

## Results of the 2021 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. This 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 are offered to those who have been successful in obtaining both the WCHRI Summer Studentship award as well as another qualifying peer-reviewed summer studentship award.

A listing of the successful applicants is provided below. On behalf of WCHRI, Dr. Sandy Davidge, WCHRI executive director, and Dr. Todd Alexander, WCHRI associate director, Dr. Simon Gosgnach, chair, and Dr. Carmen Rasmussen, co-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 application.

WCHRI would like to acknowledge the ongoing commitment and generosity of the Stollery Children's Hospital Foundation (SCHF) and the Alberta Women's Health Foundation (AWHF) for their financial support of this award program.

### Listing of awardees

| Applicant            | Supervisor/<br>Co-supervisor        | Institutional<br>sponsor                               | Project<br>Title   | WCHRI<br>Funder |
|----------------------|-------------------------------------|--|--|-----------------|
| Alam,<br>Abrar       | Dyck, Jason<br>R.B.                 | Medicine &<br>Dentistry-<br>Pediatrics                 | Identifying patients at risk of heart<br>disease from cancer treatment   | AWHF            |
| Ayalew,<br>Beimnet   | Tan, Qiumin                         | Medicine &<br>Dentistry-Cell<br>Biology                | Using 3D imaging to detect transient<br>neurons in the developing brain  | SCHF            |
| Dobson,<br>Lauren    | Scott,<br>Shannon/<br>Flynn, Rachel | Nursing  | An evaluation of how researchers<br>partner with parents to conduct<br>research in the neonatal intensive care<br>unit | SCHF            |
| Howard,<br>Alexander | Schulz, Jane A                      | Medicine &<br>Dentistry-<br>Obstetrics &<br>Gynecology | Barriers in accessing surgery for<br>transgender care: A qualitative study   | AWHF            |
| Kryslar,<br>Amanda   | Khoury,<br>Michael                  | Medicine &<br>Dentistry-<br>Pediatrics                 | High-intensity interval training in youth<br>who have received heart transplants                                       | SCHF            |
| Lee, Christy         | Alexander,<br>R. Todd               | Medicine &<br>Dentistry-<br>Pediatrics                 | Mutation of a little known gene<br>causing rickets because of low blood<br>phosphate levels                            | SCHF            |

|                        |                                |   |   |            |
|------------------------|--------------------------------|---|---|------------|
| Li, Yutong             | Voronova, Anastassia           | Medicine & Dentistry-Medical Genetics               | Engaging neural stem cells for healthy brain development  | SCHF       |
| Liu, Ricky             | Davidge, Sandra                | Medicine & Dentistry-Obstetrics & Gynecology        | The role of the placenta in altering the function of the blood vessels in women with preeclampsia   | AWHF/ SCHF |
| Logan, Jessica         | Yardley, Jane                  | Kinesiology, Sport, and Recreation                  | Weight lifting for post-menopausal women with type 1 diabetes   | AWHF       |
| Mah, Richard           | Bourque, Stephane              | Medicine & Dentistry-Anesthesiology & Pain Medicine | Investigating the effects of maternal iron deficiency in the developing kidney  | AWHF/ SCHF |
| Patel, Vaishvi         | Ross, Sue                      | Medicine & Dentistry-Obstetrics & Gynecology        | Assessing menopause knowledge to help improve quality of life for women going through menopause   | AWHF       |
| Princ, Magdalena       | Olson, David/ Leimert, Keylcia | Medicine & Dentistry-Obstetrics & Gynecology        | A diagnostic and therapeutic for preterm birth targeting inflammation   | AWHF/ SCHF |
| Rasmuon, Jaslyn        | Oudit, Gavin                   | Medicine & Dentistry-Medicine                       | Understanding sex differences in diabetic cardiovascular disease  | AWHF       |
| Sinnatamby, Tristan    | Funk, Gregory                  | Medicine & Dentistry-Physiology                     | Exploring the mechanisms by which the brain counteracts the life-threatening depression of breathing that accompanies reductions in brain oxygen in prematurity | SCHF       |
| Souter, Katherine      | Graf, Daniel                   | Medicine & Dentistry-Dentistry and Dental Hygiene   | BMP2 gene in cranial sutures—more than just bone formation  | SCHF       |
| Thai, JuliAnn          | Hocking, Jennifer              | Medicine & Dentistry-Cell Biology                   | Using zebrafish to model vision loss in a congenital eye disease  | SCHF       |
| Tworek, Kimberly       | Macala, Kimberly               | Medicine & Dentistry-Anesthesiology & Pain Medicine | Neonatal sepsis and its sex-specific effects on vascular development and long-term outcomes   | AWHF/ SCHF |
| Wilton-Clark, Harry    | Yokota, Toshifumi              | Medicine & Dentistry-Medical Genetics               | Skipping genes-improving treatment for Duchenne Muscular Dystrophy by skipping over mutations   | SCHF       |
| Yang, Samuel (Suk-Min) | Storey, Kate E                 | Public Health, School of                            | Sleeping soundly: Strengthening school-based sleep education through extensive stakeholder consultation   | SCHF       |
| Zhang, Caseng          | Hicks, Elizabeth               | Medicine & Dentistry-Pediatrics                     | A time lapse study of the bacteria that colonize the airways of children with tracheostomies  | SCHF       |

Refer to the [program guidelines](#) for additional competition results information and awardee requirements.

### Application statistics

Total eligible applications: 75  
Total applications awarded: 20  
Funding rate = 27%

### Application statistics by faculty and department (funded/applied)

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| Agriculture, Life & Environmental Sciences-Agricultural, Food & Nutritional Science: 0/1 |
| Arts-Psychology: 0/1   |
| Kinesiology, Sport and Recreation: 1/2   |
| Medicine & Dentistry-Anesthesiology & Pain Medicine: 2/2                                 |
| Medicine & Dentistry-Biochemistry: 0/5   |
| Medicine & Dentistry-Cell Biology: 2/2   |
| Medicine & Dentistry-Dentistry and Dental Hygiene: 1/2                                   |
| Medicine & Dentistry-Family Medicine: 0/1  |
| Medicine & Dentistry-Laboratory Medicine & Pathology:0/1                                 |
| Medicine & Dentistry-Medical Genetics: 2/4   |
| Medicine & Dentistry-Medical Microbiology & Immunology: 0/1                              |
| Medicine & Dentistry-Medicine: 1/3   |
| Medicine & Dentistry-Obstetrics and Gynecology: 4/9                                      |
| Medicine & Dentistry-Pediatrics: 4/17  |
| Medicine & Dentistry-Pharmacology: 0/1   |
| Medicine & Dentistry-Physiology: 1/2   |
| Medicine & Dentistry-Radiology & Diagnostic Imaging: 0/2                                 |
| Medicine & Dentistry-Surgery: 0/3  |
| Nursing: 1/5   |
| Rehabilitation Medicine-Communication Sciences and Disorders: 0/3                        |
| Rehabilitation Medicine-Physical Therapy: 0/2  |
| Saint-Jean: 0/1  |
| School of Public Health: 1/3   |
| Science-Biological Sciences: 0/2   |

### Questions?

Contact WCHRI Grants Administration at: [wcgrants@ualberta.ca](mailto:wcgrants@ualberta.ca)