

Results of the 2015 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.

On behalf of WCHRI, Dr. Sandra Davidge, Director, would like to thank the Stollery Children's Hospital Foundation (SCHF), the Royal Alexandra Hospital Foundation (RAHF), and the Maternal, Newborn, Child and Youth Strategic Clinical Network (MNCY SCN) for their financial commitment to this grant program.

We would like to congratulate this year's Summer Studentship awardees. The 2015 awardees are as follows:

Applicant Name	Supervisor Name	Faculty & Department	Project Title	WCHRI Funder
Cao, Amanda	Hemmings, Denise	Medicine & Dentistry- Obstetrics & Gynecology	Expression of receptors to a vasoactive lipid in normal and complicated pregnancies	SCHF and RAHF
Danesh, Ghazal	Wine, Eytan	Medicine & Dentistry- Pediatrics	Enhanced elimination of enteric pathogens by macrophages through NLRP3 activation.	SCHF
Domun, Suraj Sharma	Uludag, Hasan	Engineering- Chemical and Materials Engineering	siRNA therapy of leukemias	SCHF
Donaldson, Elsa Kaley	Ross, Sue and Sydora, Beate	Medicine & Dentistry- Obstetrics & Gynecology	Menopause in women with inflammatory bowel diseases: An investigation of symptoms and mediators	RAHF
Duan, Sudi (Annie)	Pagliardini, Silvia	Medicine & Dentistry- Physiology	Investigation of the role of REM-active pontine structures in the control of the expiratory rhythmic activity	SCHF

Floora, Hardeep	Elahi, Shokrollah	Medicine & Dentistry-Dentistry	Investigating the development and accumulation of CD71+ cells during pregnancy in the fetus and the mother	SCHF and RAHF
Fung, Ryan	Eisenstat, David	Medicine & Dentistry-Medical Genetics	DLX2 homeobox regulation of enteric nervous system development and role in Hirschsprung Disease	SCHF
Gyenes, Dora	Hornberger, Lisa and Atallah, Joseph	Medicine & Dentistry-Pediatrics	Exploring the relationship between altered cerebral blood flow in utero & neurodevelopmental outcomes in children with Hypoplastic Left Heart Syndrome	MNCY SCN
Hernandez, Juan	Rosychuk, Rhonda	Medicine & Dentistry-Pediatrics	Identifying geographic clusters of frequent pediatric presenters to Alberta emergency departments for self-harm	MNCY SCN
Joffe, Rachel	Garcia Guerra, Gonzalo and Duff, Jonathan	Medicine & Dentistry-Pediatrics	The reliability of invasive and non-invasive blood pressure measurements in unstable critically ill children	MNCY SCN
Katzell, Alexis	Funk, Gregory	Medicine & Dentistry-Physiology	Is ICAN the ion channel via which astrocyte-derived ATP excites inspiratory rhythm generating networks during hypoxia?	SCHF
Lamarche, Brendon	West, Lori	Medicine & Dentistry-Pediatrics	Assessment of neonatal tolerance to blood group A antigen in a novel mouse model of ABO-incompatible transplantation	SCHF
Langevin, Robyn	Richer, Lawrence	Medicine & Dentistry-Pediatrics	Use of technology in Pediatric Emergency Department assessment of headache	SCHF
Light, Isabel	Rasmussen, Carmen	Medicine & Dentistry-Pediatrics	Screening for FASD: the neurobehavioral screening tool and neuropsychological functioning	SCHF
Maarouf, Nayef	Simmonds, Andrew and Rachubinski, Richard	Medicine & Dentistry-Gastroenterology	Modeling peroxisome disorders in Drosophila melanogaster	SCHF
Mah, Darryl J.	Dyck, Jason	Medicine & Dentistry-	Metformin protects against doxorubicin-induced cardiomyopathy	SCHF

		Pediatrics		
Paton, Amanda	Kingston, Dawn	Nursing	Development and evaluation of an online, interactive education program for perinatal mental health screening and care	RAHF
Rea, Winnona	Aziz, Khalid	Medicine & Dentistry- Pediatrics	Developing and implementing a sentinel event reporting system for quality improvement in neonatal intensive care	MNCY SCN
Roczkowski, Andrej	Schulz, Richard	Medicine & Dentistry- Pharmacology	Intracellular targets of matrix metalloproteinase-2 in doxorubicin-treated cardiomyocytes	SCHF & RAHF
Rowe, Stewart	Davidge, Sandra	Medicine & Dentistry- Obstetrics & Gynecology	LOX-1 mediated endothelial dysfunction in preeclampsia	SCHF & RAHF
Rumley, Alina	Cordat, Emmanuelle	Medicine & Dentistry- Physiology	Role of claudin-4 and kidney anion exchanger 1 in electrolyte homeostasis in children	SCHF
Schlegelmilch, Michael	Vohra, Sunita	Medicine & Dentistry- Pediatrics	Pediatric Integrative Medicine (PIM) trial	MNCY SCN
Wakefield, Paige	Steinback, Craig and Davenport, Margie	Physical Education and Recreation	The influence of sympathetic nervous system activity on vascular function during pregnancy	RAHF
Wollin, Michael	Persad, Sujata	Medicine & Dentistry- Pediatrics	Structural and molecular changes of the esophageal wall of children with Eosinophilic Esophagitis	SCHF
Zalaski, Lauren	Mason, Andrew	Medicine & Dentistry- Gastroenterology	Metagenomic analysis of placental tissues to evaluate the influence of microbiome and human endogenous retrovirus expression	SCHF & RAHF
Zhang, Amy	Scott, Shannon	Nursing	Evaluating approaches to parent engagement in KT and child health research	MNCY SCN

WCHRI would like to acknowledge the outstanding contributions made by the Summer Studentship Advisory Committee and commend their dedication to the development of the trainee and research environment as evidenced in their service to this panel.

WCHRI Summer Studentship Competition Statistics

Total applications received: 50

Total applications awarded: 26

2 applications ineligible

Application Statistics by Faculty and Department

Funded/Applied

Agriculture, Life & Environmental Science - Agricultural, Food and Nutritional Sciences: 0/1
Engineering – Chemicals & Materials Engineering: 1/1
Medicine & Dentistry – Biochemistry: 0/2
Medicine & Dentistry – Dentistry: 1/2
Medicine & Dentistry – Family Medicine: 0/1
Medicine & Dentistry – Gastroenterology: 2/2
Medicine & Dentistry – Laboratory Medicine & Pathology: 0/2
Medicine & Dentistry – Medical Genetics: 1/4
Medicine & Dentistry – Obstetrics & Gynecology: 3/4
Medicine & Dentistry – Pediatrics: 11/18
Medicine & Dentistry – Pharmacology: 1/1
Medicine & Dentistry – Physiology: 3/3
Medicine & Dentistry – Radiology & Diagnostic Imaging: 0/1
Medicine & Dentistry – Surgery: 0/1
Nursing: 2/2
Physical Education & Recreation: 1/1
Rehabilitation Medicine – Speech Pathology: 0/1
Science – Biological Sciences: 0/1

Questions?

Please contact WCHRI Research Grants Administration: wcgrants@ualberta.ca