SUNDAY - June 17, 2007
Morning

Principles of Neurorecovery - Chair: Dr. Richard Staines, University of Waterloo

Dr. Randolph J. Nudo, University of Kansas, United States
*Brain mechanisms of recovery after stroke: the coming age of brain repair*

Dr. John Steeves, University of British Columbia, Canada
*Translating experimental treatments for functional recovery after spinal cord injury*

Advances in Neuroimaging - Chair: Dr. Sandra Black, Sunnybrook Health Sciences Centre

Dr. Steven C. Cramer, University of California, Irvine, United States
*Functional imaging and recovery*

Dr. Simon J. Graham, Rotman Research Institute of Baycrest, Canada
*Expanding fMRI technology applied to stroke*

Dr. Sandra Black, Sunnybrook Health Sciences Centre, Canada
*Alzheimer’s and white matter disease: Challenges to stroke recovery in the elderly*

Dr. Glenn T. Stebbins, Rush University, United States
*Diffusion tensor imaging and stroke recovery*

Afternoon

Advances in Cellular and Molecular Therapies - Chair: Dr. Antoine Hakim, University of Ottawa

Dr. Michael G. Fehlings, Toronto Western Hospital, Canada
*An update on new developments in the management of acute spinal cord injury*

Dr. Cindi Morshead, University of Toronto, Canada
*Adult neural stem cells and their role in stroke recovery*

Dr. David Gladstone, Sunnybrook Health Sciences Centre, Canada
*Investigating dextroamphetamine coupled with physical therapy for stroke rehabilitation*

Dr. Charlie Thompson, University of Ottawa, Canada
*Preconditioning: a paradigm for developing acute stroke treatment*
MONDAY - June 18, 2007
Morning

Advances in Physical Therapies - Chair: Prof. Molly Verrier, University of Toronto

Dr. Gert Kwakkel, VU University Medical Center, The Netherlands
Understanding the pattern of functional recovery after stroke

Dr. Tania Lam, University of British Columbia, Canada
Rehabilitation approaches to improve functional ambulation outcomes in people with spinal cord injury

Dr. Dina Brooks, University of Toronto, Canada
Benefits of fitness training for recovery following stroke

Dr. Carol Richards, Laval University, Canada
Training in virtual reality improves locomotor self-efficacy after stroke: a single subject design study

Dr. Robin Green, Toronto Rehab, Canada
Examining the relationship between cognitive and motor recovery after brain injury

Afternoon

Advances in Cognitive Therapies - Chair: Dr. Don Stuss, Rotman Research Institute

Dr. Marizio Corbetta, Washington University School of Medicine, United States
A cognitive neuroscience approach toward understanding failures of attention after brain injury

Dr. Brian Levine, Rotman Research Institute of Baycrest, Canada
Rehabilitation of frontal lobe and executive functioning

Dr. Deirdre R. Dawson, University of Toronto, Canada
A meta-cognitive contextual intervention to improve community participation

Dr. Anthony Feinstein, Sunnybrook Health Sciences Centre, Canada
Disorders of mood, affect and motivation in rehabilitation
**TUESDAY - June 19, 2007**

**Morning**

**Technology-Assisted Therapies** - Chair: Dr. Tom Chau, University of Toronto

Dr. Stephen H. Scott, Queen’s University, Canada
*Robots: Next generation technology for clinical assessment of sensory, motor and cognitive function*

Dr. David A. Brown, Northwestern University, United States
*New robotic overground gait and balance training system*

Dr. Stefan Bircher, Hocoma AG, Switzerland
*Development of robotic devices for rehabilitation medicine*

**Bioelectric Stimulation Therapies** - Chair: Dr. Milos Popovic, Toronto Rehab

Dr. Arthur Prochazka, University of Alberta, Canada
*FES-assisted exercise with telerehabilitation in subjects with stroke and spinal cord injury*

Dr. Jeffrey A. Brown, Wayne State University School of Medicine, United States
*Enhancement of recovery from stroke by cortical stimulation of the brain*

Dr. Christy Ludlow, Medical Neurology Branch, NINDS, United States
*Application of neuromuscular stimulation to swallowing disorders*

Dr. Milos Popovic, Toronto Rehab, Canada
*Retraining reaching and grasping in hemiplegic patients: Functional electrical stimulation therapy*

**Afternoon**

**Knowledge Translation** – Chair: Dr. Mark Bayley, Toronto Rehab

Dr. Pamela W. Duncan, Duke Center for Clinical Health Policy Research, United States
*Barriers to implementation of evidence in rehabilitation*

Dr. Mark Bayley, Toronto Rehab, Canada
*Putting stroke rehabilitation evidence into action: the SCORE project*

Dr. Sharon Wood-Dauphinee, McGill University, Canada
*Implementation of evidence in the stroke care system*

Dr. Judith Hunter, University of Toronto, Canada
*The interfaculty pain curriculum: Preparing healthcare students for collaborative pain management*