

# PROGRAM

Ninth Annual G.F. Strong Rehabilitation Centre

Rehabilitation Research Day

May 9, 2018

**0945**

**Registration**

**1000 Podium Presentation: Session 1–G.F. Strong Lecture Theatre**

**1000 OPENING REMARKS.**

- 1005 Development and implementation of a universal standing and walking assessment tool (SWAT) for Spinal Cord Injury during the rehabilitation process. Christine Poirier, GF Strong; Gillian Coates, GF Strong; Tova Plashkes, Rick Hansen Institute.
- 1018 Acute pharmacological management after spinal cord injury: A secondary analysis of clinical trial data. Catherine Jutzeler. Postdoctoral Fellow, UBC School of Kinesiology.
- 1031 Impact of altering spinal cord excitability on exercise capacity during peak arm-crank ergometry. Tom Nightingale, Postdoctoral Research Fellow, ICORD.
- 1044 Restoring supraspinal control to promote cardio-autonomic recovery after spinal cord injury. Rahul Sachdeva, Craig H. Neilsen Postdoctoral Fellow, ICORD.
- 1057 Motherhood after spinal cord injury: lactation, breastfeeding and autonomic dysreflexia. Amanda Lee, MSc Student, Autonomic Research Laboratory, ICORD.
- 1110 Exploring the activity spaces of people with disabilities. Mike Prescott, PhD Candidate.
- 1123 Do Inflammatory arthritis inpatients receiving group music therapy improve pain control compared to music listening over the 3 weeks using a randomised controlled open-label trial? Katherine Wright, Sophia Zhao, G.F. Strong Rehabilitation Centre.

**1145**

**Lunch – Boardroom 109**

**1215**

**LUNCHTIME PRESENTATION – G.F. STRONG LECTURE THEATRE**

## **“Physical Exercise for Brain Health”**

**Dr. Teresa Liu-Ambrose**

Canada Research Chair; Physical Activity, Mobility, and Cognitive Neuroscience Director;  
Aging, Mobility, and Cognitive Neuroscience Laboratory.

**1300**

**Poster Session – G.F. Strong Spinal Cord Gym**

1430

--- BREAK ---

**1445 Podium Presentations: Session 2–G.F. Strong Lecture Theater**

- 1445 An analysis of functional brain connectivity following concussions in adolescents.  
Vrinda Munjal, Undergraduate Research, Djavad Mowafaghian Centre for Brain Health.
- 1458 Updated prevalence of upper limb weakness following stroke: Do fewer people experience arm weakness today? Lisa Simpson, PhD student, UBC Rehabilitation Sciences.
- 1511 Stuck in a state of inattention? Functional hyper-connectivity as an indicator of disturbed intrinsic brain dynamics in adolescents with concussion: A pilot study. Angela Muller, Postdoctoral Fellow, Department of Physical Therapy, UBC.
- 1524 Lower extremity mirror therapy for balance and gait post-stroke: A systematic review and meta-analysis. Riley Louie, PhD Candidate, UBC Rehabilitation Sciences.
- 1537 Preliminary evidence of atypical somatic symptoms in individuals with prolonged recovery from mild traumatic brain injury. Katherine Green, MSc Candidate, Experimental Medicine.
- 1550 The effect of social context on functional connectivity and between-brain coupling.  
Amna Hyder, MSc Student, Neurosciences, UBC.
- 1603 Intra-rater and inter-rater reliability of Penn Spasm Frequency Scale in chronic traumatic spinal cord injury. Lawrence Kei MD, UBC Resident in Physical Medicine & Rehabilitation.

**1630 Plenary Session – G.F. Strong Lecture Theatre**

**“Treatment of Persistent Symptoms after Mild Traumatic Brain Injury: What Does the Evidence Tell Us?”**

Canadian Association of Physical Medicine and Rehabilitation Visiting Professor:

**Dr. Mark Bayley**

Medical Director, Brain and Spinal Cord Rehabilitation Program; University Health Network – Toronto  
Rehabilitation Institute Chair; Brain Injury Committee, Ontario Neurotrauma Foundation.

**1715 Closing Remarks & Award Presentations**

## Poster Session Presenters 1300- 1430

<b>Jordan Ali</b>	Outcomes of a brief coping skills group intervention for adults with severe persisting symptoms after concussion.	Psychology Practicum Student.
<b>Abdullah A. Alrashidi</b>	Cardiorespiratory fitness responses to body weight-support treadmill training (BWSST) and arm-cycle ergometry training (ACET) in individuals with chronic complete-motor spinal cord injury: A randomized controlled trial.	PhD Candidate, Experimental Medicine, Autonomic Research Laboratory.
<b>Dorian Aur</b>	Evidence of brain network fragmentation 1-year post concussion in adolescent athletes: A pilot study.	PhD, Research Associate, Dept of Psychiatry, UBC.
<b>Shane Balthazaar</b>	Left ventricular function after acute spinal cord injury.	Graduate student at ICORD, Autonomic Function Lab, UBC.
<b>Amanda Cheung</b>	Timing of acute vasopressor administration after traumatic SCI: The impact on blood flow, oxygenation, pressure, and metabolic responses using a porcine model.	MSc student, Neuroscience, ICORD.
<b>Amna Hyder</b>	Increased network connectivity across all frequency bands in adolescents with concussion	MSc student Neurosciences, UBC.
<b>Sharon Jang</b>	Caught in between: Tensions experienced by community scooter users.	MSc Candidate.
<b>Emma Kiss</b>	EEG neurofeedback as a potential therapy for Parkinson's disease symptoms.	BSc, Research Assistant, Pacific Parkinson's Research Centre, UBC
<b>Arshdeep Marwaha</b>	Atrophic changes in pelvic ganglia neurons following spinal cord injury.	Undergrad Student.
<b>Geoff McKendry</b>	Balance training using artificial delays: a novel robotic intervention for people with neurological disorders.	MSc Student, Sensorimotor Physiology Lab, UBC.
<b>Tamineh Mousavi</b>	Enhancing quality of life in children with Autism Spectrum by improving their central human functional capabilities.	PhD in Rehabilitation Sciences, OT; Assistant Professor, Occupational Therapy Department.

<b>Abbas Orand</b>	Towards an affordable, portable and easy to use bimanual training device: a preliminary study.	Post-Doctoral Fellow, MENRVA Laboratory.
<b>Andrea Ramirez</b>	Efficacy of fesoterodine to reduce the severity of autonomic dysreflexia in individuals with neurogenic detrusor overactivity following spinal cord injury.	BSc, Clinical Research Facilitator, Autonomic Research Laboratory.
<b>Leia Shum</b>	Motor adaptation to visual symmetry error augmentation in bimanual forward reaching.	MASc student at the CARIS/RREACH Lab.
<b>Jacob Stubbs</b>	Dual-task smooth pursuit eye movement improves the diagnostic performance of pursuit in mild traumatic brain injury.	BKin. Student, Department of Psychiatry, UBC.
<b>Matthias Walter</b>	Acute effects of epidural spinal cord stimulation on bladder and bowel function in one individual with spinal cord injury.	Post-Doctoral Research Fellow, ICORD.
<b>Freda Warner</b>	The Effects of Gabapentinoids on Neurological Recovery after Spinal Cord Injury	PhD Candidate, Kramer Lab ICORD, UBC.
<b>Anh Khoa Vo</b>	Novel Predictors of Spinal Cord Injury Outcomes.	MSc, ICORD.

## PARTNERS



## CONTRIBUTORS

Canadian Association of Physical Medicine & Rehabilitation, Visiting Professor Award

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