Satellite Meeting Program Agenda
Spinal Cord Injury: From Mechanisms to Treatments

WEDNESDAY, JULY 19, 2017

7:00 - 8:00 AM  Registration and Continental Breakfast
8:00 - 8:15 AM  Welcome and Opening Remarks
8:15 - 10:00 AM  Can We Repair the Spinal Cord?
  Chair: Vance Lemmon, PhD
  Speakers:
  • Phillip G. Popovich, PhD
  • Jerry Silver, PhD
  • Martin Oudega, PhD
  • Giles W. Plant, PhD
10:00 - 10:30 AM  Coffee Break
10:30 - 12:30 PM  Strategies to Augment Spinal Cord Function
  Chair: Monica A. Perez, PT, PhD
  Speakers:
  • Grégoire Courtine, PhD
  • Aiko K. Thompson, PhD
  • W. Dalton Dietrich, PhD
  • William Z. Rymer, MD, PhD
12:30 - 1:30 PM  Lunch
1:30 - 3:00 PM  Sensorimotor Reorganization after Spinal Cord Injury
  Chair: Christine K. Thomas, PhD
  Speakers:
  • Jon H. Kaas, PhD
  • John H. Martin, PhD
  • Toshiki Tazoe, PhD
3:00 - 3:30 PM  Coffee Break
3:30 - 5:30 PM  Clinical Consequences after Spinal Cord Injury
  Chair: Eva Widerstrom-Noga, DDS, PhD, and Allan D. Levi, MD, PhD, FACS
  Speakers:
  • Jane E. Butler, PhD
  • Bradley A. DeForest, MS
  • Eva Widerstrom-Noga, DDS, PhD
  • James D. Guest, MD, PhD, FACS
7:00 - 10:00 PM  PMC XI Opening Reception
PMC XI Program Agenda

THURSDAY, JULY 20, 2017

Day 1: Neural Control of Voluntary Actions

7:00 - 8:00 AM  Registration and Continental Breakfast

8:00 - 8:15 AM  Welcome and Opening Remarks

8:15 - 10:00 AM  Contributions of the Primary Motor Cortex

Chair: Jon H. Kaas, PhD
Speakers:
  • Peter L. Strick, PhD
  • Stuart N. Baker, PhD
  • Mark M. Churchland, PhD

10:00 - 10:30 AM  Coffee Break and Exhibits

10:30 - 12:00 PM  Neuromodulation and Spinal Cord Targets

Chair: Hans Hultborn, DMSci
Speakers:
  • Brian R. Noga, PhD
  • Robert M. Brownstone, MD, PhD
  • Jonathan R. Wolpaw, MD

12:00 - 2:00 PM  Lunch and Posters

2:00 - 3:30 PM  Decision-Making and Executive Response Control

Chair: Paul L. Gribble, PhD
Speakers:
  • Adam R. Aron, PhD
  • Julie Duque, PhD
  • John C. Rothwell, PhD

3:30 - 4:00 PM  Coffee Break and Exhibits

4:00 - 5:30 PM  Movement Synergies and Bimanual Coordination

Chair: Mark L. Latash, PhD
Speakers:
  • Emilio Bizzi, MD, PhD
  • Stephan P. Swinnen, PhD
  • Robert L. Sainburg, PhD
FRIDAY, JULY 21, 2017

Day 2: Theories of Motor Control: From Dynamics to Movement Disorders

7:00 - 8:30 AM  Registration and Continental Breakfast

8:30 - 10:00 AM  Theories and Dynamics of Movement
    Chair: Sten Grillner, MD, PhD
    Speakers:
    • Mark L. Latash, PhD
    • Anatol G. Feldman, PhD
    • Reza Shadmehr, PhD

10:00 - 10:30 AM  Coffee Break and Exhibits

10:30 - 12:00 PM  Computations Applied to an Injured System
    Chair: Richard A. Andersen, PhD
    Speakers:
    • Andrew B. Schwartz, PhD
    • Robert F. Kirsch, PhD
    • Ferdinando A. Mussa-Ivaldi, PhD

12:00 - 2:00 PM  Lunch and Posters

2:00 - 3:30 PM  Moving with an Injured Spinal Cord
    Chair: Charles J. Heckman, PhD
    Speakers:
    • Corinna Darian-Smith, PhD
    • Monica A. Perez, PT, PhD
    • Andrew Jackson, PhD

3:30 - 4:00 PM  Coffee Break and Exhibits

4:00 - 5:30 PM  Adaptation or Compensation Following Stroke?
    Chair: Julius Dewald, PT, PhD
    Speakers:
    • Numa Dancause, PT, PhD
    • Mindy F. Levin, PT, PhD
    • John W. Krakauer, MD

5:30 - 6:30 PM  Bernstein Prize in Motor Control
    Chair: Scott Kelso, PhD
    Speaker:
    Sten Grillner, MD, PhD, Karolinska Institute
    “The Logics of Networks in Motion – Evolutionary Conserved Control Strategies Throughout Vertebrate Phylogeny”

6:30 - 7:30 PM  Bernstein Prize Reception
SATURDAY, JULY 22, 2017

Day 3: Movement Perception and Performance

7:00 - 8:30 AM  Registration and Continental Breakfast

8:30 - 10:00 AM  Optimality in Motor Control
Chair: Gregor Schöner, PhD
Speakers:
• Boris I. Prilutsky, PhD
• Gerald E. Loeb, MD
• Alexander V. Terekhov, PhD

10:00 - 10:30 AM  Coffee Break and Exhibits

10:30 - 12:00 PM  Plasticity and Motor Learning
Chair: Natalie Mrachacz-Kersting, PhD
Speakers:
• Vincenzo Di Lazzaro, MD, PhD
• Rachael D. Seidler, PhD
• Heather McGregor, PhD student

12:00 - 2:00 PM  Lunch and Posters

2:00 - 3:30 PM  Sense and Intention of Movement
Chair: Jane E. Butler, PhD
Speakers:
• Richard A. Andersen, PhD
• J. Randall Flanagan, PhD
• Martin Héroux, PhD

3:30 - 4:00 PM  Coffee Break and Exhibits

4:00 - 5:30 PM  Spinal Motoneurons: Multiple Roles in Movement
Chair: Inge Zijdewind, PhD
Speakers:
• Charles J. Heckman, PhD
• Janet L. Taylor, PhD
• Christine K. Thomas, PhD

7:30 - 11:30 PM  PMC XI Closing Dinner