Hotchkiss Brain Institute

HBI Summer Student Symposium

2023

Wednesday August 23rd, 2023
Foothills Hospital | Calgary
Check-in at HRIC Atrium
## Schedule

### Wednesday, August 23

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