

# NEUROSCIENCE NEWSLETTER

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## PROGRAM NEWS

### UPCOMING UTNP DISTINGUISHED LECTURES

Please check [www.neuroscience.utoronto.ca](http://www.neuroscience.utoronto.ca) for updates.

**"Prions: What do we know about the structure of the infectious prion protein?"**



**HOLGER WILLE**, PhD, University of California, San Francisco  
Date: Thursday Nov 12, 2009 1pm  
Location: Rm 3154, Med Sci Building, University of Toronto

**"Memory allocation: insights into the mechanisms that determine the synapses and cells engaged in memory storage"**



**ALCINO SILVA**, PhD, UCLA  
Date: Tues December 15, 2009 1pm  
Location: Rm 3154, Med Sci Building, University of Toronto



**SONIA LUPIEN**, PhD University of Montreal  
Title: TBA  
Date: January 14 2009  
Location: Rm 3153, Med Sci Building, University of Toronto

*CPIN students need to attend 75% of the UTNP Distinguished Lectureship Series each year*

### UTNP SfN09 TRAVEL AWARD WINNERS

Congratulations to the recipients of the UTNP SfN09 Travel Awards who each received \$500 travel support to present their abstract at the recent SfN Meeting in Chicago. The winners were presented with award certificates at the Oct 18<sup>th</sup> 2009 UTNP reception at the Hyatt Regency Chicago.

Melanie Andre	Aqsa Malik
Maithe Arruda-Carvalho	Masanori Sakaguchi
Meaghan Creed	Dimitry G. Sayenko
Nathalie Goodfellow	Natalya Shulyakova
Jessica Jordao	Yi-Mei (Amy) Yang
Noufissa Kabli	

### NEW CPIN STUDENTS

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

Student Name	Deg.	Supervisor	Department
Katie Ferguson	PhD	Frances Skinner	Physiology
Carlos Florez	MSc	Peter Carlen	Physiology
Gemma Higgs	MSc	Sheena Josselyn	IMS
Nicholas Hodgson	MA	Marc Lewis	HDAP
Anne Hunt	PhD	Deirdre Dawson	Rehab Science
Monika Janus	PhD	Marc Lewis	HDAP
Jason Lam	MSc	Jonathan Dostrovsky	Physiology
Daniel Lee	PhD	Adam Anderson	Psychology
Zhong Xu Liu	PhD	Marc Lewis	HDAP
Michael Sage	PhD	William McIlroy	Rehab Science
Sara Salehi	MSc	Angela Colantonio	Rehab Science
Ashkan Salehzadeh	MSc	Gerold Schmitt-Ulms	LMP
Amy Wilkinson	MA	Michelle Keightley	Psychology

**THREE OPPORTUNITIES IN THE HUMAN BIOLOGY PROGRAM TO MEET/INSPIRE/POTENTIALLY RECRUIT ENTHUSIASTIC, ACADEMIC, SENIOR UNDERGRADUATE SCIENCE STUDENTS:**

1. mentor a student's literature research project as part of HMB397H1F Scientific Communication

- ~ 5 hours commitment fall 2009-10
- reply to email request for expert mentor sent this week (more details with request)

and/or

2. present a research poster Thurs. Nov. 5 2009, 2-5pm, in the Research Exposé Poster Session of HMB314 Laboratory in Human Biology (confirmation to human.biology@utoronto.ca)

and/or

3. host a lab visit Thurs. Nov. 26 2009, 2-5pm, for one student in HMB314 (confirmation to human.biology@utoronto.ca)

**NOTICE TO GRADUATING STUDENTS**

Please notify the CPIN 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 CPIN 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 PhD, please notify the CPIN office.

**U OF T NEUROSCIENCE EVENTS AND SEMINARS**

**KREMBIL NEUROSCIENCE CENTRE GRAND ROUNDS**

Held Thursdays 7:30-8:30am

Main Auditorium, 2 West Wing, Room 401

Toronto Western Hospital

**ROTMAN ROUNDS**

Held Mondays 3:30pm

Classroom 842, 8th Floor, Brain Health Complex, Rotman

Research Institute

**University Of Toronto, Department Of Psychology**

**EBBINGHAUS EMPIRE MEETINGS**

Held Wednesdays 12:15 – 1:30

Room 3130 (third floor) Sidney Smith Bldg., St. George Campus, 100 St. George St.

**PROGRAM IN CELL BIOLOGY SEMINAR SERIES**

**"Mass Spectrometry-Based Biomarker Discovery Yields Promising Prognostic Markers for Head-and-Neck / Oral Cancer and Oral Premalignant Lesion"**

**Dr. K.W. Michael Siu**

Department of Chemistry Director, Centre for Research in Mass Spectrometry York University

Date: Friday, November 6, 2009

Time: 1:30 - 2:30

Location: Room 1527, Hill Wing, SickKids

**CAMH NEUROSCIENCE RESEARCH SEMINAR**

**"Social Stress and Neuroadaptation: Relevant to Disorders of Affect and Reward"**

**Klaus Mischek, Ph.D.**

Moses Hunt Professor of Psychology, Psychiatry, Pharmacology & Neuroscience, Tufts University

Date: Friday, November 6, 2009

Time: 12:00 p.m. to 1:00 p.m.

Location: CAMH - 33 Russell Street, Meeting Centre, 2nd Floor

**SICKKIDS 9TH ANNUAL NEUROSCIENCE DAY**

The SickKids 9th Annual Neuroscience Day is taking place on Monday November 9, 2009 from 7:30am to 4:00pm in the Hollywood Theatre. The program agenda will be available shortly and will be posted throughout the hospital and on The Centre for Brain & Behaviour website.

Registration is free to all SickKids staff and students or \$40 for individuals external to SickKids. Watch for registration dates coming in the fall!

**UNIVERSITY OF TORONTO 2009-2010 BRAIN AND BEHAVIOUR SEMINAR SERIES**

Talks begin at 4:00 pm sharp

Location: Sidney Smith, Room # 2105

**"Network Organizations of the Neocortex Underlying Long-Term Memory"**

**Kaori Takehara, PhD**

Psychology – St. George

November 13, 2009

**"Deep Brain Stimulation in Models of Depression"**

**José Nobrega, PhD**

Psychology, Pharmacology, Centre for Addiction and Mental Health (CAMH)

December 4, 2009

**"Rewards, Opiates and Addictions: Changing Cholinergic and Dopaminergic Contributions"**

**John Yeomans, PhD**

Psychology – St. George

January 15 2010

**"Sex and the Social Brain"**

**Melissa Holmes, PhD**

Psychology – Mississauga

February 12, 2010

**"Making and Erasing Fear Memories"**

**Sheena Josselyn, PhD**

Physiology, Hospital for Sick Children

March 12, 2010

**"Two Faces of Hippocampal Neurogenesis and their Functional Consequences"**

**Martin Wojtowicz, PhD**

Physiology, BRAIN Research Platform

April 9, 2010

## DEPARTMENT OF STATISTICS SEMINAR SERIES

### "Some Statistical Thinking in the Analysis of Neural Spike Train Data"

Robert E. Kass

Department of Statistics, Machine Learning Department, and Center for the Neural Basis of Cognition Carnegie Mellon University

Date: Thursday, November 19, 2009

Time: 3:30 - 4:30 p.m. (Light refreshments will be served at 3:10 p.m.)

Sidney Smith Hall, 100 St. George Street, Room 1086

## PROGRAM IN CELL BIOLOGY SEMINAR SERIES

### "Targeting Neuronal and Glial Signalling in Pain Neuroplasticity"

Dr. Michael Salter

Program in Neurosciences & Mental Health The Hospital For Sick Children

Date: Friday, November 20, 2009

Time: 1:30 - 2:30

Location: Room 1527, Hill Wing, SickKids

### "Inside out: Signaling from an intracellular G-protein coupled receptor"

Dr. Karen L. O'Malley

Professor, Department of Anatomy and Neurobiology, Washington University School of Medicine, St. Louis, Missouri

Date: Dec. 11, 2009

Time: 11:00 a.m.

Location: Room PB 850, 144 College Street, Leslie Dan Faculty of Pharmacy

Baycrest-Berkeley presents

## The 20th Annual Rotman Research Institute Conference

### The Frontal Lobes

March 22-26, 2010 - Toronto, Canada

Organized by Donald T. Stuss, PhD and Robert T. Knight, MD

Early-Bird Registration Deadline Is December 15, 2009!

Space Is Limited, So Register Early!

Special Note - we are offering free on-site child care services for conference attendees, please understand that space is limited.

<http://www.rotman-baycrest.on.ca/index.php?section=5>

Please note that the deadline for all poster submissions as well as for our free child care service is **November 16, 2009!**

## UPCOMING NEUROSCIENCE MEETINGS

### 6TH INTERNATIONAL CONGRESS ON VASCULAR DEMENTIA

The 6th International Congress on Vascular Dementia will be held in Barcelona, Spain from **November 19-22, 2009**. The Sixth International Congress will once again aim to be a showcase for the discussion of new developments in the area of dementia with special attention to cerebrovascular diseases affecting cognition. The congress will be an opportunity to deliberate on large and small vessel brain diseases and how they contribute to cognitive

decline. We shall try to identify specific biological and psychological markers, if any, of vascular dementia, and also the genetic factors involved. The overlap with Alzheimer's disease will be a central issue, as will be the white matter changes frequently seen in dementia.

Further information:

<http://www2.kenes.com/Vascular/Pages/Home.aspx?ref6=db1>

### WFN 2009 - PARKINSON'S DISEASE CONGRESS

WFN XVIII World Congress on Parkinson's Disease and Related Disorders will be held in Miami Beach, Florida, **December 13-16, 2009**.

Keynote lectures will be delivered by distinguished international faculty, while a large number of selected free communications will report new data from clinical centers and basic research laboratories around the globe.

Further information can be found on the Congress website:

<http://www.kenes.com/parkinson>

### NETWORKS: A FRAMEWORK FOR CROSS-DISCIPLINARY APPLICATIONS"

The Institute for Biocomputation and Physics of Complex Systems (BIFI) of the University of Zaragoza, Spain, is organizing the Conference "Networks: A Framework for cross-disciplinary applications" that will take place from **February 3 to February 6, 2010**. More information can be found at <http://bifi.unizar.es/events/bifi2010/>

Complex Networks have been the subject of intense research during the last decade. After the burst of activity in this field, it has been increasingly recognized that network theory has become an essential ingredient for understanding and modeling the structure and dynamics of complex systems. The application of complex networks concepts and tools has rapidly spread across disciplines as diverse as Epidemiology, Sociology, Neuroscience and Computer Science. The common methodological framework provided by network theory is thus a crossroads in which different scientific perspectives share efforts and gain knowledge to their own applications.

The aim of BIFI2010 is to bring together scientists studying complex systems in Physics, Sociology, Computer Science, Neuroscience and Biology that strongly rely on the use of complex networks for their research. The topics to be covered include, but is not limited to, the following scientific problems:

- Predictive power of Network Theory.
- Complex Networks in Technology, including communication and wireless networks.
- Structure and Dynamics of Biological Networked Systems at all organizational levels (from the genome to ecosystems).
- Social Networks.
- Evolutionary Game and Graphs Dynamics.
- Algorithms in and for Complex Networks.
- Synchronization in Complex Networks, including Brain and neural networks.
- Epidemic Spreading in Heterogeneous Populations.

The Organizing Committee promotes a call for contributions. There will be 9 invited lectures and around 15 to 20 short (25 minutes) oral contributions to be selected among those presented as a poster when they are best suited for a talk. Otherwise, they should be included in the poster session. You can use the online registration form to submit your proposal or send it by email to [bifi.networks@gmail.com](mailto:bifi.networks@gmail.com) no later than **November 21, 2009**.

*Important : Some grants to help covering subsistence expenses while in the Conference might be available for PhD students or young postdocs. If you are interested in applying please contact the conference's organizers with a brief summary of your research work and a justification of why you need the requested grant.*

### **XXXII<sup>ND</sup> INTERNATIONAL SYMPOSIUM OF THE GRSNC**

Enhancing performance for perception and action - Multisensory integration, neuroplasticity & neuroprosthetics

**May 10-11, 2010 Université de Montréal**

The XXXII<sup>nd</sup> International Symposium of the Groupe de recherche sur le système nerveux central, entitled "*Enhancing performance for perception and action – Multisensory integration, neuroplasticity & neuroprosthetics*", will be held on May 10-11, 2010 at the Université de Montréal. The preliminary program is now available at:

<http://www.grsnc.umontreal.ca/32s/prog-prel.html>

Registration will open on **November 17<sup>th</sup>, 2009**.

The symposium will be held at the Université de Montréal and is organized by Drs Elaine Chapman, Andrea Green, John Kalaska, and Franco Lepore.

The objective is to provide an overview of the various neural mechanisms that contribute to learning new motor and sensory skills, and to adapting to changed circumstances including the use of devices and implants to substitute for lost sensory or motor abilities (brain machine interfaces, BMI).

The symposium will focus on recent developments covering four major themes:

- 1) Mechanisms to enhance motor performance;
- 2) Mechanisms to enhance sensory performance;
- 3) Multisensory interactions and its role in enhancing action and perception;
- 4) Technological interventions to restore action and perception (BMI).

Submissions are invited for a limited number of poster presentations. Deadline for poster submissions: March 31<sup>st</sup>, 2010.



May 15-18 2010  
Ottawa, Ontario  
Westin Hotel  
[www.can-acn2010.org](http://www.can-acn2010.org)

### **THE 10TH INTERNATIONAL CONFERENCE ON ALZHEIMER'S & PARKINSON'S DISEASES**

Barcelona, Spain, March 9-13, 2011

2346 professionals from Western and Eastern Europe, the Far East, Middle East, North and South America, and Australia attended AD/PD 2009 in Prague — the fastest growing Conference on Alzheimer's (AD) and Parkinson's diseases (PD) a premier, landmark biennial conference.

[www.ad-pd.org](http://www.ad-pd.org)

## **FUNDING ANNOUNCEMENTS**

**SLEEP RESEARCH SOCIETY (SRSF)** : 2010 Sanofi-Aventis Insomnia Subtypes Research Grant. The SRSF is pleased to present a unique funding opportunity made possible through a generous donation by the Sanofi-Aventis Group. The title of grant is "Insomnia subtypes: sleep onset versus sleep maintenance difficulties." Deadline for Submissions: November 30, 2009.

**ALZHEIMER'S ASSOCIATION INTERNATIONAL RESEARCH GRANTS PROGRAM** : The 2010 Program Announcement describes areas of focus for the 2010 International Research Grant Program as well as specific grant competitions and funding levels. Areas of focus are designed to elicit proposals spanning the entire spectrum of dementia research, from basic science to social and behavioral investigations. Grant competitions are structured to support researchers at every stage of their careers, from scientists less than 10 years past their doctoral degrees to internationally recognized thought leaders in the field. **Deadline for Letters of Intent: December 1, 2009.**

**FOX FOUNDATION FOR PARKINSON'S RESEARCH, MICHAEL J. (MJFF)** : **Rapid Response Innovation Awards - Edmond J. Safra Core Program for PD Research.** To promote testing of novel hypotheses, funding from our Rapid Response Innovation Awards program quickly supports high-risk, high-reward projects with little to no existing preliminary data, but potential to significantly impact our understanding or treatment of PD. **Deadline for Applications: Continuous.**



## POSITIONS AVAILABLE

### UNIVERSITY OF TORONTO & AFFILIATED INSTITUTIONS

#### TA POSITIONS FOR GRADUATE STUDENTS, HUMAN BIOLOGY PROGRAM

The Human Biology Program is offering a number of TA positions for Graduate students interested in including teaching as a part of their academic education. TA positions are available in a number of our undergraduate courses. The positions vary and range from 35 hours to 65 hours and the rate of payment is in accordance with the new CUPE 3902 Unit 1 collective agreement. Please see the links below for job position postings information and application form. Please post the job positions on any Graduate bulletin board and/or as an email to your graduate students. If you have any questions please feel free to contact Ron Wilson, Associate Director Human Biology Programs by phone at 416-946-7609 or by e-mail at [human.biology@utoronto.ca](mailto:human.biology@utoronto.ca).  
<http://hmb.utoronto.ca/index.php?q=node/168>

#### COGNITIVE NEUROSCIENTIST, THE ROTMAN RESEARCH INSTITUTE, BAYCREST CENTRE UNIVERSITY OF TORONTO

The Rotman Research Institute of Baycrest Centre invites applications for a Scientist position in Cognitive Neuroscience. This is a full-time research position located at a geriatric centre in Toronto, with eligibility for cross-appointment at the Assistant or Associate Professor level at the University of Toronto. The successful candidate must possess a PhD or equivalent and experience in cognitive psychology, neuroimaging and/or neuropsychological research. The Rotman Research Institute supports behavioral, neuropsychological and neuroimaging studies of memory, attention, and perception, including research on changes in cognitive function that arise from brain damage, disease and/or normal aging, and the development of cognitive rehabilitation strategies. The Rotman Research Institute has state-of-the-art electroencephalography and magnetoencephalography laboratories and a research-dedicated Siemens 3 Tesla MRI in-house at Baycrest. The successful applicant will also become a core member of the Heart and Stroke Centre for Stroke Recovery (HSFCSR). HSFCSR is a virtual organization made up of three leading healthcare centres: Baycrest, Rotman Research Institute and Kluin-Lunenfeld Applied Research Unit (KLARU); Sunnybrook Health Sciences Centre; and the Ottawa Health Research Institute/University of Ottawa, in a unique public-private partnership with the Heart and Stroke Foundation of Ontario. More information about the Rotman and KLARU, including profiles of current Scientists, can be found at [www.rotman-baycrest.on.ca](http://www.rotman-baycrest.on.ca) and at [www.klaru-baycrest.on.ca](http://www.klaru-baycrest.on.ca), respectively. More information about the Heart and Stroke Foundation Centre for Stroke Recovery, can be found at [www.hsfcsr.ca](http://www.hsfcsr.ca)

The Rotman Research Institute welcomes applications from visible minority group members, women, Aboriginal persons, and persons with disabilities. All qualified candidates are encouraged to apply; however, in accordance with Canadian immigration requirements, this advertisement is directed initially to Canadian citizens and permanent residents.

Review of applications will begin on December 1, 2009, and will continue until the position is filled. Applicants should submit a covering letter describing current research interests and future research goals, a complete C.V., relevant reprints and letters sent independently from 3 references to:

Dr. Jennifer D. Ryan  
Cognitive Neuroscience Scientist Search Committee  
The Rotman Research Institute  
Baycrest Centre  
3560 Bathurst St, Toronto, Ontario, M6A 2E1  
Fax (416) 785-2862  
E-mail: [jryan@rotman-baycrest.on.ca](mailto:jryan@rotman-baycrest.on.ca)

### UNITED STATES

#### POSTDOCTORAL POSITION, UNIVERSITY OF MICHIGAN

A Postdoctoral position in the Molecular & Behavioral Neuroscience Institute and the Department of Neurology at the University of Michigan is open immediately as part of a 5 year NINDS funded research program to study how aberrant migration of granule cells in the dentate gyrus region of the hippocampus contributes to mesial temporal lobe epilepsy (mTLE). The project entails using a multidisciplinary approach that combines aspects of molecular genetics (transgenic mice and/or transgene delivery using viral vectors) and electrophysiology. Successful applicants must have a recent Ph.D. or M.D. degree and will have had extensive training in electrophysiology (preferably using an *in vitro* slice preparation) and some familiarity with molecular approaches and/or a background in epilepsy research. Experience with rodent EEG recording considered a plus. Please send (V, brief description of research interests and complete contact information for three references to Dr. Geoffrey G. Murphy ([murphyg@umich.edu](mailto:murphyg@umich.edu))).  
The Molecular & Behavioral Neuroscience Institute  
205 Zina Pitcher Place  
Ann Arbor, MI 48109-0720  
734.763.4235  
734.647.4130 fax

#### POSTDOCTORAL POSITIONS, UNIVERSITY OF ROCHESTER

Two DoD-funded postdoctoral positions are available immediately. Our laboratory uses state of the art optical techniques to gain insights into the mechanisms controlling brain plasticity during normal development and disease. We are currently looking for highly motivated scientists to join our team and pursue two projects: 1. Explore the use of optogenetic tools to affect the progression of seizure activity in *in vitro* and *in vivo*

rodent models; 2. Investigate the effects of neuro-active drugs on the growth and metastasis of brain tumors. The University of Rochester provides an excellent research environment with a large neuroscience faculty and excellent basic and clinical research programs. Rochester is located on the southern shore of Lake Ontario in upstate New York within driving distance of New York City, Toronto and Buffalo and boasts a vibrant arts and cultural life. The Rochester region has been highly ranked for its quality of life and family-friendliness in many different venues. Successful candidates will have a PhD or MD and experience in animal surgery and fluorescence microscopy, as well as demonstrated record of productivity. Candidates interested in the optogenetic project must also have experience in electrophysiology. Salary will follow NIH guidelines. We are especially interested in those candidates who are motivated to develop their independent careers as investigators. Applicants should send their curriculum vitae, list of publications and references, and a letter describing their interests to Ania Majewska ([ania\\_majewska@urmc.rochester.edu](mailto:ania_majewska@urmc.rochester.edu)).

## INTERNATIONAL

### ENDOWED PROFESSORSHIP IN NEUROPHYSICS OR BIOPHYSICS

Department of Physics and Astronomy, Trinity University, San Antonio, TX Trinity University invites applications for the newly-established Williams Endowed Professorship in Neurophysics or Biophysics, to begin in August 2010. This position, along with 3 recently-filled positions (2 senior and 1 junior) in Biology and Psychology, will enrich our undergraduate major in Neuroscience, which has grown from 2 to 40 majors since its inception 4 years ago. The Neuroscience Program at Trinity was established with support from the Howard Hughes Medical Institute ([http://www.trinity.edu/org/hhmi/Curriculum\\_Development/neuroscience\\_major.html](http://www.trinity.edu/org/hhmi/Curriculum_Development/neuroscience_major.html)) and is interdepartmental with 6 faculty from Biology, Psychology and Chemistry, and with this position, will now include Physics. It is a vibrant program with research interests ranging from behavioral psychology to reproductive behavior to the neurochemistry of neurodegenerative disease. Candidates must have (1) a Ph.D. in Physics, or Neuroscience with a strong Physics component, (2) a current tenured position at the rank of Associate Professor or higher, and (3) a distinguished record of teaching and research. The successful candidate will teach both physics and interdisciplinary neuroscience courses, strongly contribute to the degree program in Neuroscience, and establish a program of forefront research that can include participation by highly motivated and capable undergraduates. Candidates in experimental, theoretical, or computational research are all encouraged to apply. The Department of Physics and Astronomy (<http://www.trinity.edu/physics>) has 6 faculty members, and attracts outstanding undergraduates into its program. Active research areas include astrophysics/cosmology, atmospheric physics, dynamics and pattern formation in soft matter and biological systems, nanomaterials/plasmonics, and gravitational-wave detection. The department's majors are among the most talented in the university, and many attend top-ranked graduate

schools. Trinity University (<http://www.trinity.edu>) is an independent, coeducational, selective, primarily undergraduate institution with high quality science, liberal arts, and pre-professional programs. Undergraduate enrollment is about 2500, with students from all areas of the U.S. and many foreign countries. The attractive campus overlooks downtown San Antonio, a large, vibrant city with many cultural opportunities. Applicants must submit a *curriculum vitae*, and detailed statements of experience and interests in both teaching and research (including a description of opportunities for student research participation), and may submit other materials of their choice. Applicants must also arrange to have at least three letters of reference sent to the Search Committee. In order to receive full, first-review consideration, complete application materials and letters of reference should be received at the following address by **December 1, 2009**. Chair of the Search Committee

Endowed Professorship in Neurophysics or Biophysics  
Department of Physics and Astronomy  
Trinity University, One Trinity Place  
San Antonio, TX 78212-72

### POST-DOCTORAL FELLOW POSITION IN BEHAVIOURAL PHARMACOLOGY

*In vivo* pharmacology of ionotropic glutamate receptor (iGluR) ligands. Within the programme of excellence on ionotropic glutamate receptors (iGluRs) at the Faculty of Pharmaceutical Sciences, University of Copenhagen, Denmark ([www.glutarget.ku.dk](http://www.glutarget.ku.dk)), we hereby invite applications for a two year post-doctoral research position starting 1<sup>st</sup> January 2010, or soon thereafter. This position can potentially be extended for one additional year. The programme of excellence is a multidisciplinary programme in structural biology, chemical biology, medicinal chemistry, molecular pharmacology and *in vivo*/*in vivo* pharmacology. iGluRs are critically important for normal brain function. Understanding the structure and function of this receptor family is a prerequisite for explaining the cellular as well as molecular basis for the mechanisms that underlie several essential brain functions including: thought, perception and memory. Furthermore, iGluR dysfunction has severe consequences on normal brain function and is implicated in several neuropathologies, including: schizophrenia, Alzheimer's disease and epilepsy. The project will be conducted in close collaboration with other members of the programme of excellence and external collaborators and involves characterisation of the *in vivo* pharmacology of novel iGluR ligands in rodents in several behavioural experimental models. The ideal candidate is a dedicated and highly skilled person with a PhD in *in vivo* pharmacology or other disciplines dealing with animal models and behavioural analysis. The candidate must be able to work independently as well as in a collaborative research group and is expected to provide incisive input towards the development of the project. Faculty policy requires teaching, which amounts to 5-10 % of the total workload. Teaching duties are within the field of pharmacology and are in English. Candidates may apply before receiving their

PhD degree but must have obtained the PhD degree before the start of the appointment. The position is covered by the terms of the collective agreement between the Danish Ministry of Finance and The Danish Confederation of Professional Associations. Salary is approx. Dkr. 500,000 per annum (approx. US\$ 96,000) which includes pension, vacation, maternity and health care benefits. Foreign applicants are eligible to apply for an income tax reduction. As an equal opportunity employer, the Faculty of Pharmaceutical Sciences invites applications from all interested candidates regardless of gender, age, ethnic origin or religion. For additional information about the project, please contact

assoc. prof. Dr. Darryl Pickering, phone +45 35336331, e-mail: picker@farma.ku.dk.

**No email applications will be considered.**

Please send (in three hardcopies): a current CV, copies of relevant diplomas, a complete list of publications (indicating those articles relevant to the position), two reference letters and a statement of teaching qualifications.

Applications should be sent to: Dr. Darryl Pickering  
Faculty of Pharmaceutical Sciences

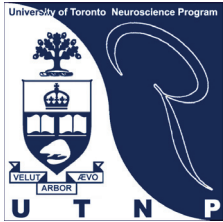
University of Copenhagen

Universitetsparken 2DK-2100 Copenhagen, Denmark

Deadline for applications is: **November 16, 2009.**

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## SUBMISSION & CONTACT INFORMATION



Email: [p.neuroscience@utoronto.ca](mailto:p.neuroscience@utoronto.ca)

Fax: 416-978-8511 Attn: Frazer Howard

Submissions to the newsletter must be made by the 25th of the preceding month.

Previous issues of the newsletter are posted on our website at: <http://www.neuroscience.utoronto.ca/newsletter>

If you no longer would like to receive this newsletter, please contact [p.neuroscience@utoronto.ca](mailto:p.neuroscience@utoronto.ca) with subject line "unsubscribe from UTNP Newsletter"

### UTNP DISTINGUISHED LECTURESHIP SERIES SELECTION COMMITTEE MEMBERS

D.R. Hampson / PHARM. SCI. (Chair)  
M.G. Fehlings / INST. MED. SCIENCE (ex-officio)  
E. Lambe / PHYSIOLOGY  
M. Aarts / CELL & SYSTEMS BIO.  
D. Broussard / PHYSIOLOGY

J. Peever / CELL & SYSTEMS BIOLOGY  
P. Fletcher / PSYCHOLOGY  
Gerold Schmitt-Ulms / LAB. MED. PATHOBIOL.  
Taufik Valiante / INST. MED. SCIENCE  
B. Stefanovic / MEDICAL BIOPHYSICS

### COLLABORATIVE GRADUATE PROGRAM IN NEUROSCIENCE COMMITTEE MEMBERS

D.R. Hampson / PHARM. SCI. (Dir)  
J.O. Dostrovsky / PHYSIOLOGY (Advisor)  
W.M. Burnham / PHARMACOLOGY  
P. Carlen / INST. MED. SCIENCE  
L.F. De Nil / SPEECH LANG. PATHOL.  
Z. Jia / PHYSIOLOGY  
M. Lewis / HDAP  
S. Nag / LAB. MED. PATHOBIOL.

J. Peever / CELL AND SYSTEMS BIOLOGY  
J. Roder / MOL. GENETICS  
B.J. Sessle / DENTISTRY  
M. Shoichet / INST. BIOMAT. & BIOMED. ENG.  
B. Stefanovic / MEDICAL BIOPHYSICS  
W. Trimble / BIOCHEMISTRY  
J.W. Wells / PHARMACY  
J.S. Yeomans / PSYCHOLOGY  
K. Zabjek / REHAB. SCI.