

Results of the 2016 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 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 would like to congratulate this year's Summer Studentship awardees. The 2016 awardees are as follows:

| Applicant Name | Supervisor Name | Faculty & Department | Project Title | WCHRI Funder |
|-----------------|-----------------------|--|--|---------------|
| Agrawal, Ambika | Madsen, Karen | Medicine & Dentistry-Medicine | Effects of breast milk from mothers with inflammatory bowel disease on epithelial and microbial interactions | SCHF and RAHF |
| Bain, Alexandra | Schulz, Jane A. | Medicine & Dentistry-Obstetrics & Gynecology | A survey of patient comfort and familiarity with health information provided through different sources in a urogynecology clinic population | RAHF |
| Cao, Amanda T. | Kozyrskyj, Anita | Medicine & Dentistry-Pediatrics | Infant gut short-chain fatty acid biomarkers of preschool asthma | SCHF |
| Choi, Maria | Waskiewicz, Andrew J. | Science-Biological Sciences | Integrated studies of causality of Superior Coloboma | SCHF |
| Danesh, Ghazal | Wine, Eytan | Medicine & Dentistry-Pediatrics | Inflammasome activation by bacteria isolated from pediatric inflammatory bowel disease (IBD) patients | SCHF |
| Do, Victor | Hornberger, Lisa K. | Medicine & Dentistry-Pediatrics | Fetal cardiovascular programming in maternal diabetes: Cardiovascular structure and function in infancy and early childhood and its relationship to maternal glycemic control during pregnancy | SCHF and RAHF |

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|-------------------------|----------------------|--|---|------------------|
| Fagan, Kelly | Wevrick, Rachel | Medicine & Dentistry- Medical Genetics | The role of the childhood obesity protein MAGEL2 in intracellular signaling pathways | SCHF |
| Gyenes, Dora | Jain, Venu | Medicine & Dentistry- Obstetrics & Gynecology | Exploring doppler-based predictors of early fetal viability and chromosomal pathology through first trimester fetal echocardiography | SCHF and RAHF |
| Kassam, Shehzad | Salvalaggio, Ginetta | Medicine & Dentistry- Family Medicine | Evaluating the implementation of a managed alcohol program in an acute care setting | RAHF |
| Katzell, Alexis | Funk, Gregory | Medicine & Dentistry- Physiology | Finding the ion channel via which astrocyte-derived ATP excites inspiratory rhythm generating networks during hypoxia | SCHF |
| Le, Andy | MacLean, Joanna E. | Medicine & Dentistry- Pediatrics | The impact of cardio-respiratory function on quality of life in children with a history of extreme preterm birth | SCHF |
| Madsen, Mette | Bell, Rhonda C. | Agriculture, Life & Environmental Sciences- Agricultural, Food & Nutritional Science | Be healthy in pregnancy (BeHIP) - recruiting a passive control group of women receiving standard prenatal care and have not had contact with a registered dietitian | RAHF |
| Matenchuk, Brittany | Davenport, Margie | Physical Education and Recreation | The impact of sleep and lifestyle factors on postpartum weight retention | RAHF |
| Narvacan, Karl | Beaulieu, Christian | Engineering- Biomedical Engineering | Susceptibility-weighted magnetic resonance imaging of white matter tracts and subcortical grey matter in children with Fetal Alcohol Spectrum Disorder (FASD) | SCHF |
| Powley Unrau, Stephanie | Carson, Valerie | Physical Education and Recreation | Update of the Canadian Sedentary Behaviour Guidelines for the Early Years | SCHF |
| Purdy, Graeme | Steinback, Craig D. | Physical Education and Recreation | Blood pressure regulation during and after exercise in pregnant women | RAHF |
| Rycroft, Jordan | Chari, Radha S. | Medicine & Dentistry- Obstetrics & Gynecology | The relationship between the prelabour rupture of membranes and infant gut microbiota composition | SCHF and RAHF |
| Soo, Jeremy | Hawkes, Michael | Medicine & Dentistry- Pediatrics | Biomarkers of inflammation and endothelial activation in vertically HIV-1 | SCHF |

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| | | | infected children | |
| Stewart, Catherine | Curtis, Sarah J. | Medicine & Dentistry-Pediatrics | Protecting children from dog-bites and associated trauma: chart review from a sentinel site in Edmonton | SCHF |
| Walton, Sarah | Scott, Shannon D. | Nursing | Usability evaluation for arts-based, digital knowledge translation tools for parents with acutely ill children | SCHF |

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: 70*

Total applications awarded: 20

* less 1 withdrawn application

Application Statistics by Faculty and Department

Funded/Applied

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| Agriculture, Life & Environmental Science - Agricultural, Food and Nutritional Sciences: 1/1 |
| Arts-Psychology:0/1 |
| Engineering – Electrical & Computer Engineering: 0/1 |
| Medicine & Dentistry-Anesthesiology & Pain Medicine: 0/2 |
| Medicine & Dentistry – Biochemistry: 0/7 |
| Medicine & Dentistry/ Engineering – Biomedical Engineering: 1/1 |
| Medicine & Dentistry-Cell Biology: 0/2 |
| Medicine & Dentistry – Dentistry and Dental Hygiene: 0/4 |
| Medicine & Dentistry – Family Medicine: 1/1 |
| Medicine & Dentistry – Medical Genetics: 1/3 |
| Medicine & Dentistry-Medical Microbiology & Immunology: 0/1 |
| Medicine & Dentistry-Medicine :1/2 |
| Medicine & Dentistry – Obstetrics & Gynecology: 3/6 |
| Medicine & Dentistry-Oncology: 0/3 |
| Medicine & Dentistry – Pediatrics: 6/19 |
| Medicine & Dentistry – Pharmacology: 0/1 |
| Medicine & Dentistry – Physiology: 1/5 |

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| Medicine & Dentistry – Surgery: 0/1 |
| Nursing: 1/2 |
| Physical Education and Recreation: 3/3 |
| Rehabilitation Medicine-Occupational Therapy: 0/1 |
| School of Public Health: 0/2 |
| Science-Biological Sciences: 1/2 |

Questions?

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