



UNIVERSITY OF  
CALGARY

Hotchkiss Brain Institute

# HBI Summer Student Symposium

2023

Wednesday August 23<sup>rd</sup>, 2023  
Foothills Hospital | Calgary  
Check-in at HRIC Atrium

# Schedule

## Wednesday, August 23

<b>8:10 - 8:50</b>	<b>Breakfast and Check-In</b>	<b>HRIC Atrium</b>
<b>8:50 - 9:00</b>	<b>Welcome and Land Acknowledgement</b>	<b>Theatre 4</b>
<b>9:00 - 10:15</b>	<b>Student Oral Presentations Session I</b>	<b>Theatre 4</b>
<b>10:15 - 10:30</b>	<b>Break</b>	
<b>10:30-10:50</b>	<b>Data Blitz</b>	<b>Theatre 4</b>
<b>11:00 - 12:00</b>	<b>Poster Session I</b>	<b>HRIC Atrium</b>
<b>12:00 - 1:00</b>	<b>Lunch</b>	<b>HRIC Atrium</b>
<b>1:00 - 2:00</b>	<b>Poster Session II</b>	<b>HRIC Atrium</b>
<b>2:00 - 3:15</b>	<b>Student Oral Presentations Session II</b>	<b>Libin Theatre</b>
<b>3:15 - 4:15</b>	<b>Keynote Speaker - Dr. Grant R.J. Gordon</b>	<b>Libin Theatre</b>
<b>4:15 - 4:40</b>	<b>Awards and Closing Remarks</b>	<b>Libin Theatre</b>

# Oral Presentation Speakers

## Session I

9:00 | Theatre 4

**Abeer Ahmed**

9:00-9:15

Title: Exploring Hypoxia in an MS Model and Determining the Impact of Oxygen Levels on Astrocyte Immune Functions

**Camille Eamon**

9:15-9:30

Title: Selective impairments in learning from visual or proprioceptive feedback during the early subacute phase of stroke

**Alison Frayne**

9:30-9:45

Title: Connectivity Changes in Mood Regulator Brain Networks Across the Menstrual Cycle

**David Girgis**

9:45-10:00

Title: Epidural Electrical Stimulation Improves Sleep Quality in a Person with Spinal Cord Injury

**Patrick Grovue**

10:00-10:15

Title: Exploring Noradrenaline-Related Calcium Dynamics in Corticotropin-Releasing Hormone Neurons and Astrocytes of the Paraventricular Nucleus of the Hypothalamus

## Session II

2:00 | Libin Theatre

**Aliza Jaffer**

2:00-2:15

Title: COVID-19 Pandemic-Related Prenatal Distress and Child Functional Brain and Behavioural Development

**Kshef Kamran**

2:15-2:30

Title: Repetitive transcranial magnetic stimulation as a treatment for persistent post-concussion symptoms and the impact on quality of life

**Rachel Oskin**

2:30-2:45

Title: The Role of Local Steroidogenesis in Driving Hypothalamic Vasopressin Sex Differences

**Gurleen Randhawa**

2:45-3:00

Title: Promoting Remyelination by Overcoming Two Crucial Inhibitors in the Brain Extracellular Matrix.

**Adam Vernaleken**

3:00-3:15

Title: Amyloid-like Epitopes in B lymphocytes: A potential novel mechanism of CNS damage in MS

# Keynote Speaker

Dr. Grant R.J. Gordon

3:15 | Libin Theatre

Title: Brain micro-circulation control by astrocytes





