



# UNIVERSITY OF TORONTO NEUROSCIENCE PROGRAM NEUROSCIENCE NEWSLETTER

University of Toronto Neuroscience Program Newsletter  
January 2012 | Volume 28 | Number 5

## UPCOMING DISTINGUISHED LECTURESHIP SERIES 2011-2012

**THURSDAY, MARCH 1<sup>ST</sup>, 2012**



**Speaker** | Dr. Bradley Peterson, Director of Child & Adolescent Psychiatry, Columbia University Medical Centre  
**Research** | Serious childhood-onset neuropsychiatric disorders  
**Time** | 4:30PM - 5:30PM  
**Hosts** | Prof. Paul Sandor, Dept of Psychiatry, UofT | Elia Abi Jaoude, MSc., MD., PhD Candidate (CPIN)  
**Location** | Bahen Building, Rm. 1160, University of Toronto

**THURSDAY, MARCH 29<sup>TH</sup>, 2012**



**Speaker** | **Donald W. Pfaff, PhD**, Prof, Lab. of Neurobiology and Behavior, The Rockefeller University, New York; Member, Nat'l Academy of Sciences; and, Fellow, American Academy of Arts and Sciences  
**Time** | 4:00PM - 5:00PM  
**Host** | Denise Belsham, Canada Research Chair in Neuroendocrinology  
**Event Co-Sponsor** | Sleep & Biological Rhythms Toronto  
**Location** | MS Building 2172, University of Toronto

**TUESDAY, APRIL 24<sup>TH</sup>, 2012**



**Speaker** | Dr. Keith Cicerone, Dir. Neuropsychology, JFK Johnson Rehabilitation Institute & New Jersey Neuroscience Institute, JFK Medical Center, New Jersey  
**Topic** | **Process and outcome of holistic neuropsychological rehabilitation**  
**Host** | Dr. Deirdre Dawson  
**Location** | MS 3154, Medical Sciences Bldg University of Toronto (TBC)

**MONDAY, MAY 7<sup>TH</sup>, 2012 - *Raymond & Beverly Sackler Distinguished Visiting Neuroscientist Lecture***



**Speaker** | Dr. Eric Jorgensen, University of Utah  
**Time** | 4:00PM - 5:00PM  
**Research interests** | **Synaptic plasticity and memory**  
**Host** | Mei Zhen, Samuel Lunenfeld Research Institute  
**Location** | MS Building 2158, University of Toronto

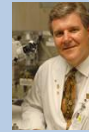
**THURSDAY, MAY 17, 2012**



**Speaker** | **Christopher Summerfield, PhD**, University of Oxford, Lecturer, Dep't of Experimental Psychology, Psychology Tutor at Wadham College Medical Centre  
**Date** | Thursday, May 17, 2012  
**Time** | 4:00PM - 5:00PM  
**Topic** | Neural and computational mechanisms of decision-making in human observers  
**Hosts** | Prof. Eve deRosa, UofT | Taylor Schmitz, MA, PhD Candidate CPIN  
**Location** | TANZ Building, Rm. 6, University of Toronto

**CPIN Students must attend 75% of the Lectureship Series each year according to their program (Masters or PhD) requirement.**

## UTNP Administration



**Michael G. Fehlings**  
Director, UTNP



**David R. Hampson**  
Director, CPIN



**Alexander A. Velumian**  
Planning & Operations



**Tallie Rabin-Claassen**  
Interim Program Coordinator

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## A SPECIAL TRIBUTE TO JONATHAN DOSTROVSKY: IN HIS RETIREMENT

Professor Jonathan Dostrovsky, one of the leading neuroscientists at the University of Toronto, will soon retire after an illustrious and distinguished academic career which has spanned over 40 years. He has been the model academic - conducting world class research, leading administrative, educational and scientific programs at the international, national and local level, engaging the public and acting as a superb mentor to trainees.



Jonathan's undergraduate training in physics from the Israel Institute of Technology provided a foundation for a career in neuroscience. His graduate and post-doctoral training was exemplary - including discovering hippocampal place cells with John O'Keefe at University College London, and fundamental mechanisms of nociception and plasticity with Bruce Pomeranz at the University of Toronto and then with the renowned Patrick Wall at University College London. By 1977, Jonathan had established his own research laboratory in the Department of Physiology at the University of Toronto and soon after became a mentor to many students and post-doctoral fellows.

Jonathan has had an extraordinarily productive and significant career. He has published over 200 papers that focused on examining the properties of neurons involved in pain, motor, and cognitive functions. Many of these papers are highly cited with enormous impact as shown by his H-index which exceeds 60. Jonathan's career is unique for its depth and breadth as he is an internationally renowned authority in two fields - pain and movement disorders. A particularly innovative aspect of Jonathan's career has been his development of human intra-operative electrophysiological recordings that he spearheaded in the 1980s with Dr. Ronald Tasker (and later with Dr. Andres Lozano) that has culminated in numerous discoveries about pain, plasticity, and motor function, and helped launch new neurosurgical approaches through deep brain stimulation.

In 2005, Jonathan received the Canadian Pain Society's Distinguished Career Award, acknowledging his contributions to the field of pain. Jonathan has been a leader of many scientific initiatives, including serving as president of the Canadian Association for Neuroscience in 2006-2007, program chair for World Congress of the International Association for the Study of Pain, and leadership positions with the Neuropathic Pain Special Interest Group of the IASP. Jonathan has also led numerous educational local programs such as the Brain Bee, and has mentored countless graduate students and post-docs, many who are now established academics themselves. Here at the University of Toronto, Jonathan was instrumental in establishing the Collaborative Program in Neuroscience (CPIN) and served as its Director for 15 years (1993-2008) until the establishment of the University of Toronto Neuroscience Program (UTNP) in 2008. In recent years, Professor Dostrovsky has been one of the most active members of the UTNP Advisory Council, sharing his expertise and knowledge that helped shape the UTNP, which incorporated the CPIN as one of its key programs.

We wish to express deepest admiration and gratitude to Professor Dostrovsky for his world class contributions to neuroscience and outstanding leadership of CPIN, and hope that, despite his retirement, he will continue his active role as a member of the UTNP Advisory Council, sharing his knowledge and expertise with us.

Karen Davis, Professor, Department of Surgery  
Michael Fehlings, Professor of Neurosurgery; Director, University of Toronto Neuroscience Program



### UTNP Sfn RECEPTION

## A Great Success & Many Thanks

The UTNP reception at the Society for Neuroscience meeting was a success and we have several to thank: Howard Mount, for being acting-Host on behalf of the UTNP Administration; Bill Hutchison, for saying thoughtful words about Jonathan



Dostrovsky, past-CPIN Director, as he retires from UofT; Sarah Figley and Kajana Satkunendrarajah, Post-Doctoral Fellows in Dr. Fehling's Lab for volunteering with administration at the reception; and Alexander Velumian for his thinking and planning in advance of the event and

keeping everything organized the whole night through! We'd also like to thank the Renaissance Hotel, particularly Nathan Baca, for working with us to plan and execute the event; the UTNP administrative staff Michael Fehlings, UTNP Director, David Hampson, CPIN Director, Alexander Velumian, Operations Director and Tallie Rabin-Claassen, Interim Program Coordinator. Thanks to everyone who came as a guest, without you there really is no event!

And, finally, congratulations to all the UTNP Travel Award-winning CPIN Graduate Students: Geoffrey Dason, Elizabeth Glenn Guy, Kaja Jasinska, Wojciech Kostecki, Aaron Kucyi, Alonso Martinez-Canabal, Rachel Newsome, Jessica Pressey, Yi Quan, and Melanie Sekeres.



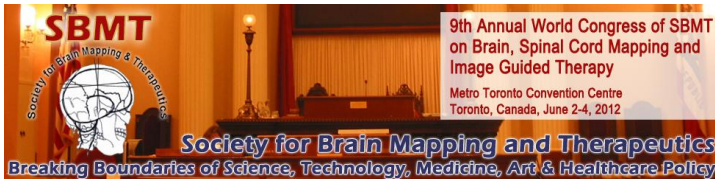
This year we inaugurated a new award, The Jonathan Dostrovsky UTNP Travel Award. Congratulations to the first recipient of that award, Alonso Martinez-Canabal.



And....the food and drink were wonderful, too!



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## Society for Brain Mapping & Therapeutics 9th Annual World Congress, June 2-4th, 2012

As local organizing chairman and host, I am pleased to inform the UTNP community of the 9th Annual World Congress of the Society for Brain Mapping & Therapeutics (SBMT, formerly known as IBMISPS) on Brain, Spinal Cord Mapping and Image Guided Therapy, taking place in our very own City of Toronto. Indeed, it seems particularly apt to have this meeting in Canada and, in particular in Toronto, where there is a long association with excellence in neuroscience with worldwide impact.

Canada's role in biomedical research is clear from the statistics: Canada ranks fifth among the top 20 most productive countries for biomedical publication output and is fourth in average relative citations (ARC) in the area of neurosciences. The Canadian neuroscience community is one of the largest national neuroscience communities outside the U.S.

The Canadian Institutes of Health Research-Institute of Neuroscience, Mental Health and Addiction (CIHR-INMHA) reflects the strength and breadth of Canada's neuroscience research community, which captures over 28% of funding in the Open Grants Competition.

The annual meetings of the Canadian Association of Neuroscience/Association Canadienne des Neurosciences (CAN/ACN) typically attracts over 1200 attendees, mostly represented by the basic neuroscience community.

Clinical neuroscience in Canada is represented by the Canadian Neurological Sciences Federation (CNSF), which is an umbrella organization representing four National Specialty Societies: the Canadian Neurological Society (CNS), the Canadian Neurosurgical Society (CNSS), Canadian Society of Clinical Neurophysiologists (CSCN) and the Canadian Association of Child Neurology (CACN). The next, 47th annual Congress of the CNSF will be held in Ottawa on June 6-8, 2012. The CNSF has a large number of affiliated, more specialized societies focused on specific fields such as Stroke, Brain Tumour, Headache, Epilepsy, Movement Disorders, Neuromuscular Disorders, ALS, Multiple Sclerosis, Neurocritical Care and Cognitive Research.

Canada is the official birth country of IBRO, the International Brain Research Organization, run under UNESCO, which was

incorporated by the Act of the Canadian Parliament and Senate on the 16th of February, 1961 due to the efforts and vision of great Canadian neuroscientists Herbert Henri Jasper, Wilder Graves Penfield and Frank Campbell MacIntosh.

Here in Toronto, the University of Toronto Neuroscience Program (UTNP) has been progressively fulfilling that commitment. The University has over 300 faculty members engaged in neuroscience activities. The Collaborative Program in Neuroscience (CPIN) is the largest collaborative program on University of Toronto, with over 200 students. CPIN features a collaborative partnership with 16 Departments across campus from which students can apply for the CPIN certificate program: Biochemistry, Biomaterials and Biomedical Engineering, Cell and Systems Biology, Computer Sciences, Dentistry, Human Development & Applied Psychology, Lab Medicine & Pathobiology, Medical Biophysics, Medical Sciences, Molecular Genetics, Pharmaceutical Sciences, Pharmacology & Toxicology, Physiology, Psychology, Rehabilitation Sciences, and Speech-Language Pathology.

Many of Toronto's neuroscience research centers and teaching hospitals are steps away from each other and from the University of Toronto, located in the downtown core within walking distance from the Metro Toronto Convention Centre. We know that this congress will benefit from this central location in maximizing local attendance and the impact of the meeting.

We are excited to host the 9th Annual World Congress of the Society for Brain Mapping & Therapeutics in Toronto. The meeting will benefit from its location in downtown Toronto, not just from the point of view of neuroscience, but because attendees will be able to take advantage of much of what downtown Toronto has to offer. It is a city teeming with life, culture, science and entertainment and we trust you will enjoy your stay here while attending the meeting.

Sincerely,

**Michael G. Fehlings, MD, PhD, FRCSC, FACS**

**Chair of Program Committee and Chair of Local Organizing Committee**

**Director of the University of Toronto Neuroscience Program  
Medical Director of the Krembil Neuroscience Centre**

(Re-modified from the *Society for Brain Mapping and Therapeutics* December Newsletter)

**For more information, to submit your abstract or to register for this meeting, please visit:**

<http://visitor.benchmarkemail.com/c/v?e=11DBB4&c=2257A&t=1&email=VMA8J8XxVLCc3NI6XcZKItSWMRNM8wW6zfja4OsT%2Fop81xGh07RnDQ%3D%3D&relid>



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## CPIN NEWS:

### *Officially Welcoming Dep't of Computer Sciences to the Collaborative-fold*

Effective January 2012, we would like to welcome the **Computer Science Program** into the Collaborative Program in Neuroscience.

Students in the CS program for MSc or PhD are invited to apply to the Neuroscience Program by submitting their [application](#) to [p.neuroscience@utoronto.ca](mailto:p.neuroscience@utoronto.ca)

## CPIN FACULTY: PLEASE RESPOND

Will CPIN faculty Members please update the administration with the names of your current Post-Doctoral Fellows. Have your PDFs complete a membership form on the UTNP website:  
<http://neuroscience.utoronto.ca/students/pdf/pdf-memberform.htm>

Thank you!

## In other research news:

### **PLoS ONE: the mechanism of the evolutionary descent of prion genes from ZIP metal transporters**

Recent research article by Patience Institute initiative ([patienceinstitute.org](http://patienceinstitute.org)) at the Tanz Centre for Research in Neurodegenerative Diseases, Department of Laboratory Medicine & Pathobiology, University of Toronto

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0026800>

## IN MEMORIUM

The UTNP offers condolences to the family and friends of Dr. Ab Guha who passed away on Tuesday, November 8, 2011. Dr. Guha was a long-time member of the TWH surgical community where his contributions as a surgeon-scientist in neurosurgery have had a tremendous impact. "Ab Guha was a valued colleague, an accomplished scientist, a skilled physician and surgeon and a remarkable humanitarian," said Dr. Michael Fehlings, Director, UTNP & Medical Director, Krembil Neuroscience Centre. "He will be greatly missed by his colleagues throughout the world and by the many patients whom he was able to help."



Dr. Guha was born in India, and maintained ties to the country and the Canadian Indian community throughout his life. In 2005, he was named

the Humanitarian of the Year by the Indo-Canadian Chamber of Commerce for his work in establishing a private not-for-profit Neuroscience Clinical and Teaching Center in Kolkata. Among his additional accolades and accomplishments was the Royal College Gold Medal in Surgery in 1998; he was named a Top 40 Alumni by the University of Toronto, and received the Lister Prize in Surgery in 2009 from UofT. Dr. Guha was also the Alan & Susan Hudson Chair in Neurooncology, UHN, Univ. of Toronto, and a Full Professor in Neurosurgery at UofT. Fellow Neurosurgeon Dr. Mark Bernstein plans to introduce the inaugural Ab Guha Lecture in May 2012, at the yearly Bethune Round Table – a meeting to raise funds for about 50 surgeons from resource-poor countries to travel to Canada to present their papers and have a 3-day conversation to try to improve the lot of surgical patients in poor countries. The Ab Guha Lecture will be supported by Dr. Bernstein's international education funds in perpetuity.

## NEUROSCIENCE-RELATED SEMINARS & EVENTS

Date | Thursday, January 5<sup>th</sup>, 2012

Time | 8:00 - 9:00 AM

Speaker | **Dr. Gregg Day, Neurosurgery**

Location | Main Auditorium, 2 West Wing, Room 401, Toronto Western Hospital

Host | Dr. Michael Fehlings, Medical Director of the Krembil Neuroscience Centre

### **Rotman Research Rounds**

Date | Monday, January 9

Speaker | Dr. Andrew Coward, Australian National University

Topic | **The hippocampal system as the cortical resource manager: a model connecting psychology, anatomy and physiology**

Time | 3:30PM - 4:30PM

Location | Classrooms ABC, Baycrest Hospital

Description | Attendees will be able to: 1) understand the different information processes performed by different anatomical structures; 2) understand how the performance of cognitive tasks utilizes combinations of information processes performed by different anatomical structures; 3) understand how the hippocampus selects the cortical receptive fields that will be changed in response to each sensory experience, and how the information collected as a result of this selection process is also used for episodic (but not semantic) memory retrieval.

Date | Friday, January 13, 2012

Time | 1:30 - 2:30PM

Speaker | Dr. Jonathan Schertzer, Department of Biochemistry & Biomedical Sciences, McMaster University

Topic | **Give a NOD to Diabetes: NODs Link Immunity and Metabolism**

Location | Room 1527, Hill Wing, Hospital for Sick Children

Hosts | Program in Cell Biology



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## Rotman Research Rounds

Date | Monday, January 16

Speaker | Dr. Michael Beauchamp, University of Texas Medical School at Houston

Topic | **Multisensory Integration and Visual Perception in the Human Brain**

Time | 3:30PM - 4:30PM

Location | Classrooms ABC, Baycrest Hospital

Description | Attendees will be able to: 1) identify how complementary methods, such as TMS and fMRI, can be used to identify brain areas necessary for multisensory integration; 2) understand how statistically optimal multisensory integration can be achieved through dynamic changes in functional connectivity.

Date | Friday, January 20, 2012

Time | 1:30 - 2:30PM

Speaker | Dr. Ulrich Tepass, Department of Cell and Systems Biology, University of Toronto

Topic | **Function of Apical Polarity Proteins in Drosophila Epithelial Cells**

Location | Room 1527, Hill Wing, Hospital for Sick Children

Hosts | Program in Cell Biology

Date | January 27<sup>th</sup>, 2012

Topic | **10th Stroke Rehab Symposium - Getting the Message: Improving Communication in Stroke Care**

Location | Hyatt Regency Toronto, 370 King Street West, Toronto

Description | This year, the theme of the conference is "communication". Effective communication is an integral part of exceptional stroke care. It is vital that we examine our communication patterns with our day-to-day interactions with persons with stroke and their families, with the public at large, within our teams, and across transition points of care, with our students and in our dissemination of research. This very special event will include plenary sessions, including Dr. Brian Goldman who will discuss how to communicate when communication is difficult, a panel discussion, poster and rapid podium presentations, concurrent workshops and exhibits.

Website for registration |

<http://www.torontorehab.com/events/strokesymposium>

## Mild Traumatic Brain Injury Conference: Challenges and Controversies in Diagnosis

Date | February 10, 2012

Location | Hyatt Regency Toronto, 370 King Street West, Toronto

Description | Participate in interactive discussions, workshops, and plenary sessions in this one-day evidence-based forum that will familiarize you with a wide range of controversies and challenges associated with the diagnosis of mild traumatic brain injury, including emotional, cognitive and behavioural problems after mTBI and neuroimaging. Workshops will focus on conditions such as vestibular

dizziness, sleep disorders, neuropsychological testing and adjudication of a mild traumatic brain injury claim. Finally, an interactive round table will complete the program, in which Mild Traumatic Brain Injury will be put on trial.

### FOR MORE INFORMATION CONTACT:

Phone: 416-597-3422 ext. 3693

Email: [conferences@torontorehab.on.ca](mailto:conferences@torontorehab.on.ca)

Web: [www.torontorehab.com/events/mTBIsymposium](http://www.torontorehab.com/events/mTBIsymposium)

The Annual Cognitive Neuroscience Conference Co-hosted by Rotman Research Institute and Kunin Lunenfeld Applied & Evaluative Unit

Date | Friday, March 2<sup>nd</sup>, 2012

Topic | **2012 Alzheimer Symposium: A Palliative Approaching to Dementia care**

Location | Hyatt Regency Toronto, 370 King Street West, Toronto

Description | Participate in this one-day forum that will explore a palliative care approach to dementia in order to optimize the quality of life throughout the journey of those living with Alzheimer's Disease. The workshops sessions, which will be repeated twice during the day, will include topics such as relational care at the end of life, engaging patients in day to day life, communicating with families and management of dysphagia for patients with advanced dementia. If you prefer to experience first-hand how the various senses are impacted by aging and dementia, you will be able to participate in our aging simulation. Spaces will be limited for this session, so be sure to register early!

Website for registration |

[www.torontorehab.com/events/AlzheimerSymposium](http://www.torontorehab.com/events/AlzheimerSymposium)

Date | March 8<sup>th</sup> & 9<sup>th</sup>

Time | 9AM - 5PM

Topic | **Coordinated activity in physiology: measures, concepts and controversies**

Location | Fields Institute for Research in Mathematical Sciences, 222 College Street, Toronto, ON

Hosts | José Luis Perez Velazquez, The Hospital for Sick Children and University of Toronto & Roberto Fernández Galán, Case Western Reserve University, Dept. of Neurosciences, School of Medicine, Cleveland

Website for registration |

<http://www.fields.utoronto.ca/programs/scientific/CMM/11-12/physiology/>

Date | March 26-28, 2012

Location | The Four Seasons Hotel Toronto, Canada

Description | Scientific presentations will review state of the art understanding of the brain regions and neural networks critical for memory and the sustenance of independent function from mid-life to old age. Clinically-oriented presentations will update the audience on evaluation and treatment of mild cognitive impairment.



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Keynote speakers include Dr. Marilyn Albert, Johns Hopkins University School of Medicine and Dr. David Knopman, Mayo Clinic, Minnesota.  
\*Special conference rates are available for accommodations at the Four Seasons Hotel in Toronto.

**FOR MORE INFORMATION CONTACT:**

<http://baycrestresearchconference.createsend4.com/t/ViewEmail/r/3F90D084CF021B26/475620A3CAC125B21A01488700E2614F>

**MS Rehabilitation Symposium**

**Date** | April 16, 2012

**Location** | Hyatt Regency Toronto, 370 King Street West, Toronto

**Description** | Toronto Rehab is proud to launch its 2012 Multiple Sclerosis Rehabilitation Symposium. It will showcase an approach to health promotion which will facilitate well-being, highest possible level of function and optimal quality of life for persons with MS.

This is a MUST ATTEND event for service providers and healthcare professionals, including physicians, PTs, OTs, SLPs, nurses, program managers, social workers and other service workers from hospital and community-based settings. All are invited to network, collaborate and share your experiences!

**FOR MORE INFORMATION CONTACT:**

Phone: 416-597-3422 ext. 3693

Email: [conferences@torontorehab.on.ca](mailto:conferences@torontorehab.on.ca)

Web: <http://www.torontorehab.com/Events>

**Southern Ontario Neuroscience Association (SONA) Meeting**

**Date** | May 7, 2012

**Location** | University of Toronto, Ontario, Canada

**Please check back with the UTNP Website for Registration information soon!**

**2012 National Health Law Conference: Global Health Challenges & the Role of Law**

**Date** | May 4 & 5, 2012

**Location** | Toronto, Canada

Registration will be available in December 2011. Download the [Save the Date poster](#) (PDF)

**Description** | This biennial conference will feature a keynote panel debate: "Can Law Meet Global Health Challenges? Perspectives from Medicine and Politics" with **Abdallah S. Daar**, Senior Scientist, the McLaughlin-Rotman Centre for Global Health, University of Toronto; **Theodore Marmor**, Health Care Expert, Yale University; **Michael Ignatieff**, Senior Resident, Massey College, University of Toronto; and **James Orbinski**, Humanitarian Advocate and Past President of Doctors Without Borders. It will also feature the Cadario Keynote Public Lecture: "The Global Politics of Health Care" by **James Morone** from Brown University, USA.

Panellists will present research papers and lead discussions on:

- *The role of law in addressing the global challenges of chronic diseases and obesity*
- *Global health issues in vulnerable populations, including: gender inequalities, mental health, and aboriginal health issues*

- *Human rights and reproductive/maternal health, and the role human rights litigation can play in improving global welfare*
- *Global issues in new reproductive health technologies and medical tourism*
- *The impact of free trade on access to pharmaceuticals in a global context*

**FOR MORE INFORMATION CONTACT:** [www.healthlawtraining.ca](http://www.healthlawtraining.ca) or contact [info@healthlawtraining.ca](mailto:info@healthlawtraining.ca) /416.978.3724

**5th National Spinal Cord Injury Conference - Translating Neural Engineering and Novel Therapies**

**Date** | October 18-20, 2012

**Location** | Toronto, 145 Richmond Street West, Toronto (Oct 18<sup>th</sup> preconference at Toronto Rehab's Lyndhurst Centre)

**Description** | The 5th National SCI Conference organizing committee is putting together an exciting program featuring keynote addresses, podium and poster presentations, workshops and breakout sessions. Additional highlights include a hands-on pre-course, consumer participation and a delegate reception. Please join us once again at the pre-eminent gathering of clinicians, research scientists and consumers in Canada and North America who are focused on understanding and achieving recovery among the spinal cord injury population.

**CALL FOR ABSTRACTS DEADLINE: March 4th, 2012 (by midnight)**

**FOR MORE INFORMATION CONTACT:**

Phone: 416-597-3422 ext. 3693

Email: [conferences@torontorehab.on.ca](mailto:conferences@torontorehab.on.ca)

Web: [www.sciconference.ca](http://www.sciconference.ca)

**POSITIONS AVAILABLE**

**CANADA**



**Research Scientist in Stroke Rehabilitation**

The Heart and Stroke Foundation Centre for Stroke Recovery (CSR) is made up of

some of Canada's foremost healthcare centres: Sunnybrook Health Sciences Centre, Baycrest (including the Rotman Research Institute and the Kunin-Lunenfeld Applied Research Unit), the University of Ottawa (uOttawa) and the Ottawa Hospital Research Institute (OHRI). The CSR was formed to allow experts in stroke, working in different locations, to share knowledge and collaborate on research initiatives. Leading the CSR is Scientific Director and CEO Dr. Dale Corbett. The CSR's goal is to become the world's preeminent research centre focused exclusively on exponential advances in stroke recovery.

At the Sunnybrook Health Sciences Centre site of the Heart and Stroke Foundation Centre for Stroke Recovery (CSR), led by Site Director Dr. Sandra Black and Associate Site Director Dr. William McIlroy, we are currently seeking a Research Scientist position in Stroke Rehabilitation,

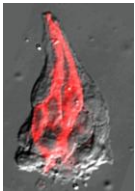


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with specific interest in neuroimaging analysis - techniques for structural or functional MRI and in developing and evaluating neurorehabilitation interventions. The successful candidate will engage in a research program focused on basic and/or applied research to advance the development and evaluation of imaging, cognitive and/or physical rehabilitation techniques applied to overt stroke and covert cerebrovascular disease. The successful applicant will provide a linkage between applied and basic research by developing collaborations with Clinical Scientists and Neuroscientists at Sunnybrook Health Sciences Centre, and with CSR scientists at Baycrest and the University of Ottawa/Ottawa Health Research Institute.

More information about the Heart and Stroke Foundation Centre for Stroke Recovery can be found at [www.heartandstroke-centrestrokerecovery.ca](http://www.heartandstroke-centrestrokerecovery.ca)

#### INTERNATIONAL POSITIONS



**NEW: Postdoctoral training position available for research in the cellular and molecular biology of sensory receptor cells.** Candidates should have prior experience in functional imaging at the cellular level (e.g., Fura2 imaging) or electrophysiological

recording, and publications/presentations vouching for this experience. The project will involve sophisticated new imaging methodologies that combine confocal Ca imaging with electrophysiology to study fundamental mechanisms in chemoreception. **Please contact Dr. Stephen Roper, Professor of Physiology & Biophysics, [sroper@med.miami.edu](mailto:sroper@med.miami.edu)** for further details.

#### FUNDING OPPORTUNITIES

##### FOX FOUNDATION FOR PARKINSON'S RESEARCH, MICHAEL J. –

Call for Submissions:

Biomarker Development

LRRK2 Challenge

Dyskinesia Challenge - Identification and Testing of Novel Targets

**Deadline for Submissions: Continuous**

[http://www.michaeljfox.org/research\\_openFundingPrograms\\_program.cfm?ID=7](http://www.michaeljfox.org/research_openFundingPrograms_program.cfm?ID=7)

##### CIHR FUNDING OPPORTUNITIES – various

<http://www.researchnet->

[recherchenet.ca/rnr16/search.do?fodAgency=CIHR&fodLanguage=E&all=1&search=tru](http://recherchenet.ca/rnr16/search.do?fodAgency=CIHR&fodLanguage=E&all=1&search=tru)

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