heath, Devon	Hayward, Dana	Science-Psychology	What's in a face? Social cognition differences in women with anorexia nervosa	RAHF
Henneberry, Molly	Steinback, Craig	Kinesiology, Sport, and Recreation	How the nervous system controls blood pressure in women with singleton and twin pregnancies	RAHF
Kennedy, Josh	Whittaker, Jackie	Rehabilitation Medicine-Physical Therapy	Does fear of movement influence physical activity levels after a youth sport-related knee injury?	SCHF
Kibalnyk, Yana	Voronova, Anastassia	Medicine & Dentistry-Medical Genetics	The role of brain blood vessel development in KBG syndrome	SCHF
Latif, Asna	Bhavsar, Amit	Medicine & Dentistry-Medical Microbiology & Immunology	Towards preventing permanent hearing loss in child cancer patients, a side effect of cisplatin chemotherapy drug	SCHF
Lau, Stuart	Kozyrskyj, Anita	Medicine & Dentistry-Pediatrics	The Impact of caesarean delivery on infant neurodevelopment	RAHF/SCHF
Le, Jenny	Wiebe, Sandra	Science-Psychology	Physical activity, sedentary behaviour, and self-regulation in early childhood	SCHF
Li, Jia (Jason)	Bourque, Stephane	Medicine & Dentistry-Anesthesiology & Pain Medicine	The role of maternal iron deficiency in cardiac development	RAHF/SCHF

Mander, Inderdeep	Wine, Eytan	Medicine & Dentistry-Pediatrics	Finding the relationship between fiber and gut diseases in children	SCHF
Manz, Joren	Hyakutake, Momoe	Medicine & Dentistry-Obstetrics & Gynecology	A survey of cannabis use for analgesia in women with chronic pelvic pain	RAHF
Morin, Sarah	Chui, Linda	Medicine & Dentistry-Laboratory Medicine & Pathology	Clostridioides difficile in children: colonization or infection?	SCHF
Mustofa, Jannatul	Schmolzer, Georg	Medicine & Dentistry-Pediatrics	Using a video camera to measure heart rate in newborn infants	SCHF
Pagee, Abbey	Davidge, Sandra	Medicine & Dentistry-Obstetrics & Gynecology	How complicated pregnancies affect maternal health later in life	FoMD
Palichuk, Airlie	MacDonald, Shannon	Nursing	Scoping review of the literature to identify what is known about the immunization coverage of immunocompromised children	SCHF
Pherwani, Simran	Lopaschuk, Gary	Medicine & Dentistry-Pediatrics	Exploring the mediation of acetylation in newborn cardiac energy metabolism with the impact of cardiac hypertrophy	SCHF
Saadat, Saba	Riddell, Meghan	Medicine & Dentistry-Obstetrics & Gynecology	Development of a placenta in a dish experimental system	FoMD
Shah, Prachi	Ross, Sue	Medicine & Dentistry-Obstetrics & Gynecology	Assessment of a mobile app to encourage social & therapeutic walking activity in women during and post menopause	RAHF
Shaw, Oriana	Yager, Jerome	Medicine & Dentistry-Pediatrics	Quality of life in adults who experienced childhood stroke	SCHF
Thompson, Leigh-Ann	Dacks, Joel	Medicine & Dentistry-Medicine	Candidate gene discovery for pregnancy-associated malaria using RNA sequencing	FoMD
Toohey, Alexander	Funk, Gregory	Medicine & Dentistry-Physiology	Transgenic approaches to understand the life-threatening depression of breathing that accompanies reductions in brain oxygen in prematurity?	SCHF

Application statistics

Total eligible applications: 59
Total applications awarded: 30
Funding rate = 51%

WCHRI Program Leverage

Of the 30 WCHRI Summer studentship awardees offered funding through this program, 8 have received funding from alternative funding sources (overall program leverage of 27%). Students who are awarded alternative funding receive incentive funding from WCHRI. Leveraging allows WCHRI to fund excellent students that we would otherwise be unable to fund given budget constraints.

Application statistics by faculty and department (funded/applied)

Agriculture, Life & Environmental Sciences-Agricultural, Food & Nutritional Science: 1/3
Arts-Psychology: 0/1
Engineering-Chemical and Materials Engineering: 0/1
Kinesiology, Sport and Recreation: 2/2
Medicine & Dentistry-Anesthesiology & Pain Medicine: 1/1
Medicine & Dentistry-Biochemistry: 0/2
Medicine & Dentistry-Cell Biology: 0/1
Medicine & Dentistry-Laboratory Medicine & Pathology:1/1
Medicine & Dentistry-Medical Genetics:2/3
Medicine & Dentistry-Medical Microbiology & Immunology: 1/2
Medicine & Dentistry-Medicine: 1/3
Medicine & Dentistry-Obstetrics and Gynecology: 5/8
Medicine & Dentistry-Oncology:1/4
Medicine & Dentistry-Ophthalmology: 1/2
Medicine & Dentistry-Pediatrics: 8/12
Medicine & Dentistry-Pharmacology: 0/1
Medicine & Dentistry-Physiology: 1/3
Medicine & Dentistry-Surgery: 1/2
Nursing: 1/3
Rehabilitation Medicine-Physical Therapy: 1/1
School of Public Health: 0/1
Science-Psychology: 2/2

Questions?

WCHRI Grants Administration at: wcgrants@ualberta.ca