

Results of the 2018 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.

A listing of the 2018 successful applicants is provided below. On behalf of WCHRI, Dr. Sandy Davidge, WCHRI executive director and Dr. Ing Swie Goping, chair of the Summer Studentship Grant Advisory Committee, 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 grant program. Funding for an additional award was provided by the FoMD Studentship in Placental Research.

Listing of awardees

Applicant	Supervisor	Institution	Project Title	WCHRI Funder
Bat-Erdene, Uilst	Chandra, Sue	Medicine & Dentistry-Obstetrics & Gynecology	Survey studying the effectiveness of prenatal care education using an informational website in the Edmonton Somali population and determining gaps in care	RAHF
Chacko, Jacob	Conway, Jennifer	Medicine & Dentistry-Pediatrics	Risk factors for re-admission to the intensive care unit for children supported on ventricular assist devices	SCHF
Chapman, Emily	Ross, Shelley	Medicine & Dentistry-Family Medicine	In-depth evaluation of mental health and addictions training in family medicine residency to improve prevention and early intervention initiatives for youth and adults in this setting	SCHF
Dalmer, Tim	Mitchell, Lesley G	Medicine & Dentistry-Pediatrics	Does chemotherapy cause the vein wall to make blood clotting proteins? A possible reason why children get blood clots when they are being treated for cancer	SCHF
Delyea, Cole	Elahi, Shokrollah	Medicine & Dentistry-Dentistry and Dental Hygiene	Investigating the role of immunosuppressive cells during pregnancy	RAHF

Farooq, Sauleha	Davenport, Margie	Kinesiology, Sport, and Recreation	Physical activity and blood vessel function during pregnancy	RAHF
Fox, Sabrina	Wevrick, Rachel	Medicine & Dentistry-Medical Genetics	Genetic origin of congenital joint stiffness	SCHF
Fu, Timothy	Casey, Joseph R	Medicine & Dentistry-Biochemistry	Developing better therapies for corneal blindness	SCHF
Fung, David	West, Lori	Medicine & Dentistry-Pediatrics	Developing a cell therapy for pediatric heart transplantation from discarded tissue	SCHF
Guo, Jiabo	Hemmings, Denise G	Medicine & Dentistry-Obstetrics & Gynecology	The impact of inflammation on lipids that control placental health	FoMD Studentship in Placental Research
Hager, Amber	Mager, Diana	Agriculture, Life & Environmental Sciences-Agricultural, Food & Nutritional Science	Evaluation and feasibility analysis of newly developed gluten free food guide for Albertan youth with Celiac disease	SCHF
Kent, Sarah	Schulz, Jane A	Medicine & Dentistry-Obstetrics & Gynecology	Knowledge of pelvic floor disorders in newly arrived Canadian immigrants	RAHF
Koch, Nils	Pagliardini, Silvia	Medicine & Dentistry-Physiology	Recruitment of expiratory activity to improve breathing during sleep	SCHF
Li, Davey	Eisenstat, David D	Medicine & Dentistry-Medical Genetics	Can genes that are important for development of the pancreas contribute to diabetes?	SCHF
Mah, Richard	Bourque, Stephane	Medicine & Dentistry-Anesthesiology & Pain Medicine	Long-term effect of maternal iron-deficiency on offspring kidney structure and function	SCHF and RAHF
Melo, Dyanna	Yokota, Toshifumi	Medicine & Dentistry-Medical Genetics	Developing treatments for Duchenne Muscular Dystrophy (DMD)	SCHF
Miskew Nichols, Bailey	Oudit, Gavin	Medicine & Dentistry-Medicine	Identification of novel biomarkers to detect and monitor heart disease in patients with limb girdle muscular dystrophy	RAHF
Nakoochee, Marissa	Caine, Vera	Nursing	Working with pregnant and early parenting indigenous women who are precariously housed: Bringing indigenous knowledge to program development - a qualitative research study.	RAHF
Perrin, Stephanie	Urschel, Simon	Medicine & Dentistry-Pediatrics	Developing a graphic novel for medical education of transplanted teenagers	SCHF
Porter, Ivy	Brindley, David N	Medicine & Dentistry-Biochemistry	Determining if blocking inflammation after radiation therapy improves outcomes for breast cancer patients	RAHF

Powley Unrau, Stephanie	Scott, Shannon	Nursing	Testing three knowledge tools developed to help parents with acutely ill children	SCHF
Sagaidak, Sofia	Rosychuk, Rhonda	Medicine & Dentistry-Pediatrics	Emergency department crowding and patient outcomes for Alberta children presenting for asthma	SCHF
Shah, Shruti	Davidge, Sandra	Medicine & Dentistry-Obstetrics & Gynecology	Treating the placenta to improve pregnancy outcomes	FoMD Studentship in Placental Research
Underschultz, Jack	Hawkes, Michael	Medicine & Dentistry-Pediatrics	Biomarkers of global child pneumonia	SCHF and BGHRN
Wang, Beatrix	Voronova, Anastassia	Medicine & Dentistry-Medical Genetics	How does white matter form in the developing brain?	SCHF
Wewala, Gayathri	Hornberger, Lisa K	Medicine & Dentistry-Pediatrics	Heart & blood vessel health of early teens of diabetic mothers	SCHF

Application statistics

Total eligible applications: 70
Total applications awarded: 26
Funding rate = 37%

WCHRI Program Leverage

Of the 26 WCHRI Summer studentship awardees offered funding through this program, 9 have received funding from alternative funding sources (overall program leverage of 33.3%). Students who are awarded alternative funding receive incentive funding from WCHRI. All awardees (full or incentive funded) are part of the WCHRI community and participate in two Lunch & Share sessions held over the summer as well as participating in the summer student booklets that are produced every year detailing their projects. 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: 1/2
Engineering-Chemical and Materials Engineering: 0/1
Engineering-Electrical and Computer Engineering: 0/1
Kinesiology, Sport and Recreation: 1/1
Medicine & Dentistry-Anesthesiology & Pain Medicine: 1/1
Medicine & Dentistry-Biochemistry: 2/6
Medicine & Dentistry-Cell Biology: 0/1
Medicine & Dentistry-Dentistry and Dental Hygiene: 1/2
Medicine & Dentistry-Family Medicine: 1/1
Medicine & Dentistry-Laboratory Medicine & Pathology: 0/2
Medicine & Dentistry-Medical Genetics: 4/5
Medicine & Dentistry-Medical Microbiology & Immunology: 0/2

Medicine & Dentistry-Medicine: 1/2
Medicine & Dentistry-Obstetrics and Gynecology: 4/7
Medicine & Dentistry-Oncology: 0/1
Medicine & Dentistry-Pediatrics: 7/22
Medicine & Dentistry-Pharmacology: 0/1
Medicine & Dentistry-Physiology: 1/3
Medicine & Dentistry-Psychiatry: 0/2
Medicine & Dentistry-Surgery: 0/1
Nursing: 2/3
Rehabilitation Medicine-Physical Therapy: 0/3

Questions?

WCHRI Grants Administration at: wcgrants@ualberta.ca