

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
April Arundine	MSc	Robin Green	Rehab. Science
Behzad Elahi	MSc	Robert Chen	IMS
Hua Han	MSc	O. Carter Snead	IMS
Andreea Moraru	MSc	Paul Sandor	IMS

GRADUATING STUDENT:

We would like to congratulate the following PIN graduate:

Student's Name	Degree	Supervisor	Department
Andrea Gonzalez	PhD	Alison Fleming	Psychology

Thesis title: "The role of early experience, HPA and executive function in maternal behavior"

UPCOMING PIN DISTINGUISHED LECTURES

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

Thursday, March 6, 2008 4pm

FRED GAGE, Salk Institute, California

"Mechanisms and Functional Implications of Adult Neurogenesis"
Medical Sciences Building, Rm 3153

Please join Dr. Gage for a social hour in Rm 3227 after his lecture

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Program Committee Members

J.O. Dostrovsky / PHYSIOLOGY (Dir.)	J. Peever / CELL AND SYSTEMS BIOLOGY.
W.M. Burnham / PHARMACOLOGY	J. Roder / MOL. MED. GENETICS
P. Carlen / INST. MED. SCIENCE	B.J. Sessle / DENTISTRY
L.F. De Nil / SPEECH LANG. PATHOL.	M. Shoichet / INST. BIOMAT. & BIOMED. ENG.
Z. Jia / PHYSIOLOGY	W. Trimble / BIOCHEMISTRY
N. Kabani / MEDICAL BIOPHYSICS	J.W. Wells / PHARMACY
M. Lewis / HUMAN DEVELOPMENT AND APPLIED PSYCHOLOGY	J.S. Yeomans / PSYCHOLOGY
S. Nag / LAB. MED. PATHOBIOL.	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: Wednesdays - 1:15pm-4:30pm;

Thursdays - 8:45am-5:00pm; Fridays - 8:45am-5:00pm

Friday, April 4, 2008 12pm

HIROSHI UEDA, Division of Molecular Pharmacology and Neuroscience, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

"Prothymosin α plays a key role in cell death mode-switch, a new concept for neuroprotective mechanisms in stroke"

Medical Sciences Building, Rm 3154

CANCELLED - Friday, April 4, 2008 2pm - **CANCELLED**

ROBERT WENTHOLD, National Institute on Deafness and Other Communication Disorders, National Institutes of Health, Bethesda, Maryland

Title: TBA

Medical Sciences Building, Rm 3153

PIN POSTER DAY - Medical Sciences Building, Stone Lobby

Wednesday, April 30, 2008 Time: TBA

ISABELLE MANSUY, University of Zurich

Title: TBA

Medical Sciences Building, Rm 2172

PIN POSTER DAY

CALL FOR ABSTRACTS

DEADLINE: WEDNESDAY, MARCH 19th, 2008

The PIN Poster Day will be held on **Wednesday, April 30, 2008** in the Stone Lobby (Rm 2171) of the Medical Sciences Building. The Distinguished Lecture Speaker will be Isabelle Mansuy from the University of Zurich. Deadline for poster abstracts is March 19th (submissions earlier than this date are welcome). It is acceptable to submit an abstract from a previous meeting. Please e-mail the abstract in the body of the e-mail message, and if possible, also as an attachment to p.neuroscience@utoronto.ca by March 19th. Poster boards are 6ft. wide x 3ft. high and velcro attachments will be provided.

Please note that PIN students are required to present a poster at the Annual PIN Poster Day at least once during their degree and are required to attend Poster Day each year.

Directions for Abstracts:

Please do not include extra formatting (bold, italics, etc.) other than the requested underlining of the presenter's name and title of poster in capitals. Please use Times New Roman Font, 11 point, single line spacing. Your adherence to these guidelines is required.

Abstract: (not to exceed 1 page in length)

Authors (last name first followed by first name), Underline presenter, if PIN student, place * after name
Departmental Affiliations
TITLE OF POSTER (in capitals)
(space)
Body of Abstract

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

2008 U of T BRAIN BEE

The Collaborative Program in Neuroscience (PIN) hosted the 10th annual neuroscience competition for High School students on Wednesday afternoon, February 20, 2008. Twenty-seven students from 10 different Toronto schools took part in this oral competition modeled after a "spelling bee". The first place winner was **Jeremy Zung** from the University of Toronto Schools. Second place went to **Ling Sang**, from William Lyon Mackenzie C.I., and in third place was **Simon Feng** from A.Y. Jackson C.I. The winner of our local contest, Jeremy Zung, will take part in the 1st Canadian National Brain Bee competition which will take place at McMaster University in Hamilton on May 10 where the winners from other local University-sponsored competitions in Canada will be participating. The winner of the Canadian Brain Bee will then compete at the International Brain Bee competition which will take place in Montreal on May 25-26 in association with the annual meeting of the Canadian Association for Neuroscience. In the 9 year history of the IBB, three U of T brain bee winners also won first place in the IBB.

The U of T competition is organized by Professor Jonathan Dostrovsky, Director of PIN with the help of PIN faculty member Dr. Karen Davis. Many thanks go to PIN graduate students Maha Adamo (Psychology), Udi Blankstein (IMS), Leigh Botly (Psychology), Zenya Brown (Psychology), Jerry Yeou-Wei Chen (IMS), Sarah Johnson (Psychology), Massieh Moayed (IMS), Bechara Saab (Molecular and Medical Genetics), Vishan Sivagnanam (Physiology) and Alex Weber (Physiology) for assisting with the Bee. Special thanks to Leigh Botly, Sarah Johnson and Alex Weber for giving presentations on their research. Also, thanks to Dr. Pat Stewart for giving the students a very memorable tour of the Anatomy Museum. Special thanks go to Pat Reed, PIN program administrator, for her administration of the Brain Bee.

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

Neurosciences & Mental Health (NMH) Research Program at The Hospital for Sick Children presents: Memory of Mice and Men
Friday, March 7, 2008
Hollywood Theatre (SickKids Auditorium)
Rm 1246 – Elm Wing, 555 University Ave

8:30 am – 8:55 am *Coffee Break & Registration in the Rotunda*

8:55 am – 9:00 am Welcome by **Sheena Josselyn, PhD**

9:00 am – 9:50 am "Neural mechanisms of action learning: from intent to habit"

Rui M. Costa, DVM, PhD

Scientist, Laboratory for Integrative Neuroscience – NIAAA-NIH, National Institute of Health, Bethesda, Maryland

9:50 am – 10:20 am "Long-term potentiation and pain plasticity --- commonalities of mechanisms"

Michael Salter, MD, PhD Neurosciences & Mental Health

10:20 am – 10:40 am *Coffee Break in the Rotunda*

10:40 am – 11:10 am "Neural mechanisms of novelty detection and recognition memory in humans"

Stefan Köhler, PhD

Associate Professor, Behavioural & Cognitive Neuroscience, University of Western Ontario, London

11:10 am – 11:40 am "Memory of Children with Epilepsy"

Mary-Lou Smith, PhD Neurosciences & Mental Health

11:40 am – 12:30 pm "Fear: Translational Approaches to Emotional Learning"

Kerry Ressler, MD, PhD

Assistant Professor, Department of Psychiatry & Behavioural

Sciences, Centre for Behavioural Neuroscience, Yerkes National Primate Research Centre, Emory University, Atlanta, Georgia
12:30 pm – 1:30 pm - Lunch in the Garden Terrace, Atrium, The Hospital for Sick Children
Please contact Sharon Quilop to **RSVP by March 3, 2007**
Phone: (416) 813-5756 Email: NMH.Events@sickkids.ca

**SONA 08 at the University of Western Ontario
Friday May 9, 2008
Annual Meeting And Poster Day Call For Abstracts**

This year's Southern Ontario Neuroscience Association (SONA) meeting is co-hosted by the University of Windsor and the University of Western Ontario, and will take place on Friday, May 9 in London Hall at the University of Western Ontario.

Keynote Speaker: Diego Restrepo (University of Colorado) "The olfactory bulb: An olfactory thalamus?" More speakers to be announced shortly. Prizes for posters by undergraduate, graduate and post doc trainees will be awarded.

The deadline for submission of abstracts for posters is Friday April 4th. Submission earlier than the deadline is encouraged. Instructions for submission of abstracts: Please e-mail the abstract in the body of the e-mail message, and also as an attachment to bcn@uwindsor.ca by April 4. Please do not include extra formatting (bold, italics, etc.) other than the requested underlining of the presenter's name and title of poster in capitals. Please use Times New Roman Font, 11 point, single line spacing. Your adherence to these guidelines is required. Abstract (not to exceed 1 page in length): Authors (last name first followed by first name), Underline presenter, Departmental and Institutional Affiliations TITLE OF POSTER (in capitals) (space) Body of Abstract. For further information about the meeting contact: Dr. Barbara Zielinski, Dept. of Biological Sciences, University of Windsor; e-mail: zielin1@uwindsor.ca Tel: (519) 253-3000 xt 2726; Fax: (519) 971-3609.

2008 Annual Centre for Brain and Behaviour Day, Hospital for Sick Children

Thursday, June 5, 2008
"Sleep and Memory"
The Old Mill, Toronto
Details to follow shortly

Canadian College of Neuropsychopharmacology Conference

June 6 - 9, 2008
Toronto, Ontario, Canada
The deadline for poster abstract submission is March 28th.
Website: www.ccnp.ca

Third ISN Special Neurochemistry Conference

8th International Meeting for Brain Energy Metabolism
"Neurodegeneration and Regeneration"

Beijing, China
June 27 – July 1, 2008
www.isnbeijing2008.org

**Department of Neuroscience, Hotchkiss Brain Institute
University of Calgary
National Graduate Student Recruitment 2008**

The Department of Neuroscience, University of Calgary, will be awarding all-expense-paid trips to Calgary for the top students interested in visiting the Department of Neuroscience and meeting potential graduate program supervisors. For information, visit: www.ucalgary.ca/~neuro/recruit

POSITIONS AVAILABLE

CANADA

TENURE TRACK POSITION

**Tenure Track Position for a Neuroscientist
Department of Psychiatry, University of Saskatchewan**

The Department of Psychiatry, University of Saskatchewan in Saskatoon, Canada invites applications from qualified neuroscientists with a PhD to join the Biological Psychiatry Research Unit of the Department. This full time tenure-track appointment at the assistant/associate professor level will be at a salary plus benefits commensurate with qualifications and experience of the applicant.

The successful candidate will have primary interests consistent with the clinical research activities of the Department of Psychiatry which are focused on mood and anxiety disorders, acute and long term psychoses and other mental disorders, with strong interest in translational research with clinical programs.

The incumbent will obtain external grants and maintain a research program, as well as conduct collaborative research with other Departments. Supervision and teaching activities of residents and students at all levels will be required. The expected starting date is October 1st, 2008.

The University of Saskatchewan is committed to the principles of employment equity and welcomes applications from all qualified candidates. Women, people of aboriginal descent, members of visible minorities and people with disabilities are invited to identify themselves as members of these designated groups on their application. Applications are invited from qualified individuals regardless of their immigration status in Canada, with preference given to residents and landed immigrants.

Please call (306) 966-8223, Fax (306) 966 8761, email raymond.tempier@usask.ca or write to: Dr. Raymond Tempier, Professor and Head, Department of Psychiatry, 103 Hospital Drive,

University of Saskatchewan, Saskatoon, SK. S7N 0W8 Canada.

Deadline for applications is April 30, 2008.

POSTDOCTORAL POSITIONS

Postdoctoral Fellowship Openings Department of Psychiatry, University of Manitoba

Two postdoctoral fellow positions and one faculty track research associate position are available in Neuropharmacology in the Department of Psychiatry for highly motivated individuals to study the pathogenesis of psychiatric and neurodegenerative disorders. The positions require a Ph.D. with postdoctoral experience, with a strong background in molecular neurobiology, neuropharmacology and behavioral neuroscience. Successful applicants are expected to have the ability to work independently. Strong verbal and written communication skills are required. These are grant-funded two-year positions with possibility of renewal and promotion to a contingent faculty appointment. Starting salary will be between \$40,000/year to \$55,000/year, depending on research experience. Positions are open until filled.

Applicants should send a letter of application, curriculum vitae, and the names of two references to: Dr. Xin-Min Li (xinmin_li@umanitoba.ca), Department of Psychiatry, University of Manitoba, PZ432-771 Bannatyne Avenue, Winnipeg, Manitoba R3E 3N4 Canada.

UNITED STATES

TENURE TRACK POSITIONS

University of Minnesota-Twin Cities

The Institute of Translational Neuroscience at the University of Minnesota-Twin Cities is seeking to recruit outstanding faculty members for up to eight tenured and/or tenure-track positions.

The link for a copy of the advertisement that appears in Neuron, New England Journal of Medicine, Science, as well as Society for Neuroscience and related websites is http://www.neurosci.umn.edu/faculty_search.html. It would be greatly appreciated if you could bring this position to the attention of interested individuals in your neuroscience community.

Please contact Rosalyn Segal, Medical School Dean's Office, University of Minnesota at rsegal@umn.edu for more information.

POSTDOCTORAL POSITION

Postdoctoral Position in fMRI of Memory

Duke University, Durham, NC

A postdoctoral position is available in the laboratory of Roberto Cabeza (www.cabezalab.org) at the Center for Cognitive Neuroscience of Duke University (www.mind.duke.edu). fMRI scanning is conducted at the nearby Brain Imaging and Analysis Center (www.biac.duke.edu), which includes state-of-the-art 3T and 4T scanners fully dedicated to fMRI research. Research topics include, but are not limited to, episodic memory processes (e.g., relational memory, emotional memory, autobiographical memory), comparisons between memory and other cognitive functions, and the effects of healthy and pathological aging. The desirable candidate will have experience in cognitive and/or fMRI research, strong computer skills, and a promising publication record. Send a statement of research interests and a CV to cabezalab@duke.edu.

OVERSEAS

POSTDOCTORAL POSITION

Laboratory of Neurophysics and Physiology Université René Descartes, Paris

Dr. Daniel Zytnicki's team is recruiting a post-doc in electrophysiology for two years. The monthly salary is 2500 euros, i.e. 3750 US\$, with 500 euros withdrawn for health plan and full social cover. More information on this position funded by CNRS can be found at the address:

<https://www2.cnrs.fr/DRH/post-docs08/?pid=8&lang=en>
from which the application file can also be downloaded.

The topic of the post-doc will be: "Pathophysiology of the motoneuron and its motor unit in ALS in the adult mouse".

The official announcement of the opportunity and more details on the research project are available on the site
<https://www2.cnrs.fr/DRH/post-docs08/?pid=1&action=view&id=727>

Interested persons must get in touch with Dr. Zytnicki and should send him their application before the March 30 deadline.

The successful applicant may start working in Dr. Zytnicki's lab on September 1, 2008. However, the beginning of the post-doctoral stay may be postponed until January 1, 2009, if necessary.

Dr. Daniel ZYTNICKI
Directeur de Recherche au CNRS
Directeur de l'UMR 8119
Laboratory of Neurophysics and Physiology

Université René Descartes (Paris 5)
45 rue des Saints-Pères
75270 Paris Cedex 06

Phone: Direct line (33) 1 42 86 22 85; Secretary (33) 1 42 86 21 38
e-mail Daniel.Zytnicki@univ-paris5.fr

POSITION WANTED

Sudeep Babu is looking for a Research position. Sudeep has a Bachelor's degree with physics as a major and chemistry and mathematics as ancillaries. His Master's degree was in Medical & Clinical Biochemistry. This included Physiology, Anatomy, Lab Principals and Procedures, Metabolism, Analytical Chemistry and Molecular Biology. As a part of the curriculum, he worked as a student research fellow on a project to study an anti hyper lipidemic drug named 'Liposem'. The study involved the biochemical and dose effects of the drug in animals followed by interactions in humans. He started as a Research assistant at the All India Institute of Medical Sciences in the department of Neurobiochemistry. He has also undergone training in many techniques in various fields, both biochemical and molecular biology. In 2002, he started as a research assistant with the Department of Neurology to work on a project involving the aspects of Biochemical correlates of chronic tension headache and its modulation by autogenic relaxation therapy. This project outlined the different molecular events and modulation of receptors in neuro transmission. He is currently working on a project - Advanced proteomics in Wilson's disease - on animal models as well as human patient samples and his work here involves cryopreservation and mitochondrial isolation of liver tissue samples as well as whole blood. Further analysis will involve morphological study by photo contrasting and EM, biochemical analysis and proteomic analysis involving 2D gel electrophoresis immunohistochemistry, immunocapture, western blotting protein spot isolation etc. and compilation of results with advanced proteomic techniques. He has done analysis of myline basic protein (MBP), oligoclonal bands (OCB) and western blotting and standardized some special tests - ADA fractionation – which later became new routine investigations. Sudeep can be contacted at sudheepbabus@yahoo.co.uk.

VOLUNTEER POSITION WANTED

Dr. Mahreen Raza is an international medical graduate. Dr. Raza did one year of internship in her homeland, six months in medicine and six months in surgery. During her six months of medicine she did three months in neurology, which is her field of interest. She is interested in any volunteer work in Neuroscience, however she is requesting a stipend to cover travel expenses from Newmarket. Dr. Raza can be reached at: mahreenfaisal786@hotmail.com.