

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
Ava Elahipanah	PhD	Bruce Christensen	IMS
Sakina Rizvi	MSc	Kennedy/Sproule	Pharm. Sci.

GRADUATING STUDENT:

We would like to congratulate the following PIN graduate:

Student's Name	Degree	Supervisor	Department
Constantina Lafoyiannis	MSc	Joanne Rovet	IMS
<u>Thesis title:</u> "Chromatic VEPs in Offspring of Women with Thyroid Disease in Pregnancy"			

UPCOMING PIN DISTINGUISHED LECTURES

Wednesday, April 4, 2007 4pm
MICHAEL YOUNG, Harvard Medical School, Boston, MA
 "A PER/TIM interval timer for Drosophila's circadian clock"
 Tanz Neuroscience Building, Rm 6
 (Please enter by the side or back doors into the Tanz building)

Friday, April 20, 2007 2pm
 PIN Poster Day Speaker
DOUG MUNOZ, Centre for Neuroscience Studies, Queen's University
 "Combining eye movements with neurophysiology, neuroimaging, and behavioural assessment to investigate brain function and dysfunction"
 Medical Sciences Building, Rm 2172

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Program Committee Members

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

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: Wednesdays - 1:15pm-5:00pm;
 Thursdays - 8:45am-5:00pm; Fridays - 8:45am-5:00pm

Thursday, April 26, 2007 4pm

Rescheduled - GYORGY BUZSAKI, Center for Molecular and Behavioral Neuroscience, Rutgers University
 "Oscillatory organization of internally generated cell assembly sequences"
 Medical Sciences Building, Rm 2172

PIN POSTER DAY

The PIN Poster Day will be held on **Friday, April 20, 2007** in the Stone Lobby (Rm 2171) of the Medical Sciences Building. The PIN speaker on that day will be Dr. Doug Munoz from Queen's University. His talk will be "Combining eye movements with neurophysiology, neuroimaging, and behavioural assessment to investigate brain function and dysfunction"

TENTATIVE SCHEDULE

10:00– 11:00: Poster set up and registration (free)

11:00 – 2:00: Poster viewing
Medical Sciences Building, Stone lobby

Noon - 12:30pm: Pizza lunch

12:30-1:30: Poster Judging

2:00 -3:00pm: Guest Speaker - **Doug Munoz**, Centre for Neuroscience Studies, Queen's University
"Combining eye movements with neurophysiology, neuroimaging, and behavioural assessment to investigate brain function and dysfunction"
Medical Sciences Building, Rm 2172

Please contact the PIN office if you are interested in volunteering at Poster Day.

2007 U of T BRAIN BEE

Congratulations to **Carol Cui** from the University of Toronto Schools, winner of the U of T Brain Bee, for coming in fourth place out of 26 competitors at the International Brain Bee in Baltimore, Maryland on March 18, 2007.

PIN FACULTY NEWS

Honours & Awards

Dr. John Peever (Dept. Cell and Systems Biology, Physiology and Program in Neuroscience) is the recipient of the 2007-2009 Roger Broughton Young Investigator Award from the Canadian Sleep Society.

from Physiolink, March 30, 2007

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 U of T NEUROSCIENCE NEWS

Neurosciences & Mental Health (NMH) Research Program at The Hospital for Sick Children presents:
Neuro-Cognitive Dysfunction: *From Genes to Behaviour*
Friday, April 13, 2007, Medical Sciences Building, 1 King's College Circle. Room 3163

8:45 am –9:00 am - Welcome by Neurosciences & Mental Health Program Head

Michael Salter, MD, PhD

9:00 am –9:50 am - "From Attention to Zinc. The zinc puzzle in ADHD; An interim analysis and question formulation"

Eugene Arnold, MD, M.Ed., Professor Emeritus of Psychiatry, Ohio State University

9:50 am –10:15 am - "Genetically informative cognitive endophenotypes of attention deficit hyperactivity disorder."

Russell Schachar, MD, FRCPC

10:15 am –10:35 am - Coffee Break

10:35 am –11:00 am - "Functional integration of adult-born neurons into memory circuits in the hippocampus"

Paul Frankland, PhD

11:00 am –11:25 am - "Behavioural Variability: Should we 'stop, look and listen' or sweep it under the table?"

Rosemary Tannock, PhD

11:25 am –12:15 pm - "Genomics of Brain Diseases"

Guy Rouleau, MD, PhD, FRCPC, Director of the CHU Sainte-Justine Research Center, Professor of Medicine Université de Montréal

12:15 pm –1:15 pm - Lunch in the Garden Terrace, Atrium, The Hospital for Sick Children Atrium

Please contact Marie Bomba to RSVP by April 5, 2007

Phone: (416) 813-8945 Email: marie.bomba@sickkids.ca

Centre for Brain and Behaviour Symposium 2007 Hospital for Sick Children

Thursday May 31st at The Old Mill, Toronto

The 2007 Symposium promises to be an exciting one with the theme of development and plasticity at the molecular, physiological and behavioural levels. A half day has been devoted to hearing and a half day to vision and speakers will be alternating between each of these areas to stimulate cross-modal thoughts.

In order to hold your place at the Symposium, please RSVP by Monday, May 14th to Barbara Zimnowodzki (barbara.zimnowodzki@sickkids.ca) or telephone 416-813-6308.

OTHER NEUROSCIENCE NEWS

Inaugural Meeting of the Canadian Association for Neuroscience: May 23-25, 2007, University of Toronto, Chestnut Conference Centre

The number of poster submissions and registrations has exceeded expectations (432 abstracts submitted, 500 registrations)! Registrations for the meeting may have to be closed soon due to the limited space at the conference centre.

Computational Neuroscience meeting

As you may know by now, the Computational Neuroscience meeting is coming to Canada for the first time (visit www.cns.org for details). Registration for the meeting and/or workshops to be held in Toronto will open in April.

Please note the following:

1) As part of the workshop portion, a NEURON short course is being offered. Even though it specifies "Parallel Simulations" in the title online, Ted Carnevale is more than willing to provide an introduction to NEURON as well. Basically, it will cover whatever people are interested in - simply email him your requests (ted.carnevale@yale.edu). Note that a NEURON introductory type course is offered every year at the Society for Neuroscience at a substantially higher cost than it will be here in Toronto.

2) For those interested in hearing personal perspectives of the Computational Neuroscience field from senior researchers in the field or simply learning about the field, consider attending the pre-satellite workshop being held at the Fields on July 7th (the day before the main Computational Neuroscience meeting starts). Registration is required, but is free. See

<http://www.fields.utoronto.ca/programs/scientific/07-08/neuroscience/> for details.

Please do not hesitate to contact Frances Skinner (fskinner@uhnres.utoronto.ca) for any questions you might have.

International Symposium NeuroVascular Dysfunction in Diabetes: the Eye as Window

Hosted by the U of T Banting & Best Diabetes Centre and the Department of Ophthalmology & Vision Sciences

Date: Saturday April 14, 2007

Location: MaRS Discovery District, 101 College Street, Toronto

Register now for this one-day symposium that will review the newest clinical and basic concepts describing systemic vascular dysfunction and systemic neuronal dysfunction in diabetes, and will consider Diabetic Retinopathy as a combined neurovascular disorder. It will present the "eye as window" to illustrate these concepts and to promote multi-disciplinary thinking for biomarker development, enhanced clinical trial design, and improved patient outcomes.

Final Program and Registration is available at the following UofT CME link:

<http://www.cme.utoronto.ca/education/neurovascular.asp>

Alternatively, to register by phone, please call the UofT CME office, 416 978-2719 or toll free 1-888-512-8173 or FAX: 416-946-7028.

Bordeaux PENS training Center, 2nd European Synapse Summer School Bordeaux Neuroscience Institute, France

The course is intended for mid-term PhD students and young postdocs. A total of 22 students will be accepted. The programme will cover

lectures and discussions with renowned scientists as well as methodological training, organized as short practical projects. For each of these mini-projects, a team of 2 students will work under the direction of the local faculty. Each week will be 'themed' to focus on one particular technique as follows:

- 1) Molecular and cellular biology, morphology
- 2) Electrophysiology and live imaging
- 3) Integrated and behavioural approaches

The school combines lectures and discussions by highly renowned scientists, with methodological training and possibilities to perform real experiments, within the frame of short practical projects performed on the workstations of the Bordeaux Neuroscience Institute.

For more information please visit: <http://www.escube.u-bordeaux2.fr/>

Graduate Research Seminar on Catecholamines

August 3-5, 2007

Magdalen College
Oxford, UK

Chairs: Kyle Smith, Shannon L. Hardie, Cheryse A. Furman, Jonathan Dilgen & Jill B. Becker

Contact Kyle Smith with questions: kyle@umich.edu

TOPICS INCLUDE:

1. Catecholamine Regulation of Behavior, Cognition, and Neuroendocrine Function
2. Involvement of Catecholamines in Neurological and Neuropsychiatric Disorders
3. Molecular Mechanisms of Catecholamine Signaling

Seeking post-doctoral fellows and graduate students to present and discuss their data in a peer environment. Applications for speaker slots are due May 1 (For details please visit our website: call for applications). Applications to attend the conference are due July 13.

Please visit our website for details and schedule updates:

http://www.grc.org/programs/2007/grad_cat.htm

POSITIONS AVAILABLE

UNIVERSITY OF TORONTO AND AFFILIATED INSTITUTIONS

POSTDOCTORAL POSITION

Department of Physiology, University of Toronto

A position is available in a molecular neuroendocrinology program. The applicant should have a strong background in molecular and cellular biology techniques, immunocytochemistry, and cell culture. A working knowledge of endocrinology and/or neurobiology would be an asset. Applicant must have strong communication and

teamwork skills. Please send CV and names of three references to Dr. D. Belsham (d.belsham@utoronto.ca)

OVERSEAS

POSTDOCTORAL POSITIONS

Lemantic Neuroscience PhD Fellowships Starting in September 2007 Geneva & Lausanne, Switzerland

The Universities of Geneva (UNIGE) and Lausanne (UNIL), the Ecole Polytechnique Fédérale de Lausanne (EPFL), and the University Hospitals of Geneva (HUG) and Lausanne (CHUV) offer 9 PhD Fellowships to work in laboratories covering a large spectrum of topics from molecular to cognitive Neuroscience. More information about the application, selection procedure, Doctoral Program and potential host laboratories may be obtained at this address: www.lemantic-neuroscience.ch/phd-fellowships. Candidates with Masters or equivalent degrees are invited to submit their application before April 15th, 2007.