

Results of the 2012 summer student 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 summer 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 Student 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 and the Royal Alexandra Hospital Foundation for their ongoing financial commitment to this grant program.

We would like to congratulate this year's Summer Studentship awardees. The Offers of Award for the 2012 WCHRI Summer Studentship award are as follows:

| Applicant | Supervisor | Department | Project Title |
|-------------------|-------------------|------------------------|--|
| Christen Klinger | Joel Dacks | Cell Biology | Comparative genomic analysis of multimeric tethering complexes in the apicomplexan parasites |
| Matthew Benson | Ordan Lehmann | Ophthalmology | Defining the molecular basis of pediatric glaucoma |
| Grayson Beecher | Francois Bolduc | Pediatrics | Pharmacotherapy of impaired social interaction in Autism Spectrum Disorder |
| Viane Faily | Catherine Field | Ag Food&Nut | Estimated choline intake in a cohort of pregnant women in Alberta |
| Michelle Chornell | Sandra Davidge | Psychology | Mechanisms of long-term vascular effects in an animal model of preeclampsia |
| Daniel Zimmerman | Eytan Wine | Pediatrics | Intestinal epithelial cell extrusion in pediatric inflammatory bowel disease (IBD) |
| Moses Fung | Bernard Thebaud | Pediatrics | Isolation and characterization of lung endothelial progenitor cells in health and disease |
| Sarah Aziz | Jason Dyck | Pediatrics | Pre-clinical testing of prenatal resveratrol administration in rats to prevent fetal programming of hypertension |
| Todd Radostits | Lesley Mitchell | Pediatrics | Identifying genetic markers for predicting children at risk for venous thrombosis in the pediatric oncology population |
| Ying Ling | Simon Urschel | Pediatrics | Human regulatory B cells: phenotypes and maturation of interleukin 10 producing B cells in children |
| Jeremy Fife | Hasan Uludag | Biomedical Engineering | Designing biomaterials to delivery siRNA in leukemia treatment |

| | | | |
|-------------------|-----------------|-------------------------|--|
| Lesley Thomas | Gary Lopaschuk | Pediatrics | Maturation of fatty acid oxidation in the newborn heart |
| Nathan Chu | Greg Funk | Physiology | Metabotropic glutamate receptors in the excitation of inspiratory networks by astrocytes |
| Jennifer Stanfel | Denise Hemmings | Ob/Gyn | Novel mechanisms of estrogen-induced vascular adaptation during pregnancy |
| Nicole Dahl | Gwen Rempel | Nursing | Relationship of child adaptive skills to family management and parenting stress in families of children with complex CHD |
| Hai Chuan Yu | YangXin Fu | Physiology | Down-regulation of GUCY1B3 by carboplatin and its implication in chemoresistance of ovarian cancer cells |
| Ori Scott | Jerry Yager | Pediatrics | Safety of broccoli sprouts in humans - a Phase 1 clinical trial |
| Dana MacIntyre | Linda Casey | Pediatrics | Growth patterns, body composition and growth factors in pre-term infants after hospital discharge: A pilot study |
| Michelle Casey | David Eisenstat | Molecular Genetics | Role of DXL genes in forebrain development and relevance to autism spectrum disorders |
| Orysya Svystun | Shairaz Baksh | Pediatrics | Post-translational modification of the pro-apoptotic protein MOAP-1 in pediatric leukemias |
| Danielle Arseneau | Shannon Scott | Nursing | Research Nurses' experiences of using iPads for data collection in a Pan-Canadian study |
| Diya Shi | Sandra Wiebe | Neuroscience Psychology | Neural correlates of self-regulation: The transition from early to middle childhood |

wchri summer studentship competition statistics

Total applications received: 45 Total applications funded: 22

Total applications withdrawn prior to peer-review: 1

Student Statistics:

BSc: 32

MD: 7

BScN: 4

BPE: 1

24 Biomedical

3 Biomedical/Clinical

8 Clinical

5 Social, Cultural, Environmental & Population Health

3 Health Systems Services

1 Social, Cultural, Environmental & Population Health and Health Systems Services

Funding outcomes by Department:

Agricultural Food and Nutritional Science: 1
Biochemistry: 1
Biology: 3
Cell Biology: 1
Molecular Genetics: 2
Neuroscience: 1
Neuroscience/Psychology: 1
Neurosurgery: 1
Nursing: 4
Obstetrics & Gynecology: 2
Oncology: 1
Ophthalmology: 1
Pediatrics: 20
Physiology: 2
Pharmacology: 1
Physical Education: 1
Psychology: 1

questions?

Lorin Charlton, PhD, Research Grants Administrator
women & children's health research institute
University of Alberta
4-081 Edmonton Clinic Health Academy (ECHA)
11405 – 87 Avenue
Edmonton, AB T6G 1C9
Phone: 780.248.5601
Email: lorincharlton@med.ualberta.ca