

First Joint Meeting*
Spinal Cord Injury Center, Heidelberg University Hospital, Germany
Spinal Cord Injury Center, University Hospital Balgrist, Zürich, Switzerland

Bridging Preclinical and Clinical Tools for Motor Assessment, Training and Recovery in Spinal Cord Injury

- Accredited training event of the Medical Association of Baden-Wuerttemberg

Meeting Location

The meeting place is located about 10 min by train or car outside of central Heidelberg:

Orthopädische Universitätsklinik
Department of Orthopedics, Trauma Surgery and Spinal Cord Injury
Spinal Cord Injury Center
University Hospital Heidelberg
Schlierbacher Landstr. 200A
69118 Heidelberg

Room: Alte Kapelle (old chapel)

PROGRAM

FRIDAY APRIL 27, 2012

- 12:30-13:20 Registration
- 13.20-13.40 Introductory Remarks: Armin Blesch, Armin Curt and Norbert Weidner
- Session 1** Chair: Armin Blesch
- 13.40-14.20 Gregoire Courtine, University of Lausanne
"Restoring voluntary control of locomotion after paralyzing spinal cord injury"
- 14.20-15.00 Karim Fouad, University of Alberta, Edmonton, Canada
"Boosting rehabilitative training in animal models of spinal cord injury"
- 15.00-15.40 Jim Conner, University of California, San Diego
"Assessing corticospinal plasticity following skilled motor learning"
- 15.40-16.00 *Coffee Break*
- Session 2** Chair: Armin Curt
- 16.00-16.40 Milos Popovic, University of Toronto, Canada
"Toronto Rehab's FES Therapy for Grasping in Subacute Traumatic Incomplete SCI Patients: Randomized Control Trial"
- 16.40-17.20 Rüdiger Rupp, Spinal Cord Injury Center, University Hospital Heidelberg
"From preclinical research to clinical rehabilitation of individuals with SCI -

Getting into the loop?!"

17.20-18.00 Lea Awai, University of Zürich
"Walking pattern and neural control in incomplete SCI"

SATURDAY APRIL 28, 2012

Session 3 Chair: Rüdiger Rupp

9.00-9.40 Errol Marklein, Sunrise Medical
„From conventional care-giving to participation – a personal view”

9.40-10.20 Christian Schuld, University Hospital Heidelberg
"From diagnostics to therapy - the role of realtime gait analysis in the rehabilitation of incomplete SCI subjects"

10.20-11.00 Kenneth Hunt, Bern University of Applied Sciences
"Physiological Outcomes of Intensive, Long-term FES-cycle Training”

11.00-11.20 *Coffee Break*

Session 4 Chair: Norbert Weidner

11.20-12.00 James Fawcett, University of Cambridge
"Targeting the extracellular matrix to activate plasticity”

12.00-12.40 Adam Ferguson, University of California, San Francisco, USA
"Syndromic analysis of SCI outcome across species"

12.40-14.00 *Lunch buffet*

Session 5 Chair: Markus Wirz

14.00-14.40 Winfried Mayr, University of Wien, Austria
"FES of denervated muscles, a new therapy option after lower motor neuron lesion"

14.40-15.20 Keith Tansey, Emory University, Atlanta and Shepard Rehabilitation Center, USA
"Neural Circuit Function in spinal cord injury: Lessons from Rats and Men"

15.20-16.00 Serge Rossignol, University of Montreal, Canada
"Locomotor plasticity studied after various types of spinal lesions in animal models”

16.00-16.20 *Coffee break*

Session 6	Chair: Keith Tansey
16.20-17.00	Tania Lam, University of British Columbia, Vancouver, Canada "Robotics in gait rehabilitation: promises and challenges"
17.00-17.40	Monica Gorassini, University of Alberta, Edmonton, Canada "Long-term changes in corticospinal and spinal inhibitory pathways from endurance and skill locomotor training in persons with incomplete spinal cord injury."
17.40-18.20	Markus Wirz, University of Zürich, Switzerland "Mapping of locomotor training in incomplete SCI: is there a standard?"
18:20	Closing Remarks, Discussion
20.00	<i>Dinner (location to be determined)</i>