

NEUROSCIENCE NEWSLETTER

PROGRAM NEWS

NEW PIN STUDENTS:

We would like to welcome the following students to the Neuroscience Program:

Student's Name	Degree	Supervisor	Department
Aneta Krakowski	MSc	Paul Frankland	IMS
Adam Teitelbaum	MSc	Jose Luis Velazquez	IMS

GRADUATING STUDENTS:

We would like to congratulate the following PIN graduates:

Student's Name	Degree	Supervisor	Department
Amanda Chisholm	MSc	William McIlroy	Rehab. Science
<u>Thesis title:</u> "Characterization of the Centre of Pressure Trajectory during Gait in Stroke Patients"			
Naama Levy	PhD	Sandra Black	IMS
<u>Thesis title:</u> "Subcortical ischemic vasculopathy in Alzheimer's disease: Brain- behaviour relationships"			
Aravind Namasivayam	PhD	Pascal van Lieshout	Sp.-Lang Path
<u>Thesis title:</u> "Speech Motor Skills in Persons Who Stutter"			
Won Hyung A. Ryu	MSc	Deirdre Dawson	Rehab. Science
<u>Thesis title:</u> "Early Identification of Mild Traumatic Brain Injury"			
Jessica Sturgess	MSc	Derek van der Kooy	Med. Biophysics
<u>Thesis title:</u> "Caffeine has dopamine D2 receptor-dependent aversive properties that are independent of the adenosine A2A receptor"			
Rebecca Todd	PhD	Marc Lewis	HDAP
<u>Thesis title:</u> "Cortical patterns of social-emotional processing in early childhood: Electrophysiological responses to facial affect and familiarity in a go-nogo task"			

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Program Committee Members

J.O. Dostrovsky / PHYSIOLOGY (Dir.)	J. Roder / MOL. GENETICS
W.M. Burnham / PHARMACOLOGY	B.J. Sessle / DENTISTRY
P. Carlen / INST. MED. SCIENCE	M. Shoichet / INST. BIOMAT. & BIOMED. ENG.
L.F.De Nil / SPEECH LANG. PATHOL.	B. Stefanovic / MEDICAL BIOPHYSICS
Z. Jia / PHYSIOLOGY	W. Trimble / BIOCHEMISTRY
M. Lewis / HUMAN DEVELOPMENT AND APPLIED PSYCHOLOGY	J.W. Wells / PHARMACY
S. Nag / LAB. MED. PATHOBIOL.	J.S. Yeomans / PSYCHOLOGY
J. Peever / CELL AND SYSTEMS BIOLOGY.	K. Zabjek / REHAB. SCI.

PIN Office: Room 102, Tanz Neuroscience Building, M5S 3H2.

Telephone: 416-978-4894 Fax: 416-978-1878

e-mail: p.neuroscience@utoronto.ca.

<http://www.utoronto.ca/neurosci>

Office Hours: Mondays to Thursdays – 11:00am-4:00pm

UPCOMING PIN DISTINGUISHED LECTURES – FALL 2008

Please check <http://www.utoronto.ca/neurosci> for updates.

Wednesday, September 17, 2008 2pm

DANIEL WEINBERGER, Clinical Brain Disorders Branch, National Institute of Mental Health (NIMH), Bethesda, MD
Title: TBA

Mount Sinai Hospital, 18th Floor Auditorium

Friday, October 17, 2008 Time: TBA

GEORGE RICHERSON, Department of Neurology, Yale University, New Haven, CT
Title: TBA

Location: TBA

Wednesday, November 5, 2008 12pm

HELEN NEVILLE, Department of Psychology, University of Oregon, Eugene, OR

"Experience (and Genes) Shape Human Brain Development and Function"

Medical Sciences Building, Rm 3153

FACULTY NEWS

We are pleased to announce that **Dr. John Sled** from the Department of Medical Biophysics has joined the PIN faculty.

Dr. Sled's research interests:

My research program has two aspects: the use of medical imaging technologies to study mouse models of disease and the use of magnetic resonance imaging (MRI) techniques to study paediatric neurological disorders. Part of this work focuses on the structure and function of the micro-circulation with applications such as predicting morbidity in premature neonates and understanding diseases such as Alzheimer's and vascular dementia. Another part is the use of computational neuroanatomy techniques and high resolution imaging to study the effects of genes and the environment on mouse models. A third area is the development of advanced MRI techniques for structural imaging with applications to disorders such as paediatric multiple sclerosis.

Dr. Sled can be reached at: Hospital for Sick Children, 555 University Avenue, Toronto, Ontario M5G 1X8. Tel: 647-837-5818; Fax: 647-837-5832; e-mail: jgsled@phenogenomics.ca.

NOTICE TO GRADUATING STUDENTS

Please notify the PIN office upon your graduation to ensure that you will receive the notation "completed Collaborative Program in Neuroscience" on your degree transcript as well as a separate certificate suitable for framing from the PIN office to indicate that you have completed the program's requirements. Please let the office know the address you wish your certificate sent to and please also send us your thesis title. If you have transferred from a Master's degree to a Ph.D., please notify the PIN office.

OTHER NEUROSCIENCE NEWS

IUPS 2009: Travel Grant

As abstract submission for IUPS 2009 in Kyoto starts on Sept 1st, 2008, application for Young Investigators' Travel Grants will start simultaneously. For more information, please visit the website: <http://www.iups2009.com/>. If you have any additional questions, please do not hesitate to contact Nori Koibuchi (Email: nkoibuch@med.gunma-u.ac.jp)

Canadian Association for Neuroscience Meeting Call for Symposia Proposals

May 25, 26, 27, 2009
Westin Bayshore Hotel, Vancouver

Submit by Sept. 29, 2008 to bmacvicar@brain.ubc.ca
CAN-ACN webpage: www.can-acn.net

Meeting web page: www.can-acn2009.org

The third meeting of Canadian Association for Neuroscience - Association canadienne des neurosciences (CAN-ACN) will be held in Vancouver on May 25, 26, 27, 2009 at the Westin Bayshore Hotel. The format will consist of Plenary lectures, symposia and poster sessions.

We request proposals for symposia for the 2009 meeting that cover a wide range of topics in both basic and translational neuroscience. Symposia will be chosen based on scientific merit, whether the topic was covered at the last meeting and whether junior faculty or women are included as speakers. We also wish to ensure that a wide range of neuroscience topics are represented in various symposia. The Chair may or may not be a speaker and the total number of speakers should be 3 or 4.

If you would like organize a symposium please go to http://can-acn.net/index.php?option=com_content&task=view&id=168&Itemid=1

9th International Conference on Alzheimer's and Parkinson's Diseases

The 9th International Conference on Alzheimer's and Parkinson's Diseases: Advances, Concepts and New Challenges will take place in Prague, Czech Republic on March 11 - 15, 2009.

This congress covers over 40 Alzheimer's and Parkinson's Diseases (AD/PD) and neurodegenerative related topics and features presentations and discussions from over 100 acclaimed scientists and clinicians from 28 countries on the latest methodologies, research and breakthroughs in AD/PD. Around 2,500 participants are expected to attend. The groundbreaking series of AD/PD conferences provides a unique platform for presentations on, and discussion of the most up-to-date techniques and research in both AD/PD, as well as the integration between them and related neurodegenerative illnesses.

Submit your abstract for the Conference at:

<http://cts.vresp.com/c/?KenesInternationalAD/c43977a9a8/42b6aa39e2/25b89e7235/ref8=db1>

The deadline for submission of abstracts is October 15, 2008.

To register for the conference, go to:

<http://cts.vresp.com/c/?KenesInternationalAD/c43977a9a8/42b6aa39e2/420f7841c2/ref8=db1>

Secretariat: Kenes International 1-3, Rue de Chantepoulet P.O. Box 1726 CH-1211 Geneva 1 Switzerland Tel: + 41 22 908 0488 Fax: + 41 22 732 2850

Email: adpd@kenes.com

XXIVth International Symposium on Cerebral Blood Flow, Metabolism and Function & IXth International Conference on Quantification of Brain Function with PET

The XXIVth International Symposium on Cerebral Blood Flow, Metabolism and Function & IXth International Conference on Quantification of Brain Function with PET, will take place on June 29th – July 3rd, 2009, Chicago, USA.

Brain & BrainPET'09, is a crucial meeting for brain professionals and leading experts devoted to expanding their knowledge and advancing education, research, and treatments in fields such as cerebrovascular regulation, brain imaging, ischemia/stroke, neurotrauma, and brain protection.

The congress is organized by the International Society for Cerebral Blood Flow & Metabolism - ISCBFM

For more information, please see:

<http://www2.kenes.com/brain/pages/home.aspx>

POSITIONS AVAILABLE

UNIVERSITY OF TORONTO AND AFFILIATED INSTITUTIONS

Assistant Professor in Neuroscience University of Toronto Scarborough

The Department of Biological Sciences invites applications for a tenure stream position in Neuroscience. The position will be at the rank of Assistant Professor and will begin on July 1, 2009. The successful candidate will be expected to establish a strong, externally funded research program and to supervise graduate students. Candidates with demonstrated expertise in any area of cellular or molecular neuroscience are encouraged to apply, but preference will be given to candidates whose activities complement those of the current faculty. Of particular interest is the area of proteomics. Applicants must have a Ph.D. and at least one year of postdoctoral experience. The Department of Biological Sciences has significant strength in neuroscience that includes a "Centre for the Neurobiology of Stress", an "Integrative Behaviour and Neuroscience" research group and several Canada Research Chairs in these areas. The successful candidate will have a strong commitment to excellence in teaching at both the undergraduate and graduate level. Salary will be commensurate with qualifications and experience. Further information on the research and teaching activities of the Department may be found by consulting the departmental web site at <http://www.utoronto.ca/~biosci/index.html>.

Applicants should submit a complete vita, a statement of research interests, a statement of teaching philosophy / interests and copies of recent reprints. Three letters of recommendation (including comments on research, publications and teaching) should be provided. All materials should be addressed to: The Chair, Neuroscience Search Committee, Department of Biological Sciences, University of Toronto

Scarborough, 1265 Military Trail, Toronto, Ontario, Canada, M1C 1A4 or to biologicalsciences@utsc.utoronto.ca. The closing date for applications is October 24th, 2008.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas. The University is responsive to the needs of dual career couples. The University of Toronto offers the opportunity to conduct research, teach, and live in one of the most diverse cities in the world. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Neuroimaging Scientists Sunnybrook Health Sciences Centre

The Sunnybrook Health Sciences Centre site of the Heart and Stroke Foundation Centre for Stroke Recovery (HSFCSR), led by Site Co-Directors Drs. Sandra Black and William McIlroy, invites applications for two Neuroimaging Scientist positions, with specific expertise in structural and/or functional MRI techniques and/or analysis.

The successful candidate will be expected to develop a research program focused on the development and/or application of advanced MRI methods and analysis techniques utilizing high resolution imaging, relaxometry, magnetization transfer imaging, diffusion tensor imaging, MR spectroscopy, and arterial spin labeling.

Emphasis will be placed on potential application to human behaviour and neurological disorders relevant to stroke and stroke recovery. The successful applicant will provide a linkage between applied and basic research by developing collaborative relationships with Clinical Scientists and Imaging Research Physicists at Sunnybrook Health Sciences Centre, and with HSFCSR scientists at Baycrest and the University of Ottawa/Ottawa Health Research Institute.

More information about the Heart and Stroke Foundation Centre for Stroke Recovery, a unique public-private partnership, can be found at www.heartandstroke-centrestrokerecovery.ca and www.sunnybrook.ca/research/?page=csrhome

The candidate must possess a PhD or MD and must have relevant qualifications at the postgraduate level (e.g., physics, biophysics, chemistry, computer science, engineering, medical imaging, neuroscience, radiology). Ideally, the candidate will have demonstrated experience in multidisciplinary and multi-modal collaborative research, and success in obtaining external funding. The candidate should be eligible to obtain an appointment at the University of Toronto at the Assistant or Associate Professor level. Excellent communication and interpersonal skills are required as well as an ability to work with a multidisciplinary team. Applications are encouraged from qualified women and men, members of visible minorities, aboriginal peoples and persons with disabilities. In accordance with Canadian immigration

requirements, this advertisement is directed initially to Canadian citizens and permanent residents.

Application screening will begin on August 01, 2008, until a suitable candidate is identified. To apply, please send via email or mail a covering letter describing current research interests and future research goals, a complete up-to-date CV and the names of three potential references to: Mr. Farrell Leibovitch, Network Manager – Science, Heart and Stroke Foundation Centre for Stroke Recovery, Sunnybrook Health Sciences Centre, 2075 Bayview Avenue, A453, Toronto, ON M4N 3M5. E-mail: farrell.leibovitch@sunnybrook.ca

Neurophysiologist Sunnybrook Health Sciences Centre

The Sunnybrook Health Sciences Centre site of the Heart and Stroke Foundation Centre for Stroke Recovery (HSFCSR), led by Site Co-Directors Drs. Sandra Black and William McIlroy, invites applications for a Neurophysiologist position, with specific expertise in electroencephalography, transcranial magnetic stimulation and/or peripheral electrical stimulation techniques. The successful candidate will engage in a research program focused on development understanding of the mechanisms of stroke recovery, and the development and evaluation of advanced therapeutic approaches to facilitate post-stroke recovery. Emphasis will be on collaborative studies of human behaviour and neurological disorders relevant to stroke and stroke recovery. The successful applicant will provide a linkage between applied and basic research by developing collaborative relations with Clinical Scientists and Neuroscientists at Sunnybrook Health Sciences Centre, and with HSFCSR scientists at Baycrest and the University of Ottawa/Ottawa Health Research Institute.

The candidate must possess a PhD or MD. Ideally, the candidate will have demonstrated experience in advanced electrophysiologic techniques, multidisciplinary collaborative research, and success in obtaining external funding. The candidate should be eligible to obtain an appointment at the University of Toronto at the Assistant or Associate Professor level. Applications are encouraged from qualified women and men, members of visible minorities, aboriginal peoples and persons with disabilities. In accordance with Canadian immigration requirements, this advertisement is directed initially to Canadian citizens and permanent residents.

Application screening will begin on August 01, 2008, until a suitable candidate is identified. To apply, please send a covering letter describing current research interests and future research goals, a complete up-to-date C.V and the names of three potential references to: Mr. Farrell Leibovitch, Network Manager – Science, Heart and Stroke Foundation Centre for Stroke Recovery, Sunnybrook Health Sciences Centre, 2075 Bayview Avenue, A453, Toronto, ON M4N 3M5. E-mail: farrell.leibovitch@sunnybrook.ca

Postdoctoral Fellowships Sunnybrook Health Sciences Centre

The Sunnybrook Health Sciences Centre site of the Heart and Stroke Foundation Centre for Stroke Recovery (HSFCSR), led by Site Co-Directors Drs. Sandra Black and William McIlroy, invites applications for two-year Postdoctoral Fellowships focused on research associated with understanding and optimizing recovery after stroke. A total of up to four post-doctoral fellowships are to be supported. Funding support will be at a level consistent with Heart and Stroke Foundation fellowship funding. Applicants with expertise in one or more of the following areas/techniques are encouraged to apply: Vascular Cognitive Impairment, brain imaging, electrophysiology, cognitive and/or physical rehabilitation, stroke prevention and bioengineering.

The candidate must possess a PhD or MD. Ideally, the candidate will have an interest in or research experience on the cognitive and physical sequelae of stroke and stroke rehabilitation and have the potential to be successful in obtaining external funding. Applications are encouraged from women and men, members of visible minorities, aboriginal peoples and persons with disabilities. In accordance with Canadian immigration requirements, this advertisement is directed initially to Canadian citizens and permanent residents.

Application screening will begin on August 01, 2008, until suitable candidates are identified. To apply, please send a covering letter describing current research interests and future research goals, a complete up-to-date CV and the names of three potential references to:

Mr. Farrell Leibovitch, Network Manager – Science, Heart and Stroke Foundation Centre for Stroke Recovery, Sunnybrook Health Sciences Centre, 2075 Bayview Avenue, A453, Toronto, ON M4N 3M5. E-mail: farrell.leibovitch@sunnybrook.ca

USA

POSTDOCTORAL POSITION

UCSF Cancer Pain Postdoctoral Fellowship

The Cancer Pain Research Laboratory of the Department of Oral and Maxillofacial Surgery at the University of California San Francisco offers a postdoctoral position in systems neuroscience/pain research. The position is open to individuals with a PhD, MD/PhD or DDS/PhD. The laboratory focuses on peripheral molecular mechanisms underlying cancer pain. A person with a background in patch clamp electrophysiology, neurobehavioral testing, mouse models and molecular techniques is preferred. The applicant must be highly self-motivated and demonstrate intellectual independence. Excellent oral communication and scientific writing skills are required. The position is open immediately for one to three years with an annual contract. Salary is commensurate with experience.

Candidates who would like to discuss the postdoctoral position further are invited to contact Dr. Brian L. Schmidt via email:

brian.schmidt@ucsf.edu. Applications, in the form of a (1) CV (including details of two referees) and (2) covering letter (including brief statement of research experience and interests) should be emailed to the address below:

Brian L. Schmidt, DDS, MD, PhD, FACS
Associate Professor
Department of Oral and Maxillofacial Surgery
University of California, San Francisco
521 Parnassus Ave, C-522
Box 0440
San Francisco, California 94143-0440
fax 415-476-6305
email brian.schmidt@ucsf.edu

UCSF seeks candidates whose experience, teaching, research, or community service has prepared them to contribute to our commitment to diversity and excellence. The University is an Equal Opportunity/Affirmative Action Employer. All qualified applicants are encouraged to apply, including minorities and women.