

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**