

13th International Symposium on Neural Regeneration Program

Wednesday – December 9, 2009

- 3:00 PM Arrival of participants and check-in
- 6:00 PM DINNER
- 7:30 PM Welcome and Keynote Address
Jeffrey Lichtman
Harvard University
Cambridge, MA, USA
“Connectomics”

Thursday – December 10, 2009

Session One: 8:15 AM Peripheral Nerve Regeneration

- 8:15 Chair: Rajiv Midha
University of Calgary
Calgary, Alberta, Canada
- 8:30 AM Rajiv Midha
University of Calgary
Calgary, Alberta, Canada
“Repair of Nerve Injuries Using Skin Derived Precursor Cells”
- 9:00 AM Christian Krarup
University of Copenhagen
Copenhagen, Denmark
"Changes in axonal properties during maturation after regeneration: A study using threshold tracking on nerve in vivo"
- 9:30 AM Tessa Gordon
University of Alberta
Edmonton, Alberta, Canada
“Strategies to enhance peripheral nerve regeneration”
- 10:00 AM Roger Madison
Duke University/VA Medical Center
Durham, NC
“Low-Voltage Nerve Electrophoresis In Vivo: Role in Peripheral Nerve Regeneration”
- 10:30 AM BREAK
- 11:00 AM Featured Speaker
Ravi Bellamkonda
Georgia Institute of Technology/Emory University
Atlanta, GA
“Role of Biomaterials in Facilitating PNS and CNS regeneration”
- 12:00 Noon LUNCH

1:00 PM Featured Speaker
Colin McCaig
University of Aberdeen
Aberdeen, Scotland, UK
“Regulating brain cell behaviours with physiological electrical signals”

2:00 PM Viewing: Poster Session 1

6:00 PM DINNER

Session Two: 7:15 – 9:00 PM (or beyond)
DEBATE – Proposition: Demyelination is a therapeutic target for SCI

7:15 PM Moderator: Keith Crutcher

Affirmative: Hans Keirstead
University of California, Irvine
Irvine, CA

Michael Fehlings
University of Toronto
Toronto, Ontario, Canada

Jeffrey Koscis
Yale University/VA Connecticut Healthcare System
West Haven, CT

Blair Calancie
SUNY Upstate Medical University
Syracuse, NY

Negative: James Guest
University of Miami
Miami, FL

Phillip Horner
University of Washington
Seattle, WA

Wolfram Tetzlaff
UBC/ICORD
Vancouver, British Columbia, Canada

Robin Franklin
University of Cambridge

Friday – December 11, 2009

Session Three: 8:15 AM
Retinal Regeneration

8:15 AM Chair: William Hauswirth
University of Florida
Gainesville, FL

- 8:30 AM Daniel Goldman
University of Michigan
Ann Arbor, MI
“Molecular mechanisms underlying Muller glia dedifferentiation and retina regeneration”
- 9:00 AM Thomas Reh
University of Washington
Seattle, WA
“Neural regeneration: the eyes have it”
- 9:30 AM Raymond Lund
Oregon Health Sciences University
Portland, OR
“Use of human forebrain-derived progenitor cells to stabilize photoreceptor degeneration and vision loss”
- 10:00 AM William Hauswirth
University of Florida
Gainesville, FL
“Leber congenital amaurosis gene therapy clinical trial: one year outcomes”
- 10:30 AM BREAK
- 11:00 AM Featured Speaker
Cheng-Ming Chuong
University of Southern California
Los Angeles, CA
“Regulation of Ectodermal Skin Stem Cells: Regeneration in physiological molting and after Wounding”
- 12:00 Noon LUNCH
- 1:00 PM Featured Speaker
Charles Howe
Mayo Clinic College of Medicine
Rochester, MN
“CD8 T cell-mediated injury of demyelinated axons in an animal model of multiple sclerosis”
- 2:00 PM Poster Session 1 Poster Removal
- 2:30 PM Poster Session 2 Set-Up
- 6:00 PM DINNER

Session Four: 7:15 – 9:00 PM

PANEL DISCUSSION - Updating the Community: Progress and Suggestions Regarding SCI-Replication Studies (NIH-NINDS, ForeSCI)

7:15 Chair: John Steeves
Moderators: John Steeves and Naomi Kleitman

8:15 PM Panel:
Oswald Steward
University of California – Irvine
Irvine, CA

Phillip Popovich
Ohio State University
Columbus, OH

Dalton Dietrich
University of Miami Miller School of Medicine
Miami, FL

Saturday – December 12, 2009

Session Five: 8:15 AM
Reorganization and Plasticity

- 8:15 AM Chair: Larry M. Jordan
The University of Manitoba
Winnipeg, Manitoba, Canada
- 8:30 AM Michael Sofroniew
University of California-Los Angeles
Los Angeles, CA
“Recovery of function via pathway reorganization after spinal cord injury”
- 9:00 AM Michael Beattie
University of California- San Francisco
San Francisco, CA
“A link between synaptic plasticity and excitotoxicity in spinal cord injury”
- 9:30 AM James W. Grau
Texas A&M University
College Station, TX
“Learning within the spinal cord”
- 10:00 AM Linda Sorkin
University of California – San Diego
San Diego, CA
“Peripheral inflammation induces acute changes in dorsal and ventral horn glutamate signaling”
- 10:30 AM Larry Jordan (15 minute summation)
The University of Manitoba
Winnipeg, Manitoba, Canada
- 10:45 AM BREAK
- 11:00 AM Featured Speaker
Peter Ellaway
Imperial College London
London, UK
“Motor-Evoked Potentials”
- 12:00 Noon LUNCH
- 1:00 PM Viewing: Poster Session 2

Session Six: 4:15 - 6:00 PM

Emerging Topics

- 4:15 PM Chair: Jane Lebkowski
Geron Corporation
Menlo Park, CA
- 4:30 PM abstract speaker 1
- 4:45 PM abstract speaker 2
- 5:00 PM Adam Ferguson
University of California, San Francisco
San Francisco, CA
"Bionformatics for Translational Spinal Cord Injury"
- 5:30 PM Theo Hagg
University of Louisville
Louisville, KY
"PTPs and vasculature as neuroprotective targets"
- 6:30 PM Symposium Banquet
- 7:30 PM Awards Presentation (Banquet Hall)