

NEUROSCIENCE NEWSLETTER

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PROGRAM NEWS

NEW CPIN STUDENTS

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

Student Name	Deg.	Supervisor	Department
Marissa Malkowski	MA	Laura-Ann Petitto	Psychology
Shuk Yee Cheng	MSc	Anurag Tandon	IMS
Xin Yan Susan Fan	MSc	Charles Tator	IMS
Meredith Kuipers	MSc	Molly Verrier	Physiology
Emily Lam	MSc	Lucy Osbourne	IMS
Ryan Tong	MSc	James Kennedy	IMS
Paul Luu	MSc	Martin Wojtowicz	Physiology
Irina Lecker	MSc	Beverly Orser	Physiology
Nina Bahl	MSc	Robert Chen	IMS
Krista Rudy	MSc	Yana Yunusova	SLP
Kaja Jasinska	PhD	Laura-Ann Petitto	Psychology
Brittany Matthews	PhD	Jeffrey Meyer	Pharmacology
Ernest Ho	PhD	Frances Skinner	Physiology
Yu-Shan Chiang	PhD	Janice Robertson	LMP

UPCOMING UTNP DISTINGUISHED LECTURES

Please check www.neuroscience.utoronto.ca for updates.

"Functional Genomic Approaches to the Study of Sleep"



ALAN PACK, MB, ChB, PhD, Center for Sleep and Respiratory Neurobiology, University of Pennsylvania School of Medicine
Date: Friday Oct 2, 2009 3pm
Location: Rm 2172, Med Sci Building, University of Toronto

"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



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

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

UTNP RECEPTION AT SFN-2009

We are pleased to announce the University of Toronto Neuroscience Program will again be hosting a reception at the Annual Society for Neuroscience Meeting. All attendees (faculty, students, postdoctoral fellows, technicians, alumni) from UofT and its affiliated organizations are invited.

The reception will be held Sunday October 18, 2009 from 6:30pm – 8:30pm in the Grand Suite 3 of the Hyatt Regency Chicago.

Refreshments and food will be served. We look forward to seeing you there!

For an interactive map of the location please go to: <http://neuroscience.utoronto.ca/events/receptions/sfn09.htm>

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.

ADOLESCENT BRAIN DEVELOPMENT & BEHAVIOUR

A Symposium to Celebrate the 40th Anniversaries of Youthdale Treatment Centres and the Division of Child Psychiatry at the University of Toronto

Program flyer:

<http://neuroscience.utoronto.ca/Assets/UTNP+Digital+Assets/abdab.pdf>

Friday, October 2, 2009

The Grand Hotel & Suites, 225 Jarvis Street, Toronto
Sponsored by Youthdale Treatment Centres and the Division of Child Psychiatry, Department of Psychiatry, Faculty of Medicine, University of Toronto

For Information:

Office of Continuing Education & Professional Development
Faculty of Medicine, University of Toronto

Phone: 416.978.2719/1.888.512.8173

Fax: 416.946.7028

Email: info-psr0972@cmeteronto.ca

Website: www.cme.utoronto.ca

EIGHTH ANNUAL CHARLES TATOR - BARBARA TURNBULL LECTURESHIP SERIES IN SPINAL CORD INJURY

The Krembil Neuroscience Centre and the University of Toronto Neuroscience Program are pleased to present the 8th Annual Charles H. Tator - Barbara Turnbull Lectureship Series in Spinal Cord Injury. This annual presentation features leading researchers in the field of spinal cord injury. We are excited to have **DR. JAMES FAWCETT**, Chairman, Cambridge University Centre for Brain Research as the 2009 Keynote Speaker.

Date: **Friday, October 2, 2009**

Location: Colony Grande Ballroom, 2nd Floor
89 Chestnut University Of Toronto
89 Chestnut Street
Toronto, ON M5G 1R1

Poster Session: 11:00 Am To 1:00 Pm

Lectureship: 1:00 Pm To 5:00 Pm

For more information, please contact Amy Lem at tel: 416-603-5085 or amy.lem@uhnresearch.ca

*The Centre for Research in Neurodegenerative Diseases,
University of Toronto presents:*

THE DIANE CHARLWOOD MEMORIAL LECTURE

"Alzheimer's disease and the ups and downs of amyloid-beta"
DAVID M. HOLTZMAN, M.D.

Andrew & Gretchen Jones Professor & Chair of Neurology,
Washington University School of Medicine;

Associate Director, Alzheimer's Disease Research Center;

Member, Hope Center for Neurological Disorders;

Date: Thursday October 15, 2009

Time: 9:00 a.m.

Place: The Diener Family Seminar & Conference Room (Room 203) Tanz Neuroscience Building, 6 Queen's Park Crescent West, University of Toronto

The University of Toronto Department of Ophthalmology & Vision Sciences presents:

NEXT GENERATION EYE SURGERY, DEVICE & DRUG DELIVERY SYMPOSIUM

Saturday, October 17, 2009

The Sutton Place Hotel

955 Bay Street

Toronto, Ontario, Canada

More information:

http://files.cepdutoronto.ca/support_files/5318/OPT0906_WEB.pdf

Neurosciences & Mental Health (NMH) Research Program at the Hospital for Sick Children presents:

NEURAL STEM CELLS IN DISEASE & REPAIR

Friday, October 23, 2009

Hollywood Theatre (SickKids Auditorium)

Rm 1246 – Elm Wing, 555 University Ave

Please contact Sharon Quilop to RSVP by October 19, 2009

Phone: (416) 813-5756 Email: nmh.events@sickkids.ca

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!

THE FRONTAL LOBES

Baycrest - Berkeley present The Frontal Lobes, 20th Annual Rotman Research Institute Conference

March 22-26, 2010

Poster submission deadline: **November 16, 2009**

Early-bird registration deadline: **December 15, 2009**

For further information go to <http://www.rotman-baycrest.on.ca/index.php?section=5>

UPCOMING NEUROSCIENCE MEETINGS

JOINT MEETING OF THE CANADIAN LEAGUE AGAINST EPILEPSY AND THE CANADIAN EPILEPSY ALLIANCE

October 3-4, 2009

Registration for our 2009 Biennial Canadian Epilepsy Meeting (a joint meeting of the Canadian League Against Epilepsy and the Canadian Epilepsy Alliance) is now open.

Please go to our website to register: www.clae.org

Please be careful to register for the scientific program, the gala dinner and the welcoming cocktail if you want to attend all three

events.

The updated program can be found at the website.

SOCIETY FOR NEUROSCIENCE MEETING 2009

Mark your calendar for Neuroscience 2009, **October 17-21**. View the exciting learning opportunities, professional development, and special events that made Neuroscience 2008 a great success! Don't miss all that Neuroscience 2009 in Chicago, IL has to offer.

Further information can be found on the Neuroscience 2009 website: <http://www.sfn.org/am2009/>

THE PROVINCIAL ACQUIRED BRAIN INJURY CONFERENCE - HARNESSING THE POWER AFTER BRAIN INJURY

October 28 – 30, 2009

Sheraton on the Falls Hotel , Niagara Falls , ON

Keynote Speakers:

Dr. Abe Sniderman

Dr. Byran Kolb

Feature Speakers:

Val Loughheed

Greg Goldberg

More information: www.obia.on.ca

THE NEURO'S 75TH ANNIVERSARY CELEBRATIONS

Registration for The Neuro's 75th Anniversary celebrations is now available online at:

<http://apps.mni.mcgill.ca/MNI75/en/registration.php>

This includes registration for the Pathways of Discovery in Neuroscience Scientific Symposium (**Nov 2 – 3, 2009**) as well as other events and activities – check it out and hope to see you in November!

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 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.

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



FUNDING ANNOUNCEMENTS

ALZHEIMER'S DRUG DISCOVERY FOUNDATION (ADDF) : **Frontotemporal Dementia Drug Discovery Program.** The ADDF and the Association for Frontotemporal Dementias (AFTD) seek to accelerate and support drug discovery for frontotemporal dementia (FTD) and related dementias through this Request for Proposals (RFP). **Deadline for Applications: October 1, 2009.**

FOUNDATION FIGHTING BLINDNESS (PDF) : **CIHR – Institutes of Neurosciences (INMHA) and Genetics (IG) in Partnership with the Foundation Fighting Blindness.** Now is the time to start. You have almost three months to assemble a team and submit the LOI. There is a very good chance of success, offering prolonged high-level funding as well as the extra satisfaction and benefits of collaboration with members of your team. Please contact Bill Stell, Director of Scientific Programs (FFB) to discuss your questions and concerns and to help in any way. Email: dr_bill@ffb.ca **Deadline for Letters of Intent: November 2, 2009.**

POSITIONS AVAILABLE

UNIVERSITY OF TORONTO

ASSISTANT PROFESSOR IN NEUROSCIENCE UNIVERSITY OF TORONTO SCARBOROUGH

The Department of Biological Sciences invites applications for a tenure stream position in Neuroscience. The position is at the rank of Assistant Professor and begins July, 2010. The successful applicant will be expected to establish a strong, externally funded research program and to supervise graduate students. Candidates with demonstrated expertise in cellular and molecular neuroscience are especially encouraged to apply. Preference will be given to candidates whose activities complement the research program of the "Centre for the

Neurobiology of Stress," a multi-user facility that has recently received a major infrastructure award from the Canada Foundation for Innovation to upgrade its live-cell and *in vivo* neuro-imaging facility with state-of-the-art multiphoton, confocal endoscope, spinning disk and single-particle tracking microscopes, as well as laser tweezers/scissors micro-manipulation technology and neurophysiology rigs. Applicants should have postdoctoral experience and strong evidence of excellence in research. The successful candidate will have a strong commitment to excellence in teaching at both the undergraduate and graduate level and the ability to contribute to a planned graduate program in Neuroscience. Salary will be commensurate with qualifications and experience. Further information on the research and teaching activities of the department and CNS can be found at <http://www.utsc.utoronto.ca/~biosci/index.html>.

Applications must include a CV, statements of research and teaching interests and three representative publications. Applications must be submitted online at <http://www.jobs.utoronto.ca/faculty.htm> (Job # 0900629). Applicants should also arrange that letters of reference from three referees familiar with the candidate's research be sent directly to: Professor Greg Vanlerberghe, Chair, Department of Biological Sciences, University of Toronto Scarborough, 1265 Military Trail, Toronto, ON M1C 1A4, Canada or e-mailed to biologygeneral@utsc.utoronto.ca. All materials must be received by Oct 26th, 2009.

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.

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.

<http://hmb.utoronto.ca/index.php?q=node/168>

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).

The Molecular & Behavioral Neuroscience Institute
205 Zina Pitcher Place
Ann Arbor, MI 48109-0720
734.763.4235
734.647.4130 fax

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) 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



SUBMISSION & CONTACT INFORMATION

Email: 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 with subject line "unsubscribe from UTNP Newsletter"

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