SINGLE-TOPIC ISSUE

Tenth International Symposium on Neural Regeneration

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Scientific Program

WEDNESDAY—DECEMBER 10, 2003

Afternoon
3:00–6:00 P.M. ARRIVAL OF PARTICIPANTS AND CHECK-IN
6:00 Dinner
7:30 Welcome and Keynote Address
   KEYNOTE SPEAKER
   Mary Bunge
   University of Miami—Miami, Florida, USA
   Neuroprotection and regeneration strategies to promote repair of the injured spinal cord

THURSDAY—DECEMBER 11, 2003

Morning Session

Optic Nerve Regeneration
CHAIRMAN: KWOK-FAI SO
University of Hong Kong

8:15 A.M. CHAIRMAN’S INTRODUCTION

8:30 Ben Barres
   Stanford University—Stanford, California, USA
   Amacrine-signal growth loss of intrinsic axon growth ability by retinal ganglion cells

9:00 Solon Thanos
   Universitat Münster—Münster, GERMANY
   Evidence for functional regeneration of the visual pathway in adult rats
9:30 A.M. **Martin Berry**  
Centre for Neuroscience, Neural Damage and Repair—Kings College, London, UK  
*Acute and delayed optic nerve regeneration in the adult rat: sleeping fibres awakened, putative CNS inhibitory signals ignored, de novo scar formation inhibited and established scars dispersed*

10:00 Break

10:30 **Sarah Dunlop**  
University of Western Australia—Crawley, WESTERN AUSTRALIA  
*Molecular and behavioral correlates of optic nerve regeneration*

11:00 **Peter Hitchcock**  
University of Michigan—Ann Arbor, Michigan, USA  
*Persistent and injury-induced neuronal regeneration in the vertebrate retina*

11:30 **Joseph Rizzo**  
Massachusetts Institute of Technology—Cambridge, Massachusetts, USA  
Veterans Affairs Medical Center—Boston, Massachusetts, USA  
*Development of a retinal prosthesis to restore vision to blind patients*

Noon Lunch

1:00 P.M. **Poster Session 1**

5:00 **FEATURED SPEAKER**  
**Hunter Peckham**  
Case Western Reserve University—Cleveland, Ohio, USA  
Veterans Affairs Medical Center—Cleveland, Ohio, USA  
*Neuroprostheses for functional restoration: Current status and future directions*

6:00 Dinner

*Evening Session*

**Biological and Translational Potential of Olfactory Ensheathing Glial Cells**  
**CHAIRMAN: ALMUDENA RAMON-CUETO**  
Institute of Biomedicine, Spanish Council for Scientific Research—Valencia, SPAIN

7:15 P.M. **CHAIRMAN’S INTRODUCTION**

7:30 **Jeffery Kocsis**  
Yale University—New Haven, Connecticut, USA  
Veterans Affairs Medical Center—West Haven, Connecticut, USA  
*Bone marrow stromal cells (MSCs) as a potential source for neural repair*

8:00 **Susan Barnett**  
University of Glasgow—Glasgow, SCOTLAND  
*The pros and cons of olfactory ensheathing cells (OECs) in CNS repair*

8:30 **Jane Roskams**  
University of British Columbia—Vancouver, British Columbia, CANADA  
*Lamina propria-derived olfactory ensheathing cells in spinal cord regeneration*
9:00 P.M.  

**Martin Oudega**  
University of Miami—Miami, Florida, USA  
*Schwann cells and olfactory ensheathing glia for repair of the injured spinal cord*

**FRIDAY—DECEMBER 12, 2003**

*Morning Session*

**Visceral Function and Pain in SCI**  
**CHAIRMAN: ALEXANDER RABCHEVSKY**  
University of Kentucky—Lexington, Kentucky, USA  

8:15 A.M.  
**CHAIRMAN’S INTRODUCTION**

8:30  
**Lynne Weaver**  
John P. Robarts Research Institute—London, Ontario, CANADA  
*An early anti-inflammatory strategy markedly reduces autonomic dysreflexia and chronic pain after clip-compression spinal cord injury in rats*

9:00  
**Matt Ramer**  
University of British Columbia—Vancouver, British Columbia, CANADA  
*Intraspinal sprouting and neuropathic pain following dorsal rhizotomy*

9:30  
**George Smith**  
University of Kentucky—Lexington, Kentucky, USA  
*Growth and guidance factors modulating nociceptive afferent sprouting within the adult spinal cord*

10:00  
**Vivian Mushahwar**  
University of Alberta—Edmonton, Alberta, CANADA  
*Novel electrical stimulation techniques for restoring limb function*

11:00  
**FEATURED SPEAKER**  
**Michael Fehlings**  
University of Toronto—Toronto, Ontario, CANADA  
*Neuroprotection of the injured spinal cord: From bench to clinical application*

Noon  
Lunch

5:00 P.M.  
**FEATURED SPEAKER**  
**Ellen Heber-Katz**  
The Wistar Institute—Philadelphia, Pennsylvania, USA  
*A model of mammalian regeneration—The MRL mouse*

6:00  
Dinner

*Evening Session*

**Regeneration in Complex Systems**  
**CHAIRMAN: SUSAN BRYANT**  
University of California—Irvine, California, USA
SATURDAY—DECEMBER 13, 2003

Morning Session

Molecular Correlates of Nerve Regeneration

CHAIRMAN: MARIE FILBIN
Hunter College—New York, New York, USA

8:15 A.M.  CHAIRMAN’S INTRODUCTION

8:30  Melitta Schachner
University of Hamburg—Hamburg, GERMANY
The neural recognition molecule L1 and functional recovery in mammals

9:00  Wolfram Tetzlaff
University of British Columbia—Vancouver, British Columbia, CANADA
Cell body treatment strategies to promote axonal regeneration after acute and chronic spinal cord injury

9:30  Mark Tuszynski
University of California—San Diego, California, USA
Balancing inhibitory signals with growth signals in the injured spinal cord

10:00  Break

10:30  FEATURED SPEAKER
Stephen Strittmatter
Yale University—New Haven, Connecticut, USA
The role of Nogo and Nogo receptor in axonal regeneration

Noon  Lunch

1:00 P.M.  Poster Session 2
Afternoon Session

Emerging Topics in Regeneration
CHAIRMAN: JOHN STEEVES
University of British Columbia—Vancouver, British Columbia, CANADA

4:15 P.M.  CHAIRMAN’S INTRODUCTION
4:30  Two Chosen Poster Presentations
5:00  Malcolm Maden
King’s College London—London, England, UK
The induction of neurite regeneration in adult spinal cord using equine infectious anaemia based lentiviral vectors
5:30  Uri Sagman
C Sixty, Inc.—Toronto, Ontario, CANADA
Fullerene nanoparticles as neuroprotectant agents
6:00  Presentation of the Fredrick Seil ISNR Trainee Awards
6:30  Symposium Banquet

SUNDAY—DECEMBER 14, 2003

DEPARTURE OF PARTICIPANTS