



University of Toronto Neuroscience Program Newsletter
April 2011 | Volume 27 | Number 8

Distinguished Lectureship Series



Date | April 14, 2011 ~ Held during CPIN Poster Day
Time | 11:30am - 12:30pm
Topic | **When Good RNAs Go Bad - FXTAS as a Paradigm for Neurodegenerative Disorders**
Location | Medical Sciences Building Room 3154 – U of T
Speaker | **DR. PAUL HAGERMAN** - UC at Davis and the Mind Institute
Host | Dr. David Hampson

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



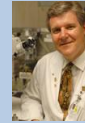
We are now accepting submissions for the 2011-2012 Distinguished Lectureship Series. Please submit your nominations here:
<http://neuroscience.utoronto.ca/events/lectureship/DistinguishedLectureshipNominations.htm>

CPIN POSTER DAY – Thursday, APRIL 14th

Abstracts are due by April 1st – please click here to submit your abstract:
http://neuroscience.utoronto.ca/students/posterday/Neuroscience_Poster_Day_2011_Submission.htm
We are also still looking for judges: interested faculty and post-docs please email:
p.neuroscience@utoronto.ca

8:45-9:15	Registration (free); Poster set up Medical Sciences Building, Stone Lobby
9:15-11:15	Poster Judging Medical Sciences Building, Stone Lobby
11:30-12:30	UTNP Distinguished Lecture Dr. Paul Hagerman Professor , Department of Biochemistry and Molecular Medicine, School of Medicine Director, NeuroTherapeutics Research Institute (NTRI) UC at Davis and the Mind Institute Lecture Topic: <i>When Good RNAs Go Bad - FXTAS as a Paradigm for Neurodegenerative Disorders</i> Medical Science Building – Room 3154
12:45-2:00	Pizza Lunch – Poster Viewing Medical Sciences Building, Stone Lobby
2:30	Cleanup of poster boards

UTNP Administration



Michael G. Fehlings - Director, UTNP



David R. Hampson - Director, CPIN Graduate Studies

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UTNP CAN MEETING BUS SPONSORSHIP

May 29 - June 1, 2011 - Quebec City Convention Centre



Did you know that a greyhound bus fare from Toronto to Quebec City can cost upwards of \$300!

UTNP is proud to sponsor a bus to take conference participants to Quebec City. We have approximately 25 spots left so please register soon to take advantage of this fantastic opportunity:

http://neuroscience.utoronto.ca/students/2011_CAN_Meeting_Bus_Registration.htm

NEW CPIN STUDENTS

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

Name	Degree	Department	Supervisor
Christine You Jin Bae	MSc	Physiology	Zhong-Ping Feng
Andrew Barszczyk	PhD	Physiology	Zhong-Ping Feng
Michael Deighton	MSc	Institute of Medical Science	Karen A Gordon
Min Lang	MSc	Physiology	James Eubanks
Quan Yi	MSc	Physiology	Zhong-Ping Feng

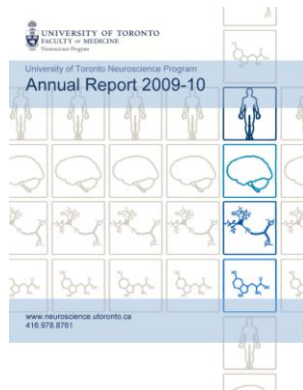
NEW FACULTY MEMBERS

We would like to welcome the following faculty who have recently joined the UTNP

Name	Department	Location
Jason Lerch, PhD	Medical Biophysics	Hospital for Sick Children
Jed Meltzer, PhD	Psychology	Rotman Baycrest
Alan Fung, MD, MPhil, ScM, FRCPC	Psychiatry	North York General Hospital

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. **CPIN students must complete all the Collaborative Program requirements to receive the notation.** Please inform the office of your mailing address and thesis title. If you have transferred from a Master's degree to a PhD, please notify the CPIN office.



UTNP Annual Report

The 2009-2010 UTNP Annual report is now ready to be downloaded for viewing at:

<http://neuroscience.utoronto.ca/communications/annualreports.htm>

UTNP is happy to announce the sponsorship of the Science and its Publics Seminar that occurred on March 14th –



please view the webcast here:

<http://mediacast.ic.utoronto.ca/20110314-CCEPA/main.htm?layout=videoright&ty#>



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NEUROSCIENCE NEWS

BRAIN'S LEARNING ABILITY SEEMS TO RECHARGE DURING LIGHT SLUMBER

Your brain's ability to learn may get recharged during the light, dreamless slumber that accounts for up to half of your night's sleep, according to a new study.

Researchers at the University of California, Berkeley conducted tests on 44 healthy young adults and found strong evidence that bursts of brain waves called sleep spindles may network between important regions of the brain to clear a path to learning.

Full Article | <http://www.doctorslounge.com/index.php/news/hd/18401>

FIRST CLINICAL TRIAL OF HUMAN EMBRYONIC STEM CELL THERAPY IN THE WORLD BEGINS

Human embryonic stem cell therapy is being tried on a human for the first time in a new clinical trial. This is the first clinical trial of its kind in the world.

The first patient is reported as a patient in an Atlanta spinal cord and brain injury rehabilitation hospital. The patient's injuries were between 7-14 days old when the first injections were given. To take part in the study, the patient had to have suffered a spinal or brain injury that resulted in paralysis from the chest down.

This patient has been injected with cells derived from human embryonic stem cells obtained from a fertility clinic. Researchers are optimistic this human embryonic stem cell therapy will not only help alleviate the symptoms of the injury, but permanently repair the damage that caused the paralysis from the spinal cord injury.

This is a huge step for regenerative medicine, embryonic stem cell research, spinal cord and brain injury therapy and science in general.

Full Article | <http://neurosciencenews.com/first-clinical-trial-embryonic-stem-cell-therapy-begin/>

TOBACCO SMOKING IMPACTS TEENS' BRAINS, STUDY SHOWS

ScienceDaily — Tobacco smoking is the leading preventable cause of death and disease in the U.S., with more than 400,000 deaths each year attributable to smoking or its consequences. And yet teens still smoke. Indeed, smoking usually begins in the teen years, and approximately 80 percent of adult smokers became hooked by the time they were 18. Meanwhile, teens who don't take up smoking usually never do.

Full Article | <http://www.sciencedaily.com/releases/2011/03/110302152820.htm>

A BETTER WAY TO REGENERATE LOST TISSUE TO TREAT CONDITIONS LIKE HEART DISEASE AND STROKE

In the past few months, a slew of papers have indicated that the therapeutic potential of a promising type of stem cell, called induced pluripotent stem (iPS) cells, might be limited by reprogramming errors and genomic instability. iPS cells are engineered by reprogramming fully differentiated adult cells, often skin cells, back to a primitive, embryonic-like state. Given these problems, a team of researchers at Sanford-Burnham Medical Research Institute (Sanford-Burnham), Chung-Ang University in Korea, the University of British Columbia, Harvard Medical School and elsewhere wondered if there might be a better way to regenerate lost tissue to treat conditions like heart disease and stroke. Writing March 4 in the Proceedings of the National Academy of Sciences, they outline a method to obtain a new kind of stem cell they call "induced conditional self-renewing progenitor (ICSP) cells."

With the addition of a single gene, the team instructed neural progenitor cells - a type of brain cell that can generate other types of brain cells - to self-renew in a laboratory dish. Once they had enough, the researchers moved the ICSP cells to a rodent stroke model, where the cells stopped proliferating, started differentiating and improved brain function.

Full Article | <http://www.medicalnewstoday.com/articles/218480.php>

FIRST-OF-ITS-KIND STUDY SHOWS BENEFITS OF ELECTRICAL STIMULATION THERAPY FOR PEOPLE PARALYZED BY SPINAL CORD INJURY

A new treatment approach which uses tiny bursts of electricity to reawaken paralyzed muscles "significantly" reduced disability and improved grasping in people with incomplete spinal cord injuries, beyond the effects of standard therapy, newly published research shows.

In a study published online in the journal *Neurorehabilitation and Neural Repair*, Toronto researchers report that functional electrical stimulation (FES) therapy worked better than conventional occupational therapy alone to increase patients' ability to pick up and hold objects. FES therapy uses low-intensity electrical pulses generated by a pocket-sized electric stimulator.

"This study proves that by stimulating peripheral nerves and muscles, you can actually 'retrain' the brain," said the study's lead author, Professor Milos Popovic of the Institute for Biomaterials and Biomedical Engineering, a Senior Scientist at Toronto Rehab and head of the hospital's Neural Engineering and Therapeutics Team. "A few years ago, we did not believe this was possible."

Full Article | <http://www.news.utoronto.ca/health-and-medicine/first-of-its-kind-study-shows-benefits-of-electrical-stimulation-therapy-fo.html>



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GENETIC MUTATIONS IN BRAIN TUMORS COULD TURN OUT USEFUL

Scientists have discovered genetic mutations in brain tumors that alter brain tumor metabolism.

The scientists report that cells with defective IDH1 or IDH2 genes had over 100 more metabolites with altered concentrations than cells without defective IDH1 or IDH2 genes.

One such metabolite is the very common brain metabolite, N-acetyl-aspartyl-glutamate, or NAAG. Concentration levels of NAAG were 50 times less in cells with IDH1 defective genes.

Armed with this research, scientists may be able to improve identification and targeting of brain tumors and move closer toward controlling tumor growth by manipulating cellular metabolism with genetics. These advances could in turn lead to much more effective brain tumor drugs and treatment.

Full Article | <http://neurosciencenews.com/genetic-mutations-brain-tumors-useful-idh1-idh2-genes/>

MULTIPLE SCLEROSIS BLOCKED IN MOUSE MODEL: BARRING IMMUNE CELLS FROM BRAIN PREVENTS SYMPTOMS

ScienceDaily - Scientists have blocked harmful immune cells from entering the brain in mice with a condition similar to multiple sclerosis (MS).

According to researchers from Washington University School of Medicine in St. Louis, this is important because MS is believed to be caused by misdirected immune cells that enter the brain and damage myelin, an insulating material on the branches of neurons that conduct nerve impulses.

New insights into how the brain regulates immune cell entry made the accomplishment possible. Washington University scientists had borrowed an anti-cancer drug in development by the company ChemoCentryx simply to test their theories.

"The results were so dramatic that we ended up producing early evidence that this compound might be helpful as a drug for MS," says Robyn Klein, MD, PhD, associate professor of pathology and immunology, of medicine and of neurobiology. "The harmful immune cells were unable to gain access to the brain tissue, and the mice that received the highest dosage were protected from disease."

Full Article | <http://www.sciencedaily.com/releases/2011/03/110307103652.htm>

GLAXOSMITHKLINE, VALEANT'S EPILEPSY DRUG TROBALT APPROVED IN EUROPE

GlaxoSmithKline and Valeant Pharmaceuticals announced Tuesday that European regulators approved Trobalt (retigabine) as an adjunctive treatment of partial onset seizures with or without secondary generalisation in adults with epilepsy, marking the first authorisation for the product.

The decision followed a [positive opinion](#) from the European Medicines Agency's Committee for Medicinal Products for Human Use in January, and was based on clinical data showing that more patients with partial onset seizures saw a reduction of 50 percent or more in seizure frequency compared to placebo when they received Trobalt in addition to their current therapy regimen.

[More | Firstwordplus.com Article](#)

U OF T NEUROSCIENCE EVENTS AND SEMINARS

Date | Wednesday April 6, 2011

Time | 12:15pm - 1:30pm

Topic | Frank Lloyd Wright's Fallingwater: A case study in Inside-the-Box Creativity

Location | Sidney Smith Hall, Room 3130 (3rd floor), University of Toronto St. George Campus, 100 St. George St.

Speaker | Dr. Robert Weisberg Temple University

Host | Ebbinghaus Empire Meetings | Department of Psychology University of Toronto

Date | Thursday, April 7, 2011

Time | 8:00 - 9:00 am

Topic | Albumin for Acute Ischemic Stroke

Location | Main Auditorium, 2 West Wing, Room 401 TWH

Speaker | Dr. Michael D. Hill, MD MSc FRCPC | University of Calgary, Associate Dean (Clinical Research), Faculty of Medicine

Director Stroke Unit, Calgary Stroke Program Dept Clinical Neurosciences & Hotchkiss Brain Institute Institute Foothills Medical Center

Host | Krembil Neuroscience Program Grand Rounds

Date | Thursday, April 7th, 2011

Time | 6:30 pm - 8:00 pm

Topic | How do children learn from others: Imitation, observation and learning how the world works

Location | OISE - 252 Bloor St. West, Ground Floor Library

Speaker | Dr. Alison Gopnik | Child Study Center, University of California at Berkeley and author of The Philosophical Baby

Host | 2011 Leighton G. McCarthy Memorial Lecture | Dr. Eric Jackman Institute of Child Study

Please reserve your seat(s) for this free, public event by calling Jeannie Tam: 416-934-4526, jeannie.tam@utoronto.ca

Date | Monday, April 11, 2011

Time | 12:00pm

Topic | A treatment for Huntington's disease: is a lipid the answer?

Location | Room 7105, Elm Wing, Hospital for Sick Children



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Speaker | Dr. Simonetta Sipione, AHFMR Scholar and Canada Research Chair in "Neurobiology of Huntington's Disease", Department of Pharmacology, University of Alberta
Host | Dr. Joan Boggs, jmboggs@sickkids.ca | INFECTION & IMMUNITY RESEARCH IN PROGRESS Seminar Series

Date | Monday, April 11, 2011
Time | 3:30 p.m.

Topic | fMRI, the Brain, and Neurovascular "Uncoupling"
Location | Loftus Hall, Ground/Main floor, Apotex Centre, JHA
Speaker | Dr. David Mikulis, Professor and Co-Director of Medical Imaging Research, Department of Medical Imaging, Division of Neuroradiology | The University Health Network | TWH
Host | Rotman Rounds

Date | Thursday April 14, 2011
Itinerary | CPIN Poster Day
8:45-9:15 | Registration (free); Poster set up Medical Sciences Building, Stone Lobby
9:15-11:15 | Poster Judging Medical Sciences Building, Stone Lobby
11:30-12:30 | UTPN Distinguished Lecture
Topic | When Good RNAs Go Bad - FXTAS as a Paradigm for Neurodegenerative Disorders
Location | Medical Sciences Building Room 3154 - UofT
Speaker | Dr. Paul Hagerman UC at Davis and the MIND Institute
Host | Dr. David Hampson | UTPN Distinguished Lecture
12:45-2:00 | Pizza Lunch – Poster Viewing Medical Sciences Building, Stone Lobby
2:30 | Cleanup of poster boards

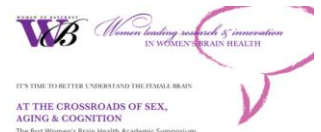
Date | Friday, April 15, 2011
Time | 1:30 - 2:30
Topic | Amyloid beta resistance and the Warburg effect: re-examining Alzheimer's disease from a cancer perspective
Location | Room 1527, Hill Wing, HSC
Speaker | Dr. Robert Cumming, Department of Biology University of Western Ontario
Host | Dr. John Brumell PROGRAM IN CELL BIOLOGY SEMINAR SERIES | THE HOSPITAL FOR SICK CHILDREN

Date | April 29, 2011
Time | 1:00pm
Topic | TBA
Location | Main Auditorium WW 2-401 TWH
Speaker | Dr. Stefan Lohmander, Department of Orthopaedics University Hospital in Lund, Sweden
Host | Dr. Aileen Davis | Toronto Western Research Institute Visiting Speaker Series

UPCOMING NEUROSCIENCE MEETINGS

CONFERENCE | THE 1ST WOMEN'S BRAIN HEALTH SYMPOSIUM

Date | April 6, 2011
Location | The Glenn Gould Studio CBC Building 250 Front Street West Toronto, Ontario, Canada



http://email.womenofbaycrest.com/event_10/index.html

CONFERENCE | ISAD 2011 REGIONAL CONFERENCE TORONTO: MOOD DISORDERS - NEUROSCIENCE TO TREATMENT

Dates | April 8-9, 2011
Location | Toronto Marriott Downtown Eaton Centre Hotel, 525 Bay Street, Toronto, Ontario M5G 2L2 Canada
Host | International Society for Affective Disorders & Canadian Network for Mood and Anxiety Treatments
Website | www.isad.org.uk

CONFERENCE | HEALTH INNOVATION AND LEADERSHIP COURSE

Date | April 14th, 2011
Location | 6th Floor Auditorium, Dalla Lana School of Public Health - 155 College Street
Register | <http://www.facmed.utoronto.ca/InnovationsCourse>
Flyer | [Download Here](#)

CONFERENCE | THE FIRST MEETING OF THE INTERNATIONAL SCHOOL OF CLINICAL NEUROANATOMY

Date | May 25-27, 2011 - Deadline for registration and abstract submission is 15 April 2011
Location | Palermo, Sicily
Theme | The clinical neuroanatomy of the Frontal Lobes
Topics cover comparative anatomy, cytoarchitectonic maps, connective anatomy, executive functions, intra-operative mapping, consciousness, fronto-temporal dementia, motor neuron disease, traumatic brain injury, memory and confabulation, neuropsychological testing, virtual tractography dissections and epilepsy.
Website | <http://www.isocn.eu>



CONFERENCE | ADVANCES IN CEREBRAL PALSY - CELL TO PERSON SYMPOSIUM

Date | Friday May 13th, 2011
Location | Holland Bloorview Holland Bloorview Kids Rehabilitation Hospital 150 Kilgour Road, Toronto, Ontario, Canada



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Register | <https://gmhost1.gomembers.com/clients/t-bmcc/etrakwebapp/meetings.aspx>

CONFERENCE | XXVTH INTERNATIONAL SYMPOSIUM ON CEREBRAL BLOOD FLOW, METABOLISM, AND FUNCTION & XTH INTERNATIONAL CONFERENCE ON QUANTIFICATION OF BRAIN FUNCTION WITH PET

Dates | May 24-28, 2011

Location | Barcelona, Spain

Website | <http://www2.kenes.com/brain/Pages/Home.aspx>

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Date | May 25-27, 2011 - Deadline for registration and abstract submission is 15 April 2011

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Website | <http://www.isocn.eu>

CONFERENCE | INTERNATIONAL NEUROETHICS

CONFERENCE BRAIN MATTERS II

Theme | Ethics in the Translation of Neuroscience Research to Psychiatric and Neurological Care

Dates | May 26-27 2011

Location | Montréal, Québec, Canada

Call for abstracts forthcoming

Contact | neuroethics@ircm.qc.ca

CONFERENCE | THE 5TH ANNUAL CANADIAN ASSOCIATION OF NEUROSCIENCE MEETING

Date | May 29-June 1, 2011

Location | Québec City Convention Centre

Special Guest Speakers | Bert Sakmann - Max Plank Florida Institute | William T. Newsome - Stanford University | Fred H. Gage - Salk Institute for Biological Studies

Website | <http://www.canmeeting.ca/> | Registration opens on March 1st

CONFERENCE | BRAIN & BEHAVIOUR DAY SYMPOSIUM

Date | June 2nd, 2011 - 8:00 am -4:30pm

Location | Old Mill, Toronto

Theme | Neural Networks of the Brain: Structure, Function and Dysfunction

Speakers |

1. Olaf Sporns, PhD – Department of Psychological and Brain Sciences, Indiana University Bloomington, Indiana, USA.

2. Stephen Strother, PhD - Senior Scientist, Rotman Research Institute, Baycrest, Toronto.

3. Sam Dosburg, PhD – MEG Clinical Associate, Diagnostic Imaging, and Program in Neurosciences & Mental Health, SickKids, Toronto

4. Vinod Menon, PhD – Department of Psychiatry and Behavioural Sciences, Department of Neurology and Neurological Sciences, Program in Neuroscience, Stanford University Medical School, Stanford, California.

5. Paul Frankland, PhD – Senior Scientist, Program in Neurosciences & Mental Health, SickKids, Associate Professor, Department of Physiology, University of Toronto, Canada Research Chair - Cognitive Neurobiology.

6. Steven Laureys MD, PhD - Clinical Professor and Senior Research Associate at the Belgian National Fund of Scientific Research (FNRS), Belgium.

Website | [Centre for Brain and Behaviour](#)

CONFERENCE | INTERNATIONAL SYMPOSIUM ON NEUROBIOLOGY

Date | June 2, 2011

Location | Ben Sadowski Auditorium - 18th Floor Mount Sinai Hospital

Keynote Speakers | Arturo Alvarez-Buylla, University of California, San Francisco, CA, USA

Silvia Arber, University of Basel, Basel, Switzerland | Robert Darnell, The Rockefeller University, New York, USA | Liqun Luo, Stanford University, Stanford, CA, USA | John Flanagan, Harvard Medical School, Boston, MA, USA | Antoine Triller, Institut National de la Sante del la Recherche Medicale, Paris, France | Oliver Hobert, Columbia University Medical Centre, New York, NY, USA

Agenda | [download here](#).

CONFERENCE | FICCDAT: THE FESTIVAL OF INTERNATIONAL CONFERENCES ON CAREGIVING, DISABILITY, AGING AND TECHNOLOGY

Date | June 5-8, 2011

Location | The Sheraton Centre Toronto Hotel - Toronto

Theme | 2nd Advances in Neurorehabilitation

Keynote Speakers | Bruce H. Dobkin, MD, FANA, FRCP, Professor of Neurology | Director, Neurologic Rehabilitation and Research Program, University of California Los Angeles, Geffen School of Medicine, Reed Neurological Research Center

John Whyte, MD, PhD | Director, Moss Rehabilitation Research Institute, Philadelphia, USA | Principal Investigator of the Neuro-Cognitive Rehabilitation Research Network |



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Professor of Rehabilitation Medicine at Thomas Jefferson University

Julius P. A. Dewald, PT, PhD, Associate Professor and Department Chair, Physical Therapy and Human Movement Sciences, Northwestern University | Associate Professor, Physical Medicine & Rehabilitation, Biomedical Engineering, Northwestern University

Website | <http://www.ficcdat.ca/> | Early Bird Registration ends on April 15th

CONFERENCE | 2011 INTERNATIONAL CONFERENCE ON BRAIN INJURY IN CHILDREN

Dates | July 12-14, 2011

Topics | Pre-and Peri-natal brain injury, Non-accidental brain injury, Head injury in sport, Management of severe traumatic brain injury, Non-traumatic causes of brain injury, Neurorehabilitation

Location | The Four Seasons Hotel, 21 Avenue Road, Toronto, Canada

Website | www.sickkidsbrainconference.ca

CONFERENCE | 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)

TRAINEE FUNDING

THE 2011 FRIST-JUS ANNUAL MEMORIAL AWARD IN NEUROPSYCHOPHARMACOLOGY (INCLUDING NEUROTRANSMITTER AND NEURORECEPTOR RESEARCH)

Applications are invited from U of T graduate students doing research in neuropsychopharmacology (including neurotransmitter and neuroreceptor research) for the 2011 Frist-Jus Annual Memorial Award of approximately \$3,000. The annual Award was established by Dr. Karolina Jus in memory of her parents, Dr. Juliusz and Dorota Frist, and her only sister, Zofia (Zosia) Frist, victims of the Holocaust in World War II, and in memory of her husband, Dr. Andrzej Jus, and his parents, Professor Ludwik and Professor Estelle Jus, heroes of resistance in the time of the Holocaust. The Award is made annually on April 22nd. The gift for the annual Frist-Jus Memorial Award Endowment was matched by similar contributions from the University of Toronto and the Ontario Student Opportunity Trust Fund. Previous awardees were: T. Tallero, Y. Pak, G. Novak, S. Laviolette, P. Turrone, J. Yeung, V. Caraiscos, P. McCormick, C. So, and A. Zurek. The Committee assesses research performance and the student's financial need. The deadline for receipt of documents is 5 PM, Wednesday, April 7, 2011. Send letter, résumé, the completed financial needs assessment form (the Ontario Student Opportunity Trust Funds [OSOTF] Financial Needs Assessment Form can be obtained online through the University of Toronto web site, or using Google), a one-page pdf summary of the research project (or a reprint, as a pdf) to Philip Seeman, Frist-Jus Award Committee Chair (Philip.Seeman@utoronto.ca).

THE 2011 JULIUSZ, DOROTA AND ZOFIA (ZOSIA) FRIST MEMORIAL PRIZE IN NEUROPSYCHOPHARMACOLOGY

This prize is awarded annually to a young scientist under the age of 35 years who is an author or major co-author of an outstanding published paper in neuropsychopharmacology (including neurotransmitter or receptor research) while a student or Postdoctoral Fellow at the U of T. The annual prize

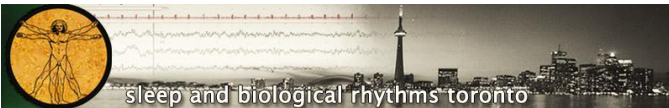


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of \$1,500 was endowed by Dr. Karolina Jus in memory of her parents, Dr. Juliusz and Dorota Frist, and her only sister, Zosia Frist, victims of the Holocaust. This family history is described in the book "Our Journey in The Valley of Tears" by Andrzej & Karolina Jus (U of T Press, 1991). The prize and a copy of the book are awarded annually on April 22nd (Additional funds for travel are not provided.) The selection of the awardee is made by a three-person committee chaired by a Professor specializing in neurotransmitter and neuroreceptor research who has an appointment in the University Department of Psychiatry.

Previous awardees were: R. Sunahara, G. Ng, S. Kapur, Z. Jia, J. Elmhurst, S. Lee, A. Wong, C. Dockstader, P. Park, A.-C. Bedard, D. Kuang, D. Ng, I. Boileau, and Laura Tan. Please send nomination before 5 PM, April 7, 2011, by e-mail, attaching a curriculum vitae (as a pdf) and a pdf of the published paper to: Dr. Philip Seeman, Frist Memorial Prize Committee Chair, University of Toronto (Philip.Seeman@utoronto.ca).

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



(1) 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**.

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

(3) Please note:

(i) 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.

(ii) 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.

(iii) 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.

(4) **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).

Richard L. Horner, PhD

Canada Research Chair in Sleep and Respiratory Neurobiology
Departments of Medicine and Physiology
Director, CIHR Team Research and Training Program in Sleep and Biological Rhythms Toronto

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

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

CALL FOR APPLICATIONS FOR 2011-12 CIHR FELLOWS IN PUBLIC HEALTH POLICY

The CIHR Strategic Training Program in Public Health Policy provides an exciting opportunity for Fellows to become actively involved in the complex tasks demanded by public health policymaking. The primary objectives of the training program are: 1. To build capacity in public health policy research and practice; 2. To provide Fellows and Mentors with an environment and resources that support learning across disciplines and substantive areas; 3. To foster collaborative research among Mentors and with Fellows; and 4. To contribute to more effective public health policy through collaborations with government and voluntary-sector public health policy leaders. Fellows will acquire the necessary knowledge, skills and experience related to public health policy through the following program components: • Fellowships • Required courses in public health policy • Monthly public health policy rounds • Annual training



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institutes • Training and Research Pods • Executive exchanges and interchanges • Public health policy action teams • Public forums and/or other knowledge exchange activities with the community

Eligibility criteria: • Acceptance in a graduate-level program in a Department, School or Faculty at the University of Toronto, or post doctoral position at the University of Toronto or affiliated research unit/hospital • An existing or proposed training and research focus in public health policy Annual stipends: • Masters level Fellows: up to \$17,850, renewable for up to one additional year • Doctoral level Fellows: up to \$17,850, renewable for up to three additional years • Post doctoral Fellows: up to \$36,750, renewable for up to one additional year • Fellows already receiving funding from other sources may receive STIHR funding up to \$2000. For additional information about the program and on becoming a CIHR Fellow in Public Health Policy please visit our website at: www.publichealthpolicy.utoronto.ca OR contact us by email at: publichealthpolicy@utoronto.ca

Deadline: Friday April 15, 2011

POSITIONS AVAILABLE

UNIVERSITY OF TORONTO &
AFFILIATED INSTITUTIONS

LECTURER SOUGHT FOR VISION SCIENCE AND OCULOMOTOR TEACHING IN DEPT OF PHYSIOLOGY.

The Dept of Physiology is looking for (a) teacher(s) for 6 hours in the fall term and 8 hours in the winter term of 2011-12. The fall term would be in November 2011 and the winter term would be end of January to mid-February 2012. Lecturer will teach in the joint graduate/undergraduate Systems Neuroscience course PSL440/JNS1000Y. Topics in the fall are vision sensory, including retina and light transduction as well as central processing of visual signals. The winter term would cover vestibular, and oculomotor systems as well as cerebellar control of these systems. Other topics welcome. Please contact WD Hutchison for more information.

whutch@uhnres.utoronto.ca

2 YEAR POST-DOCTORAL FELLOWSHIP POSITION AT THE HOSPITAL FOR SICK CHILDREN AND THE UNIVERSITY OF TORONTO

Applications are being accepted for a 2 year post-doctoral fellowship position at the Hospital for Sick Children and the University of Toronto. The successful applicant will be a

member of a research team working on a project examining the brain dynamics involved in language production in typically developing children. As part of the project, magnetoencephalography (MEG), a non-invasive neuroimaging method, is used to assess neural activations in children and to analyse the extent to which these activations are correlated with jaw kinematic measurements, speech parameters, and neuropsychological assessment. The goal is to delineate typical development from age 4-18 years. Interested candidates should have a background in either speech-language pathology or developmental neuroscience. Knowledge of neuroimaging methods, as well as statistics and/or Matlab experience, are assets. The position is co-supervised by Dr. Luc De Nil at the University of Toronto and Dr. Elizabeth Pang at the Hospital for Sick Children. For more information, please contact: elizabeth.pang@sickkids.ca

ROTMAN RESEARCH INSTITUTE, BAYCREST | POSTDOCTORAL FELLOWSHIP | COGNITIVE NEUROSCIENCE OF MEMORY



The Rotman Research Institute of Baycrest, affiliated with the University of Toronto is offering a postdoctoral fellowship in cognitive neuroscience of memory in the laboratory of Dr. Bradley Buchsbaum. The post-doctoral fellow will collaborate in CIHR-funded research investigating the neural basis of human memory, especially short-term and episodic memory. Projects will involve the use of fMRI and MEG to study how memories are stored and represented in the brain, using both univariate and multivariate "pattern recognition" methods. Candidates should have interest and expertise in some of the following topics:

- Cognitive neuroscience of working memory
- Aging and memory
- Functional neuroimaging (fMRI and MEG)
- Multivariate pattern recognition applied to neuroimaging data

The Rotman Institute is fully equipped for cognitive neuroscience research, with a 3T MRI, 151-channel CTF MEG, several EEG systems. We seek a candidate with a strong background in memory research, good computing skills, and experience with functional neuroimaging.

Toronto is consistently ranked as one of the most livable cities in the world, as well as the most multicultural. It is an excellent place to work for those interested in cross-linguistic



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research, as native speaker populations can be found for dozens of world languages.

Applicants should have a recent Ph.D. or M.D. degree, and the potential for successfully obtaining external funding. The postdoctoral position carries a term of 2 years and is potentially renewable. Bursaries are in line with the fellowship scales of the Canadian Institutes of Health Research (CIHR) and include an allowance for travel and research expenses. A minimum of 80% of each fellow's time will be devoted to research and related activities.

Start date is negotiable, but ideally in the spring or summer of 2011. Applicants should submit a C.V. and relevant reprints, together with a cover letter describing current research interests and future research goals, and also arrange to have three letters of reference sent independently to:

Bradley Buchsbaum, Ph.D.
Rotman Research Institute
Baycrest
3560 Bathurst Street
Toronto, Ontario, M6A 2E1, Canada

bbuchsbaum@rotman-baycrest.on.ca

The Rotman Research Institute welcomes applications from all qualified individuals, including members of visible groups, minorities, women, aboriginal persons, and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Join a dedicated team of staff and volunteers whose vision is to transform the way people age and to advance quality of life to a new level through the power of research and education, with a focus on brain functioning.

Join Baycrest, one of the few organizations in the world that can say it is Enriching Care; Enhancing Knowledge; Enlightening Minds!

As staff, we all share in maintaining a safe care environment for clients, families, and visitors and a safe work environment for staff, students, researchers, physicians and volunteers.

While Baycrest appreciates all applications to this position, only those candidates that are selected for an interview will be contacted. Thank you!

RESEARCH POSITION - NEUROSCIENCE AND MENTAL HEALTH PROGRAMME, SICKKIDS

A full-time research position at the Neuroscience and Mental Health Programme of the Hospital for Sick Children

is offered to work on biophysics projects centred on brain signal analyses, using Matlab software. Our research focuses on the study of brain coordinated activity derived from a variety of recordings (electroencephalography and magnetoencephalography principally). The data analysis uses concepts from the physics and engineering fields, and includes frameworks like phase synchronization. The projects are funded by two operating grants for, at least, the period of January 2011-May 2012, with possibility to be extended (dependent upon obtaining other funds), with the stipend of \$35,000/year. The major requirement is an excellent knowledge of coding in Matlab, mostly as applied to signal analysis, and, while not necessary, some experience or interest in neuroscience and biophysics would be advantageous. The job includes helping members of our team with Matlab codes, data analysis, and contributing with the organisation of experiments that will predominantly involve cognitive tasks performed in our magnetoencephalographic (MEG) recording facility of the Hospital for Sick Children (but no knowledge of MEG is required as technicians in our institute perform the recordings).

Those interested should submit a CV to Jose Luis Perez Velazquez, jlpv@sickkids.ca, or jose-luis.perez-velazquez@sickkids.ca

CANADA

POST-DOCTORAL RESEARCH FELLOWSHIP - EATING DISORDERS PROGRAM | DOUGLAS UNIVERSITY INSTITUTE IN MENTAL HEALTH, MONTREAL (QUEBEC) CANADA

The Eating Disorders Program (EDP) at the Douglas University Institute in Mental Health offers comprehensive, ultra-specialized services for adults with eating disorders in the Anorexia or Bulimia Nervosa spectrum. The EDP is nationally and internationally recognized for its clinical services, research, and teaching. The program also serves as a regional Eating Disorders Information Centre. The EDP is pleased to announce the opening of a 2-year position for a Postdoctoral Research Fellow. The research program at the EDP is multidimensional, with arms touching various themes: Comorbid traits and disorders; molecular genetics, neurobiology and brain-imaging; prognostic indices; psychotherapeutic management; other areas. (For a full



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description, please refer to www.douglas.qc.ca, select "English", "Care & Support Services", and then "Eating Disorders"). The suitable candidate will have recently completed a PhD degree, have a strong record of research and scholarly activity, and research skills in an area relevant to the program of research described.

To apply, submit a letter of introduction, curriculum vitae, research statement, relevant reprints and 3 letters of recommendation to the attention of:

Suzane Gagnon - Administrative Technician
Eating Disorders Program

Douglas University Institute in Mental Health
6875 LaSalle Blvd., Montréal, Québec, Canada H4H 1R3
Tel : 514-761-6131, loc. 2895
Email : gagsuz@douglas.mcgill.ca

POSTDOCTORAL FELLOWSHIP IN RESEARCH IN EARLY PSYCHOSIS

The Psychosis Research Program of the Hotchkiss Brain Institute at the University of Calgary is recruiting postdoctoral fellows funded through the Alberta Mental Health Centennial Chairs Program to start in 2011.

The post doctoral positions will focus on developing original research and participating in ongoing research in early detection and intervention studies that are being conducted with individuals in the pre-psychotic phase of the schizophrenia or in the first stages of a psychotic illness. Research is carried out in conjunction with the Calgary Early Psychosis Treatment Service (EPTS) which is a well-established clinical program offering comprehensive and optimal treatment for individuals experiencing their first episode of psychosis and the Calgary PRIME clinic, a research clinic for young people at clinical high risk of psychosis. Studies will involve program development for early psychosis, psychosocial treatments, cognitive behavioral therapy, risk factors, social cognition and social functioning and neuroimaging. The candidate will be expected to develop lines of research in one or two of these areas.

Applicant requirements include (i) a Ph.D. or Psy.D. in clinical or counseling psychology, or a related discipline; (ii) previous experience in clinical assessment and treatment of individuals with serious and persistent mental illness; (iii) strong background in research design and methodology, statistics, and preparation of manuscripts; and (iv) interest in early psychosis and a demonstrated interest in further learning in this area. Applicants must be eligible to work in Canada.

Salary and benefits will be commensurate with qualifications and experience and follow CIHR/AHFMR guidelines.

Interested applicants should send a letter of interest, CV,

academic transcript, and up to 3 reprints/preprints and arrange for three letters of recommendation to:

Dr Jean Addington

Alberta Centennial Mental Health Research Chair
& Novartis Chair for Schizophrenia Research

Department of Psychiatry

Health Sciences Centre – Faculty of Medicine

3330 Hospital Drive NW Calgary, Alberta T2N 4N1

e-mail jmadding@ucalgary.ca

2011 CANADA COUNCIL FOR THE ARTS - KILLAM RESEARCH FELLOWSHIP

These awards, which are administered by the Canada Council for the Arts, provide support to scholars of exceptional ability who are engaged in research projects of broad significance and widespread interest. The awards honour the memory and exceptional achievements of Mrs. Dorothy J. Killam's husband, Izaak Walton Killam.

The Killam Research Fellowships are awarded annually, on a competitive basis, to support scholars doing research in any of the following fields: humanities, social sciences, natural sciences, health sciences, engineering, or studies linking any of the disciplines within these fields.

Killam Research Fellowships provides two full years of release time from teaching and administrative duties to individual scholars who wish to pursue independent research. They are intended for established scholars who have demonstrated outstanding research ability, have published the results of their research in substantial publications in their field and are expected to continue contributing to the Canadian research community after they have completed their fellowship project. These awards are valued at \$70,000 per year. Fellowship recipients must obtain support for research and laboratory costs from other sources. Applicants who are retired are not eligible.

All applicants MUST submit their Applications electronically (via the Killam website by clicking on "University approval") by May 16, 2011, including a signed RIS Form. **For those who would like an editorial review of their proposal, submit your draft application by Monday, May 2, 2011.

Internal Deadline for Applications: May 9, 2011.



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FUNDING ANNOUNCEMENTS



Introducing the Ontario-China Research and Innovation Fund Round One Call for Proposals for Collaborative Projects Ontario Applications Deadline: **May 12, 2011***

An International Collaboration

In 2011, Ontario and China will each invest \$1 million to provide \$2 million in overall funding for innovative bilateral projects. **The Ontario-China Research and Innovation Fund (OCRIF)** is now open for applications.

Grants Available - Academics and businesses, from Ontario and China, may propose shared research projects in two areas:

- Water and water-related technologies; and
- Neuroscience

Awards** - Successful Ontario applicants could receive from \$250,000 to \$500,000 per project. Applicants are also eligible for financial support from MOST to fund the China portion of the project.

How to Apply First day for submitting applications in Ontario: **March 22, 2011** Final deadline for applications in Ontario: **May 12, 2011** (4 p.m.)

The Ontario Ministry of Research and Innovation (MRI) and MOST will conduct parallel application processes. Ontario-based organizations apply directly to MRI. Each project's lead Chinese partner must apply directly to MOST, through the International Science & Technology Cooperation Program of China (ISTCP), by **April 15, 2011**.

Learn More

To get all the funding details and an application package, visit:

Ontario applicants: www.ontario.ca/innovation

China applicants: www.istcp.org.cn

Contact Sandy He-Easton, Ministry of Research and Innovation
Tel: 416-212-4545 Sandy.He-Easton@ontario.ca

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

Cerebral Palsy International Research Foundation (CPIRF) :



Research Grant Program. The

foundation provides funding for pilot studies on research important to the prevention and treatment of cerebral palsy, including improvement in the quality of life of persons with disabilities due to cerebral palsy and closely related developmental brain disorders. This broad research agenda includes basic, clinical and applied research in the biomedical and bioengineering sciences.

Deadlines for Submissions: Continuous

OTHER OPPORTUNITIES

CHARLES STREET STUDENT FAMILY HOUSING RESIDENCE FOR U OF T STUDENTS WITH A FAMILY, FOR POSTDOCTORAL FELLOWS AND/OR POSTGRADUATE MEDICINE FELLOWS

30 & 35 CHARLES STREET WEST - 416-978-8049

www.studentfamilyhousing.utoronto.ca

- Apartments for March, April & May 2011 for students, postdoctoral fellows and postgrads in medicine living with their partner/spouse &/or children
- Close to campus
- Extensive programming for family: Yoga! Dance! Arts & Crafts! Ping Pong! Movie Night & More!
- Onsite Childcare Centre & Drop-In Centre
- Rooftop Garden

FREE SURPLUS EQUIPMENT

This stuff is a bargain at twice the price! You can see it in MSB 3222. Contact: milton.Charlton@utoronto.ca

- 1 Rapp flash photolysis power supply and lamp housing
- 1 Chart recorder 3 channel
- 2 TV monitor 9" monochrome
- 2 Dagan 8500 intracellular 2-electrode voltage clamp
- 3 Axon Instruments TL-1 DMA analog I/O systems (Labmaster based)

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