PROGRAM
Eighth Annual G.F. Strong Rehabilitation Centre Rehabilitation Research Day
May 3, 2017

0915 REGISTRATION

0930 PODIUM PRESENTATION SESSION 1 – G.F. STRONG LECTURE THEATRE

0930 OPENING REMARKS.


0948 Reducing compensatory movements in stroke therapy through the use of robotic devices and augmented feedback. Bulmaro Valdés. Biomedical Engineering, PhD Candidate, UBC.

1001 An EEG controlled exoskeleton for upper extremity rehabilitation after stroke: A case study. Xin Zhang. PhD Candidate, MENRVA Research Group, SFU.

1014 The effect of dropped foot stimulation on gait parameters and walking speed in stroke subjects. Maura Whittaker. Physiotherapist, Private Practice.

1030 BREAK

1050 PODIUM PRESENTATION SESSION 2 – G.F. STRONG LECTURE THEATRE

1050 Falls in the rehabilitation facility: who, why and how? Alexander Wilson. Medical Student, UBC.

1103 What is the predictor for autonomic dysreflexia during urodynamic investigation in individuals with spinal cord injury? Matthias Walter. Postdoctoral Research Fellow, Autonomic Research Unit, ICORD


1145 LUNCH – BOARDROOM 109

1215 LUNCHTIME PRESENTATION – G.F. STRONG LECTURE THEATRE

“Biomarkers of Stroke Recovery: Can we predict outcome”

Lara Boyd PT, Ph.D.
Professor, Department of Physical Therapy, University of British Columbia
Canada Research Chair in Neurobiology of Motor Learning
Director, Brain Behaviour Laboratory

1300 POSTER SESSION – G.F. STRONG SPINAL CORD GYMNASIUM

1430 BREAK
1445 PODIUM PRESENTATION SESSION 3 – G.F. STRONG LECTURE THEATRE

1445  E-textile Smart Knee Joint Movement Monitor Brace. William Geng, M.A.Sc Candidate, SFU Research Assistant at MENRVA Laboratory.

1458  Minocycline partially restores blood pressure regulation after experimental spinal cord injury. Ian Ruiz. Biomedical Physiology MD Student, UBC.

1511  Apps are our future: Developing a mobile self-management intervention for people with SCI. Gurkaran Singh. MSc Student, Rehabilitation Sciences, ICORD.

1524  The ProacTive SCI Toolkit: Physiotherapists promoting physical activity to clients with spinal cord injury. Jasmin Ma. PhD Candidate, Behaviour Change Science and Disability, UBC (Okanagan)

1537  The impact and evolution of acute SCI on autonomic cardiovascular control and susceptibility to cardiac arrhythmia. Vera-Ellen Lucci. MSc Student, Cardiovascular Physiology Lab, SFU.


1603 SPECIAL PRESENTATION – G.F. STRONG LECTURE THEATRE

“Making it Work: Research and WorkSafeBC”
Deepani Weerapura, Manager, Research Services, WorkSafeBC

1630 PLENARY SESSION – G.F. STRONG LECTURE THEATRE

“Enhancing Exercise and Sport Participation among Adults with Spinal Cord Injury”
Kathleen A. Martin Ginis Ph.D., O.M.C.
Professor, School of Health & Exercise Sciences, University of British Columbia, Okanagan Campus
Chair & Principal Investigator, Canadian Disability Participation Project
Founder & Director, SCI Action Canada

1715 CLOSING REMARKS & AWARD PRESENTATIONS

PARTNERS

CONTRIBUTORS

WorkSafeBC
David H. Doig & Associates
Allergan
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<tr>
<th></th>
<th>Name</th>
<th>Title</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>1</td>
<td>Vera-Ellen Lucci</td>
<td>Sympathetic stimulation increases susceptibility to cardiac arrhythmia in rodents with high-thoracic spinal cord injury</td>
<td>PhD Student, Cardiovascular Physiology Lab, SFU</td>
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<tr>
<td>2</td>
<td>Hadi Moein</td>
<td>Use of a potential compression therapy device improves orthostatic responses in healthy individuals: a randomized, placebo controlled trial</td>
<td>Ph.D. Candidate, School of Engineering Science, SFU</td>
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<td>3</td>
<td>Rahul Sachdeva</td>
<td>A Triple Combination Approach Involving Nerve Transplantation, Glial Scar Digestion and Passive Exercise Promotes Cardiovascular Recovery after Spinal Cord Injury</td>
<td>Postdoctoral Fellow, Autonomic Research laboratory, ICORD</td>
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<td>4</td>
<td>Delphine Labbé</td>
<td>Understanding the burden experienced by caregivers of older adults who use power mobility</td>
<td>Postdoctoral Fellow, GF Strong Rehabilitation Research Centre</td>
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<td>5</td>
<td>Bobo Tong</td>
<td>Serum albumin predicts long-term neurological outcomes after acute spinal cord injury</td>
<td>Research Assistant, ICORD, Kramer Lab</td>
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<td>6</td>
<td>Megan MacGillivray</td>
<td>The feasibility of evaluating a self-management mobile app for SCI in the inpatient and early community settings</td>
<td>PhD Candidate, UBC Rehabilitation Sciences</td>
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<td>7</td>
<td>Amanda Lee</td>
<td>Cardiovascular responses to ballroom dancing with spinal cord injury</td>
<td>MSc student (Experimental Medicine), Autonomic Research Laboratory, ICORD</td>
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<td>8</td>
<td>Anne Harris</td>
<td>Interim results of implantation of the Spinal Cord Independence Measure (SCIM III) into clinical practice in spinal cord injury rehabilitation programs across Canada</td>
<td>National Clinical Liaison, Rick Hansen Institute</td>
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<td>9</td>
<td>Seth Tigchelaar</td>
<td>Effects of Injury Severity on miRNA Expression Profile in CSF and Serum Samples from Human Patients with SCI</td>
<td>PhD Candidate, ICORD (Kwon Lab)</td>
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<td>10</td>
<td>Sharon Jang</td>
<td>Blurred lines: The liminality of mobility scooters</td>
<td>MSc Candidate, Rehabilitation Sciences, Rehabilitation Research Lab</td>
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<td>11</td>
<td>Gil Herrnstadt</td>
<td>Testing a wearable suppression device on individuals with tremor</td>
<td>PhD Candidate, MENRVA Research Group, SFU</td>
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<td>12</td>
<td>Jordan Liu</td>
<td>Wearable optical sensing technologies that can bring rehabilitation from the clinic to the home.</td>
<td>M.A.Sc Candidate, SFU Research Assistant at MENRVA Laboratory</td>
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<td>13</td>
<td>Zeina Waheed</td>
<td>Utilization and Impact of a Computerized International Standards for Neurological Classification of Spinal Cord Injury (ISNCSCI) Algorithm</td>
<td>Research Coordinator, Rick Hansen Institute</td>
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<td>14</td>
<td>Catherine Jutzeler</td>
<td>New insights into sensorimotor recovery after spinal trauma — a translational study</td>
<td>Post-doctoral fellow, ICORD</td>
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<td>15</td>
<td>Matthew Queree</td>
<td>The Spinal Cord Injury Research Evidence SCIRE Project: Progress to Date</td>
<td>M.App. Psych, B.A (Hons) SCIRE Research Coordinator</td>
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<td>16</td>
<td>Ian Ruiz</td>
<td>Incidence and natural progression of neurogenic shock following traumatic spinal cord injury</td>
<td>BSc. (Hons) Biomedical Physiology MD Class of 2019 University of British Columbia</td>
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<td>17</td>
<td>Paulina Scheuren</td>
<td>The Chicken or the Egg: Neuropathic Pain Causes Changes in the Temporal Summation of Pain after Spinal Cord Injury</td>
<td>ICORD</td>
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LOCATION:
G.F. Strong Rehabilitation Centre
4255 Laurel Street
Vancouver BC

Lecture Theatre
(Accessible from the Front Lobby)

PARTNERS:
G.F. Strong Rehabilitation Centre
Rehabilitation Research Program, G.F. Strong
UBC Division of Physical Medicine and Rehabilitation
UBC Rehabilitation Research Laboratory, G.F. Strong
UBC Department of Occupational Science and Occupational Therapy
UBC Department of Physical Therapy
Vancouver Coastal Health Research Institute
ICORD

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