



University of Toronto Neuroscience Program Newsletter
September 2011 | Volume 28 | Number 1

UPCOMING DISTINGUISHED LECTURESHIP SERIES 2011-2012

WEDNESDAY, OCTOBER 12TH, 2011



Speaker | Dr. Gail Mandel, Senior Scientist at the Vollum Institute and Professor in the Department of Biochemistry and Molecular Biology in the School of Medicine at Oregon Health Sciences University.

Topic | **The rise and fall of REST: Creating a nervous system**

Host | Dr. James Eubanks

Location | MS 3154, Medical Sciences Bldg University of Toronto

WEDNESDAY, OCTOBER 26TH, 2011



Speaker | Dr. Nicholas P. Franks, Prof of Biophysics and Anaesthetics, Head of Division, Cell & Molecular Biology, Head of Biophysics Section, Blackett Laboratory, Imperial College London

Host | Dr. Richard L. Horner, PhD

Event Co-Sponsor | Sleep & Biological Rhythms Toronto

Topic | **General Anesthesia - molecular and neuronal mechanisms**

Location | PB B250, Pharmacy Bldg University of Toronto

THURSDAY, NOVEMBER 3RD, 2011



Speaker | Dr. Richard Morris, Centre for Cognitive and Neural Systems, University of Edinburgh, UK

Topic | **Memory consolidation: synaptic tagging and schemas**

Host | Dr. Paul Frankland, PhD Senior Scientist, Hospital for Sick Children

Location | MS 3154, Medical Sciences Bldg University of Toronto (TBC)

MONDAY, DECEMBER 12TH, 2011



Speaker | Dr. Michael E. Goldberg
David Mahoney Professor of Brain and Behavior, Director of The Mahoney Center at Columbia University (New York)

Topic | TBA

Host | Dr. Martin J. Steinbach

Location | HS 610, Health Sciences Bldg University of Toronto

TUESDAY, APRIL 24TH, 2012



Speaker | Dr. Keith Cicerone, Dir. Neuropsychology, JFK Johnson Rehabilitation Institute & New Jersey Neuroscience Institute, JFK Medical Center, New Jersey

Topic | Process and outcome of holistic neuropsychological rehabilitation

Host | Dr. Deirdre Dawson

Location | MS 3154, Medical Sciences Bldg University of Toronto (TBC)

CPIN Students must attend 75% of the Lectureship Series each year according to their program (Masters or PhD) requirement.

UTNP Administration



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IN THIS ISSUE

Pg. 1.....	Upcoming Distinguished Lectures
Pg. 2.....	Important Reminder
Pg. 2.....	CPIN Graduates
Pg. 2.....	Undergraduate Q&A / Other News
Pg. 2-4.....	Neuroscience Events & Meetings
Pg. 4.....	Fellowships and Awards
Pg. 4-5.....	Positions Available
Pg. 5.....	Funding Opportunities



University of Toronto Neuroscience Program Newsletter
September 2011 | Volume 28 | Number 1

PHD STUDENTS – IMPORTANT REMINDER

For PhD students who registered for the Collaborative Program in Neuroscience Fall 2010 or later, you must complete one (1) full **core** course in order to fulfill the program requirements. The list to select your core course can be found on the website at:

<http://neuroscience.utoronto.ca/students/requirements/phant-required-courses.htm>

NEW CPIN GRADUATES

Congratulations to the recent graduates of the Collaborative Program in Neuroscience. We wish you all the very best in your future endeavours and thank you for being a part of the neuroscience community at UofT.

Greer Kirshenbaum, PhD., IMS (Supervisor: John Roder)
Laura Donaldson, PhD, IMS (Supervisor: Derek van der Kooy)
Shira Rosenzweig, PhD., Physiology (Supervisor: Martin Wojtowicz)

OPPORTUNITY TO MAKE A DIFFERENCE: UNDERGRADUATES HAVE QUESTIONS FOR YOU

We are inviting Senior Graduate Students and Post Docs to participate in a “Q&A” in mid to late October. You will be on a panel providing your insights and advise to Undergraduates who are exploring the possibilities of Neuroscience Graduate Studies.

We are looking for 6 to 10 volunteers. Please contact the CPIN office if you're interested! Tallie 416-978-8761



RESOURCES AVAILABLE TO BORROW

The CPIN Program Office has DVDs with neuroscience educational material for students to loan on short-term basis. Available are: “The Human Body: How we fail, How we heal,” “Philosophy of the mind,” and “Understanding the brain.”

For more information contact the Program Office at p.neuroscience@utoronto.ca or 416.978.8761

OTHER NEWS:

Announcing the launch of www.sciple.org



This is an interactive neuroscience website developed by neuroscientists at the University of Toronto. Interviews from neuroscientists are analysed to “ViSuAliZe” the future of neuroscience. Interviews with prominent neuroscientists in Toronto and all over the world are being collected asking them what they envisage for the future of neuroscience. The SciPle algorithm parses those interviews and produces a visualization of the most likely future scenario of the neuroscience field. We are also developing algorithms that will allow profiling of neuroscientists on the basis of their interviews and track common views on the current state and future of neuroscience between scientists.

UPCOMING NEUROSCIENCE MEETINGS

THE NEUROSCIENCE & MENTAL HEALTH PROGRAM MINISYMPOSIA SERIES: Molecular pathophysiology of ion channels in neurological disorders

Date | Monday, Sept. 26, 2011

Time | 9am – 12pm

Location | Daniels Hollywood Theatre, The Hospital for Sick Children, 555 University Ave.

Speakers | Dr. Steven Waxman (Yale), Dr. Gerald Zamponi (UCalgary), Dr. Michael Salter (SickKids), Dr. Christine Bear (SickKids), and Dr Carter Snead (SickKids)

REGISTRATION IS FREE & INCLUDES LUNCH.

PLEASE RSVP TO sarah.haslegrave@sickkids.ca or call 416-813-8945

6TH CANADIAN CONFERENCE ON DEMENTIA

Date | October 27-29, 2011

Time | Thursday October 27 Opening remarks at 5:00 pm;

Friday October 28 Opening remarks at 8:00 am.

Description | The 6th CCD organizing committee has put together an exciting program that has attracted a world renowned faculty of national and international speakers, featuring plenary presentations, parallel session updates, and interactive workshops.

Some of the highlights include:



University of Toronto Neuroscience Program Newsletter
September 2011 | Volume 28 | Number 1

Dr. Carol Brayne (University of Cambridge, United Kingdom) will speak on Dementia and our Ageing Populations
A symposium on the newly proposed research diagnostic criteria for Mild Cognitive Impairment by Dr. William Jagust (UC Berkeley's Helen Wills Neuroscience Institute and at the School of Public Health)
Pre-clinical Alzheimer's disease by Dr. Reisa Sperling (Harvard Medical School)
Alzheimer's disease by Dr. Howard Chertkow (McGill University)
Alzheimer Disease Therapy in the Future – What are the Best Bets and Dark Horses presented by Dr. Howard Feldman (Yale University)

Location: Hyatt Regency Hotel, Montreal, Quebec

BIOLOGICAL THERAPEUTICS AND CANCER: BASIC SCIENCE, DEVELOPMENT, DELIVERY, AND CLINICAL EVALUATIONS

Date | Friday, November 4, 2011

Description | an international symposium hosted by the CIHR Biological Therapeutics Training Program. More details available soon.

See:

http://www.utoronto.ca/biotherapeutics_training/

ACQUIRED BRAIN INJURY 2011 PROVINCIAL CONFERENCE

Date | November 2-4, 2011

Location | Sheraton on the Falls Hotel, Niagara Falls, Ontario

Website | www.obia.on.ca

NEUROSCIENCE SCHOOL OF ADVANCED STUDIES (SAN QUIRICO D'ORCIA, ITALY) WWW.NSAS.IT

The Neuroscience School of Advanced Studies is home of residential, intensive Courses, where leading investigators from around the world spend two full weeks discussing upcoming research challenges with a small, highly selected number of participants in the unique atmosphere of the fortified medieval village of San Quirico d'Orcia, all within the most idyllic Tuscan countryside.

The Courses of the Neuroscience School of Advanced Studies are unique. Faculties are undisputed leaders in their own field and intense scientific interaction takes place in a manner that cannot be experienced in a typical conference venue. The walled town lends itself nicely as a self-contained campus to a relaxed yet intense learning experience. This atmosphere spontaneously combines with the Tuscan countryside, with its people and tradition and with the natural thermal spas of Bagno Vignoni, part of the village. The associated art, cultural and wine & gourmet programs are the natural completion of

each Course learning experience.

May 16-28: Endocannabinoids. Coordinator: D. Piomelli (USA)

June 13-25: Neurodegeneration and molecular neuropathology. Coordinator: P.L. Nicotera (D)

July 18-30: Protein misfolding disorders. Coordinator: A. Aguzzi (CH)

September 12-24: Pathophysiology of basal ganglia disorders. Coordinator: A.A. Grace (USA)

October 3-15: Translational research for CNS diseases. Coordinator: G.C. Terstappen (D)

October 24 - November 5: Addictive disorders. Coordinator: G.F. Koob (USA)

SOCIETY FOR NEUROSCIENCE 41ST ANNUAL MEETING, Washington, DC November 12 – 16, 2011



This year's *Society for Neuroscience (SfN) Annual Meeting* is filled with valuable lectures, workshops and events. From new research in the field such as "The Link between Epigenetics and Neuronal Plasticity," "New therapies to deal with Neurodegenerative diseases" and "Neurobiology of mood" to inspiring professional development workshops such as "Balancing Family and Neuroscience," "Mentoring and networking to develop your career," and "Negotiating a Senior Position."

See the Preliminary Program at

<http://www.sfn.org/am2011/index.aspx?pagename=prelim>

TRAVEL GRANTS FOR CPIN STUDENTS

The University of Toronto Neuroscience Program will be able to support 10 non-faculty attendees presenting at the SFN-2011 in Washington D.C. on November 12-16, 2011 with an amount of \$500 CDN each.

The competition is open to Master's/PhD students enrolled in the Collaborative Graduate Program in Neuroscience and Post-Doctoral Fellows.

To apply, complete the [form](#), scan and email to p.neuroscience@utoronto.ca with subject line **UTNP SfN-2011 travel award** or fax it to 416.978.8511

Deadline for submission: **Sept 19, 2011**



University of Toronto Neuroscience Program Newsletter
September 2011 | Volume 28 | Number 1

Winners will be notified by Nov 3, 2011, and the official presentation of the awards will be at the UTPN Reception in Washington D.C. on Nov 14:

Details about the Reception:

http://www.sfn.org/am2011/events/satellite_events.aspx

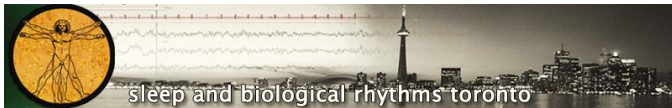
University of Toronto Neuroscience Program Reception
Date & Time: Monday, November 14, 6:30 PM - 8:30 PM
Location: Renaissance Washington DC
Room: Congressional Hall C

REQUEST FOR VOLUNTEERS FOR SfN RECEPTION

The Reception will require some hands of support and it would be wonderful if some of our students could contribute! Please let us know if you would be willing to volunteer at the Reception. Call Tallie at 416-978-8761

FELLOWSHIPS AND AWARDS

OPPORTUNITY FOR FUNDING - GRAD STUDENTS AND POST-DOCS IN NEUROSCIENCE



The Second deadline for funding from the CIHR Team Research and Training Program in Sleep and Biological Rhythms is October 15th 2011. There are funds for at least **5 post-doc awards per year, and 6 graduate awards per year**, each accompanied by an additional **\$3,000 research allowance** and a **\$1,000 travel allowance**.

For FULL application and review details please see the new website at <http://www.utoronto.ca/sleepandrhythms>

Please note:

Any research **teams** engaging in true new collaborative projects incorporating sleep-wake states, sedation and/or biological timing systems into their projects (**in whatever discipline**) are eligible to apply. No boundaries, just new science of high impact.

The vision of the program is that in 5 years time there will be more faculty and trainees incorporating some component of their research in these important areas, addressing fundamental questions in biology, physiology, medicine and health care. If the big picture questions are addressed, this will lead to effective new collaborations, funded projects, major publications and new capacity for research, education and knowledge transfer.

Details: The application procedure is straightforward and short, but requires planning. In the first instance it is estimated that three post-doctoral awards will be available in the February competition, and two in the October competition (i.e., a total of 5 post-doc awards per year). Three graduate student awards will be available in each competition (i.e., a total of 6 graduate awards per year). Each stipend will also be accompanied by an additional \$3,000 research allowance to foster new research in the collaborating laboratories, and a \$1,000 travel allowance from the Program. Trainees have access to world-class infrastructure for molecular, cellular and behavioural analyses in animal models and humans. Supervisor top-up of salary to set levels is expected (all details are on the website). (5) The website is designed to be fully transparent, with all the details of the objectives of the program, eligibility to apply, application forms, how the applications will be reviewed, the reviewer forms, and how the funds will be distributed. (6) There are also funds available to support a total of **ten visits** from prominent researchers per year (**\$1,000 per visit**). Please see website for details ('funds' page).

Info: <http://www.utoronto.ca/sleepandrhythms/>

E-mail all queries to **Rhiannon Davies, Program Coordinator** at sleep.rhythms@utoronto.ca

POSITIONS AVAILABLE

CANADA



Postdoctoral training position available for research in the cellular and molecular biology of sensory receptor cells.

Candidates should have prior experience in functional imaging at the cellular level (e.g., Fura2 imaging) or electrophysiological recording, and publications/presentations vouching for this experience. The project will involve sophisticated new imaging methodologies that combine confocal Ca imaging with electrophysiology to study fundamental mechanisms in chemoreception. **Please contact Dr. Stephen Roper, Professor of Physiology & Biophysics, sroper@med.miami.edu** for further details



University of Toronto Neuroscience Program Newsletter
September 2011 | Volume 28 | Number 1



Research Scientist in Stroke Rehabilitation

The Heart and Stroke Foundation Centre for Stroke Recovery (CSR) is made up of some of Canada's foremost healthcare centres: Sunnybrook Health Sciences Centre, Baycrest (including the Rotman Research Institute and the Kunin-Lunenfeld Applied Research Unit), the University of Ottawa (uOttawa) and the Ottawa Hospital Research Institute (OHRI). The CSR was formed to allow experts in stroke, working in different locations, to share knowledge and collaborate on research initiatives. Leading the CSR is Scientific Director and CEO Dr. Dale Corbett. The CSR's goal is to become the world's preeminent research centre focused exclusively on exponential advances in stroke recovery.

At the Sunnybrook Health Sciences Centre site of the Heart and Stroke Foundation Centre for Stroke Recovery (CSR), led by Site Director Dr. Sandra Black and Associate Site Director Dr. William McIlroy, we are currently seeking a Research Scientist position in Stroke Rehabilitation, with specific interest in neuroimaging analysis - techniques for structural or functional MRI and in developing and evaluating neurorehabilitation interventions. The successful candidate will engage in a research program focused on basic and/or applied research to advance the development and evaluation of imaging, cognitive and/or physical rehabilitation techniques applied to overt stroke and covert cerebrovascular disease. The successful applicant will provide a linkage between applied and basic research by developing collaborations with Clinical Scientists and Neuroscientists at Sunnybrook Health Sciences Centre, and with CSR scientists at Baycrest and the University of Ottawa/Ottawa Health Research Institute.

More information about the Heart and Stroke Foundation Centre for Stroke Recovery can be found at www.heartandstroke-centrestrokerecovery.ca

FUNDING OPPORTUNITIES

FOX FOUNDATION FOR PARKINSON'S RESEARCH, MICHAEL J.

– Call for Submissions:

Biomarker Development

LRRK2 Challenge

Dyskinesia Challenge - Identification and Testing of Novel Targets

Deadline for Submissions: Continuous

http://www.michaeljfox.org/research_openFundingPrograms_program.cfm?ID=7

CIHR FUNDING OPPORTUNITIES – various

<http://www.researchnet-recherchenet.ca/rnr16/search.do?fodAgency=CIHR&fodLanguage=E&all=1&search=tru>

NATIONAL INSTITUTES OF HEALTH (NIH) – Requests for Applications and Program Announcements:

<http://grants.nih.gov/grants/guide>

NIDCD Research On Hearing Health Care (R21/R33):

Deadline: October 31, 2011

[http://grants.nih.gov/grants/guide/Therapeutics for Neurotropic Biodefense Toxins and Pathogens \(R21/R33\):](http://grants.nih.gov/grants/guide/Therapeutics%20for%20Neurotropic%20Biodefense%20Toxins%20and%20Pathogens)

Deadline: October 24, 2011

SUBMISSION & SUBSCRIPTION INFORMATION If you would like to subscribe to the RSS feed for up-to-date information weekly, please point your reader at the following urls: News | <http://neuroscience.utoronto.ca/Page745.rss> | Seminars | <http://neuroscience.utoronto.ca/Page744.rss> | Conferences | <http://neuroscience.utoronto.ca/Page861.rss> Email: p.neuroscience@utoronto.ca | Fax: 416-978-8511 Attn: UT Neuroscience Program Newsletter Submissions to the newsletter must be made by the 25th of the previous month. Previous issues of the newsletter are posted on our website at: <http://www.neuroscience.utoronto.ca/newsletter> To unsubscribe, please email p.neuroscience@utoronto.ca with subject line "unsubscribe from UTNP Newsletter"