

# NEUROSCIENCE NEWSLETTER

Volume 27

Number 2

October 2010



Director, UTNP  
**Michael G. Fehlings MD, PhD**



Director, CPIN  
**David R. Hampson, PhD**

Planning & Operations: **Alexander A. Velumian, PhD, DSc**  
Program Coordinator: **Frazer Howard**

UTNP Administrative Office: **MP 11-315, Toronto Western Hospital**  
Collaborative Program in Neuroscience Office:  
**Room 904, Leslie Dan Faculty of Pharmacy, University of Toronto**

Email: [p.neuroscience@utoronto.ca](mailto:p.neuroscience@utoronto.ca) | Telephone: 416-978 8761 Fax: 416-978-8511 | Website: [www.neuroscience.utoronto.ca](http://www.neuroscience.utoronto.ca)

## PROGRAM NEWS

### DISTINGUISHED LECTURESHIP SERIES

Date | October 1, 2010

Time | 4:00pm

Topic | **Anti-NMDA receptor encephalitis and other disorders of synaptic autoimmunity**

Location | Medical Sciences Building, Room 3154, University of Toronto

Speaker | **DR. JOSEP DALMAU** University of Pennsylvania

Host | Dr. Susanne Benseler



Date | October 28, 2010

Time | 4:00pm

Topic | **Multiple Memory Signals in the Medial Temporal Lobe**

Location | Medical Sciences Building, Room 3154, University of Toronto

Speaker | **DR. WENDY SUZUKI** New York University

Host | Dr. Sheena Josselyn



Date | December 10, 2010

Time | 4:00pm

Location | Health Sciences Building, Rm 610, University of Toronto

Speaker | **DR. EMMANUEL MIGNOT** Stanford University

Host | Dr. John Peever



### UTNP SfN2010 TRAVEL AWARDS

The UTNP will be able to support 10 trainees presenting at Neuroscience 2010 in San Diego, California, November 13-17, 2010 with an amount of \$500 CDN each.

The competition is open to both graduate students and postdoctoral fellows presenting at Neuroscience 2010

To apply, complete the online form:

<http://bit.ly/sfn10-utnpawards>

Deadline for submission: October 22, 2010

Winners will be notified by November 5, 2010 and the official presentation of the awards will be at the UTNP Reception in San Diego on November 14:

Title: University of Toronto Neuroscience Program Reception

Date: November 14, 2010

Time: 6:30-8:30pm

Location: San Diego Marriott Hotel and Marina

Room: Cardiff

*Please note that only one applicant per abstract will be accepted and only one winner per lab will be awarded.*

*Trainees who have previously received an award from the UTNP are not eligible for this competition*

### UTNP RECEPTION AT SFN2010

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 November 14, 2010 from 6:30pm – 8:30pm in the Cardiff Room of the San Diego Marriott Hotel and Marina.

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

For an interactive map of the location please go to: <http://bit.ly/sfn10-reception>

### Upcoming Speakers for 2010-11

<b>Dr. David Colman   McGill</b>	January 24, 2011
<b>Dr. Isabelle Peretz   UMontréal</b>	February 3, 2011
<b>Dr. Pablo Castillo   Einstein CM</b>	February 24, 2011
<b>Dr. Richard Tsien   Stanford</b>	March 10, 2011
<b>Dr. Yadin Dudai   Weizmann IS</b>	March 31, 2011
<b>Dr. Bruce Dobkin   UCLA</b>	June 8, 2011

CPIN Students must attend 75% of the Lectureship Series each year

## NEW CPIN STUDENTS

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

Student Name	Deg.	Dept	Supervisor
Jessica Pressey	MSc	CSB	Melanie A Woodin
Petri Takkala	MSc	CSB	Melanie A Woodin
Ahmed Faress	MASc	IBBME	Tom T Chau
Matthew Florczynski	MSc	IMS	Sheena Josselyn
Wiplove Lamba	MSc	IMS	James Kennedy
Wiplove Lamba	MSc	IMS	Derek van der Kooy
Wei-Chih Cheng	MSc	IMS	Shun Wong
Meghna Rajaprakash	MSc	IMS	Joanne Rovet
Hyemin Oh	MSc	IMS	Lucy Osborne
Wylie Tan	MSc	IMS	Carol Westall
Tina Hu	MSc	IMS	Gregory Hare
Sinthujah Varatharajah	MSc	IMS	Margot Taylor
Allison Rosen	MSc	IMS	Mojgan Hodaie
Aaron Kucyi	MSc	IMS	Karen D Davis
Adam Santoro	MSc	IMS	Paul Frankland
Chen Yan	MSc	IMS	Sheena Josselyn
Vanessa Sinopoli	MSc	IMS	Paul Arnold
Cornelia McCormick	PhD	IMS	Mary Pat McAndrews
Laura MacNair	MSc	LMP	Janice Robertson
Carl Fisher	MSc	Med Biophys	Lothar Lilge
Graham Mazereeuw	MSc	Pharmacology	Krista Lanctôt
Sarah Chau	MSc	Pharmacology	Krista Lanctôt
Lulu Gao	MSc	Physiology	Martin Wojtowicz
Stefanie Hutka	MA	Psych	Claude Alain
Mark Morrissey	MA	Psych	Kaori Takehara-Nishiuchi
Ilyse Lax	MA	Psych	Margot Taylor
Elizabeth Glenn	PhD	Psych	Paul Fletcher
John Anderson	PhD	Psych	Cheryl Grady
Amy Wilkinson	PhD	Psych	Michelle Keightley
Jessica Hughes	PhD	Psych	Eve De Rosa
Sabrina Agnihotri	PhD	Rehab. Sci	Michelle Keightley

## PROFESSOR JOHN RODER ELECTED AS FELLOW OF THE ROYAL SOCIETY OF CANADA

UTNP member Professor John C. Roder (SLRI, Molecular Genetics) is one of nine University of Toronto faculty members honoured by the Royal Society of Canada.

<http://bit.ly/utnp-roder-rsc> [UT News]

## NEW AND IMPROVED RESEARCH & INNOVATION WEBSITE LAUNCHED

The office of the vice-president (research) has redesigned the award-winning Research & Innovation (previously known as Experience Research) website to make it easier for the university's research community to access the information they need to conduct their work.

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

<http://bit.ly/new-utresearch-website> [UT News]

## ANGELA COLANTONIO RECEIVES OT ALUMNI ACHIEVEMENT AWARD

UTNP Member Prof Angela Colantonio (Rehabilitation Science) has received the University of Toronto Occupational Therapy Alumni Achievement Award for 2010. The Alumni Achievement Award was established in 1995 to acknowledge graduates who have made an exceptional contribution as a member of the Physical Therapy or Occupational Therapy professions through scholarly activity in clinical, community, or academic environment, therapeutic practice and education.

## PUBLICATIONS AND AWARDS

Please send us information regarding recent publications, awards or other achievements from your lab and we will share it with the UT Neuroscience community. Send your notification to the Program office:

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

## U OF T NEUROSCIENCE EVENTS AND SEMINARS

### KREMBIL NEUROSCIENCE CENTRE GRAND ROUNDS

Held Thursdays 8:00am-9:00am

Main Auditorium, 2 West Wing, Room 401

Toronto Western Hospital

### ROTMAN ROUNDS

Held Mondays at 3:30pm

Three times each month, in the Classrooms ABC, 2nd Floor, Hospital and once each month, in the Loftus Hall, Main Floor, Apotex, Baycrest Centre

## CENTRE FOR BRAIN AND BEHAVIOUR CROSSTALKS

Held the last Thursday of every month 4:00pm  
DI Multimedia Room (2810J) 2nd Floor Atrium, Diagnostic Imaging, SickKids Hospital  
Contact: [laurel.brown@sickkids.ca](mailto:laurel.brown@sickkids.ca)

## EPILEPSY JOURNAL CLUB

First Tuesday of every month  
Contact Erin Crawford [erin.crawford@sickkids.ca](mailto:erin.crawford@sickkids.ca) for further information

Date | Friday October 1, 2010

Time | 8:00am - 9:00am

Topic | **Anti-NMDA-Receptor Encephalitis and beyond**

Location | Daniels Hollywood Theatre (Formerly: SickKids Auditorium), 2nd flr, Hospital for Sick Children

Speaker | **DR. JOSEP DALMAU** Professor of Neurology Director, Laboratory Neuro-Oncology, Center for Paraneoplastic Neurological Disorders, Abramson Cancer Center University of Philadelphia,  
Host | Special Interest Rounds

Date | Friday October 1, 2010

Time | 4:00pm

Topic | **Mixing Pleasures: Interactions between Drug and Sex Reward**

Location | Sidney Smith Hall, Room 2105, University of Toronto

Speakers | **Dr. Lique M. Coolen** University of Western Ontario

Host | 2010-2011 Brain and Behaviour Seminar Series | Department of Psychology, University of Toronto

Date | Friday October 1, 2010

Time | 4:00pm

Topic | **Anti-NMDA receptor encephalitis and other disorders of synaptic autoimmunity**

Location | Medical Sciences Building, Room 3154, University of Toronto

Speaker | **DR. JOSEP DALMAU** Professor of Neurology Director, Laboratory Neuro-Oncology, Center for Paraneoplastic Neurological Disorders, Abramson Cancer Center University of Philadelphia

Host | Dr. Susanne Benseler | UTNP Distinguished Lectureship Series

Date | Monday October 4, 2010

Time | 3:30pm

Topic | **Understanding episodic amnesia: Evidence from patient and neuroimaging studies**

Location | Classrooms ABC, 2nd Floor, Baycrest Centre

Speaker | **DR. R. SHAYNA ROSENBAUM** Assistant Professor, Department of Psychology, Neuroscience Graduate Diploma Program, York University, Associate Scientist, Rotman Research Institute, Baycrest  
Host | Rotman Rounds | Rotman Research Institute

Date | Wednesday October 6, 2010

Time | 12:15pm - 1:30pm

Topic | **Understanding age-related compensation: Varying task demands in source, associative memory, and semantic memory**

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

Speaker | **DR. LEE RYAN** University of Arizona  
Host | Ebbinghaus Empire Meetings | Department of Psychology University of Toronto

Date | Wednesday October 6, 2010

Time | 3:10 – 4:30 pm

Topic | **Neuroscience, Free Will and Moral Responsibility**

Location | Joint Centre for Bioethics, 155 College St., 7th Floor, Turn right off elevator and enter through Suite 754

Speaker | **DR. GARDAR ARNASON**, Researcher, Department of Social and Moral Philosophy, University of Helsinki with additional commentary by: **MR. DIEGO S. SILVA**, Doctoral Candidate, Dalla Lana School of Public Health, Collaborative Program in Bioethics, Joint Centre for Bioethics, University of Toronto  
Host | Joint Centre for Bioethics Seminar

Date | Friday October 8, 2010

Time | 9:00am

Topic | **Hippocampal Signaling by Subtypes of NMDA Receptors: Potential Novel Directions in Alzheimer's Disease Research**

Location | The Imperial Oil Theatre, Room 6 (in Basement), Tanz Neuroscience Building, 6 Queen's Park Crescent West, University of Toronto

Speaker | **DR. JOHN F. MACDONALD** Robarts Research Institute; Professor, Department of Physiology and Pharmacology, The University of Western Ontario  
Host | The Diane Charwood Memorial Lecture | The Tanz Centre for Research in Neurodegenerative Diseases

Date | Wednesday October 13, 2010

Time | 12:15pm - 1:30pm

Topic | **Understanding age-related compensation: Varying task demands in source, associative memory, and semantic memory**

Location | Sidney Smith Hall, Room 3130 (3rd floor),

University of Toronto St. George Campus, 100 St. George St.  
Speaker | **DR. NICHOLAS RULE** St. George Campus, University of Toronto  
Host | Ebbinghaus Empire Meetings | Department of Psychology University of Toronto

Date | Friday October 15, 2010

Time | 8:30 am - 12:30pm

Topic | **Computational Neurobiology/Neural Networks**

Location | Hollywood Theatre, Room 1246, Elm Wing, Hospital for Sick Children, 555 University Ave

Speaker | **DR. TERRY SEJNOWSKI**, Salk Institute | **DR. EVE MARDER**, Brandeis

Host | Dr. Doug Cheyne | Program in Neurosciences and Mental Health

RSVP no later than October 12th to [nmh.events@sickkids.ca](mailto:nmh.events@sickkids.ca) or Sarah Haslegrave at 416-813-8945

Date | Wednesday October 20, 2010

Time | 12:15pm - 1:30pm

Topic | **Attention, memory, and scene processing**

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

Speaker | **DR. JAMES BROCKMOLE** University of Notre Dame

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

Date | Wednesday October 20, 2010

Time | 1:00pm - 4:40pm

Topic | **Normal and Diseased Neurological States: Experimental and Mathematical Modeling in Hippocampus**

Location | Fields Institute 222 College Street, Toronto  
Speakers | **SYLVAIN WILLIAMS** (Montreal) **Self-generated theta and gamma rhythms in the complete hippocampus in vitro: New insights into hippocampal organization** | **KATIE FERGUSON** (Toronto) **Modelling theta rhythms in the hippocampus** | **JOHN LISMAN** (Brandeis University) **Towards an understanding of all the excitatory connections of the dentate/CA3 circuitry** | **LIANG ZHANG** (Toronto) **In vitro sharp waves as a network readout of hippocampal CA3 neurons under "physiological" and "pathological" conditions** | **MUHAMMAD DUR-E-AHMAD** (Toronto/Waterloo)

**Computational model of CA3 pyramidal cells: From an adapting neuron to network bursting**

Host | Computational Neuroscientists of Upper Canada

Website | <http://bit.ly/cnuc-workshop>

Date | Thursday October 21, 2010

Time | 1:00pm

Topic | **Mechanisms of short-term and long-term memory**

Location | Main Auditorium WW 2-401 Toronto Western Hospital

Speaker | **DR. JOHN LISMAN** Professor, Biology Department Brandeis University

Host | Dr. Frances Skinner | Toronto Western Research Institute Visiting Speaker Series

Date | Friday October 22, 2010

Time | 2:00pm

Topic | **Brainstem Circuitry of REM Sleep**

Location | Ramsay Wright Bldg., Room 432, University of Toronto

Speaker | **DR. JUN LU** Harvard Medical School Division of Sleep Medicine

Host | Dr. John Peever [john.peever@utoronto.ca](mailto:john.peever@utoronto.ca) | Cell & Systems Biology Departmental Seminar

Date | Wednesday October 27, 2010

Time | 12:15pm - 1:30pm

Topic | **A processing approach to the working memory/long-term memory distinction: Evidence from the levels-of-processing span task**

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

Speaker | **DR. NATHAN ROSE** Rotman Research Institute at Baycrest

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

Date | Thursday October 28, 2010

Time | 4:00pm

Topic | **Multiple Memory Signals in the Medial Temporal Lobe**

Location | Medical Sciences Building, Room 3154, University of Toronto

Speaker | **DR. WENDY SUZUKI** New York University

Host | Dr. Sheena Josselyn | UTNP Distinguished Lectureship Series

Date | Friday October 29, 2010

Time | 4:00pm

Topic | **The dynamic epigenome and the epigenetic signature of early life**

Location | Sidney Smith Hall, Room 2105, University of Toronto

Speakers | Dr. Patrick McGowan Biological Sciences, UT Scarborough

Host | 2010-2011 Brain and Behaviour Seminar Series | Department of Psychology University of Toronto

Date | Wednesday November 3, 2010  
Time | 12:15pm - 1:30pm  
Topic | **A comparison of brain activation during perception and vivid remembering of movies**  
Location | Sidney Smith Hall, Room 3130 (3rd floor),  
University of Toronto St. George Campus, 100 St. George St.  
Speaker | **DR. BRADLEY BUCHSBAUM** Rotman Research  
Institute at Baycrest  
Host | Ebbinghaus Empire Meetings | Department of  
Psychology University of Toronto

Date | Friday November 5, 2010  
Time | 2:00pm  
Topic | **Plasticity of Neocortical Circuits**  
Location | Ramsay Wright Bldg., Room 432, University of  
Toronto  
Speaker | **DR. ARIANNA MAFFEI** Stony Brook University  
Department of Neurobiology & Behavior  
Host | Dr. Melanie Woodin m.woodin@utoronto.ca | Cell &  
Systems Biology Departmental Seminar

Date | Wednesday November 10, 2010  
Time | 12:15pm - 1:30pm  
Topic | **Role of adult-born hippocampal neurons in proactive and retroactive interference. Evidence from animal experiments**  
Location | Sidney Smith Hall, Room 3130 (3rd floor),  
University of Toronto St. George Campus, 100 St. George St.  
Speaker | **DR. MARTIN WOJTOWICZ** Department of  
Physiology, University of Toronto  
Host | Ebbinghaus Empire Meetings | Department of  
Psychology University of Toronto

Date | Friday November 12, 2010  
Time | 11:00am - 5:00pm  
Location | Colony Grande Ballroom, 2nd floor, 89 Chestnut  
University of Toronto  
Keynote Speaker | **DR. V. REGGIE EDGERTON** Professor,  
Physiological Sciences and Neurobiology Brain Research  
Institute, UCLA  
Host | 2010 Tator-Turnbull Lectureship

Date | Wednesday November 17, 2010  
Time | 12:15pm - 1:30pm  
Location | Sidney Smith Hall, Room 3130 (3rd floor),  
University of Toronto St. George Campus, 100 St. George St.  
Speaker | **DR. CLAUDE ALAIN** Rotman Research Institute at  
Baycrest  
Host | Ebbinghaus Empire Meetings | Department of  
Psychology University of Toronto

Date | Wednesday December 1, 2010  
Time | 12:15pm - 1:30pm  
Topic | **Working memory updating**  
Location | Sidney Smith Hall, Room 3130 (3rd floor),  
University of Toronto St. George Campus, 100 St. George St.  
Speaker | **DR. YOAV KESSLER** Rotman Research Institute at  
Baycrest  
Host | Ebbinghaus Empire Meetings | Department of  
Psychology University of Toronto

Date | Friday December 3, 2010  
Time | 4:00pm  
Topic | **Linking genetically defined neuron types to specific behaviors**  
Location | Sidney Smith Hall, Room 2105, University of  
Toronto  
Speakers | **DR. JUNCHUL KIM** Psychology, UT St. George  
Host | 2010-2011 Brain and Behaviour Seminar Series |  
Department of Psychology, University of Toronto

Date | Friday December 10, 2010  
Time | 4:00pm  
Location | Health Sciences Building, Rm 610, University of  
Toronto  
Speaker | **DR. EMMANUEL MIGNOT** Stanford University  
Host | Dr. John Peever | UTNP Distinguished Lectureship  
Series

Date | Friday December 10, 2010  
Time | 1:00pm  
Location | Main Auditorium WW 2-401 Toronto Western  
Hospital  
Speaker | **DR. DIETMAR PLENZ**  
Host | Dr. Frances Skinner | Toronto Western Research  
Institute Visiting Speaker Series

## UPCOMING NEUROSCIENCE MEETINGS

### MARILYN JONES-GOTMAN SYMPOSIUM | EPILEPSY AND COGNITION, SMELL AND TASTE

Date | **Monday, October 4, 2010**

Time | 8:00am - 7:00pm

Location | Montreal Neurological Institute and Hospital  
Jeanne Timmins Amphitheatre, 3801 University Street,  
Montreal, Quebec

Register / rsvp |

<http://neuroevents.mcgill.ca/index.php?page=registration-4>

### 2ND GLOBAL SYMPOSIUM ON THE DIETARY TREATMENTS FOR EPILEPSY AND OTHER NEUROLOGICAL DISORDERS

Edinburgh, Scotland

**October 5-8th 2010.**

Although the ketogenic diet has been used in the treatment of epilepsy for almost 100 years, it is now 15 years since the story of Charlie, who, after failing numerous anti-epileptic drugs became seizure free and drug free on the ketogenic diet and brought awareness of the possible effects of the diet to a wider population. There is now no question of agreement to its efficacy, not only in epilepsy but also now widening to other neurological conditions. Research into basic mechanisms of action and implementation has also escalated; the number of publications on pubmed about research into the ketogenic diet has risen from <20 in 1996 to >110 in 2008

The first Symposium was held in Phoenix, Arizona in April 2008. This was attended by over 200 participants from varied backgrounds including epilepsy and dietetics. Much discussion was undertaken, and it was agreed that progress would be sufficient to bring individuals together once again in 2010. For further information:

<http://site.matthewsfriends.org/index.php?page=global-symposium-2010>

### 12<sup>th</sup> ANNUAL JOINT MEETING OF THE GREAT LAKES G-PROTEIN COUPLED RECEPTOR RETREAT

Dates | **October 21-23, 2010**

Location | Kingbridge Conference Centre, King City, Ontario

Website | <http://www.utoronto.ca/gpcr>

Contact | Esther Lee 1-416-978-3188/

[estherjieun.lee@utoronto.ca](mailto:estherjieun.lee@utoronto.ca)

Thursday, October 21, 2010

HYMAN NIZKIK MEMORIAL

Keynote Speaker: 16:45 – 17:40 p.m.

**GRAEME MILLIGAN** (University of Glasgow)

17:45 – 19:30 Welcome Reception & Poster Session I

19:30 – 21:30 Dinner

Friday, October 22, 2010

### HURT VAN TOL NEUROSCIENCES SYMPOSIUM

I. GPCRs and the Neurosciences

Chair: **STEPHEN S. FERGUSON**

**SUSAN R. GEORGE** (University of Toronto)

**PAUL R. ALBERT** (Ottawa Hospital Research Institute, Ottawa)

**JAVIER GONZÁLEZ MAESO** (Mount Sinai School of Medicine, N.Y.)

**GRACIELA PIÑEYRO** (Hôpital Ste-Justine, Montréal)

II. GPCRs and Cellular Growth and Migration

Chair: **DAVID R. HAMPSON**

**PATRICK J. CASEY** (Duke University Medical Center and Duke-NUS Medical School Singapore)

**ROBERT ROTTAPPEL** (University Health Network, Toronto)

**METTE M. ROSENKILDE** (University of Copenhagen)

**GREGORY G. TALL** (University of Rochester)

III. Structural and Biophysical Studies of GPCRs

Chair: **JAMES W. WELLS**

**PAUL S. PARK** (Case Western Reserve University)

**VALERICA RAICU** (University of Wisconsin-Milwaukee)

**EMANUEL ESHER** (Université de Sherbrooke)

**OLIVER P. ERNST** (Institut für Medizinische Physik Berlin, Germany)

**ARTHUR D. CONIGRAVE** (University of Sydney)

Saturday, October 23, 2010

IV. GPCRs in the Cardiovascular System

Chair: **SCOTT HEXIMER**

**ROBERT GROS** (Robarts Research Institute, London)

**IAN C. SCOTT** (Hospital for Sick Children, Toronto)

**RICHARD R. NEUBIG** (University of Michigan)

**TERRENCE E. HEBERT** (McGill University)

V. GPCRomics and Modelling

Chair: **STEPHANE ANGERS**

**IGOR STAGLIAR** (University of Toronto)

**RALF JOCKERS** (Institut Cochin, Paris)

**BRIAN SHOICHET** (UCSF)

**PATRICK SEXTON** (Monash University, Australia)

### 4TH NATIONAL SPINAL CORD INJURY CONFERENCE

Dates | **October 28 –30, 2010**

Agenda |

<http://www.torontorehab.com/education/scic10proagenda.html>

Location | Fallsview Casino Resort, Niagara Falls, Ontario

Speakers |

<http://www.torontorehab.com/education/scic10speaker.html>

Website | [www.sciconference.ca](http://www.sciconference.ca)

Contact information | Conference Services:

[conferences@torontorehab.on.ca](mailto:conferences@torontorehab.on.ca) or 416-597-3422 x.3866

### THE 10TH ANNUAL KUNIN-LUNENFELD APPLIED RESEARCH UNIT (KLARU) CONFERENCE

Topic | Clinical Aspects of Frontal Lobe Dysfunction

Date | **Friday October 29, 2010**

Time | 8:00am - 4:00pm

Location | The 89 Chestnut Street Residence & Conference Centre, Toronto, Ontario

Website | [www.klaru-baycrest.on.ca](http://www.klaru-baycrest.on.ca)

Contact | Paula Ferreira 416 785 2500  
x2363/pferreira@baycrest.org

#### **NEUROSCIENCE 2010 | SFN 40TH ANNUAL MEETING**

Dates | **November 13-17, 2010**

Location | San Diego, California, USA

Website | [www.sfn.org/am2010](http://www.sfn.org/am2010)

#### **KEYSTONE SYMPOSIA MEETING ON "ADULT NEUROGENESIS"**

Dates | **January 9-14, 2011**

Location | Sagebrush Inn and Conference Center, Taos, New Mexico, USA

Deadlines | Abstract & Scholarship – September 16, 2010 / Late-Breaking Abstract – October 13, 2010 / Early Registration Deadline – November 10, 2010

Website | [www.keystonesymposia.org/11A5](http://www.keystonesymposia.org/11A5)

#### **THE 10TH INTERNATIONAL CONFERENCE ON ALZHEIMER'S & PARKINSON'S DISEASES (AD/PD 2011)**

Explore New Horizons and Emerging Disease Modifying Therapies

**MARCH 9-13, 2011**

We are pleased to announce the 10th International Conference on Alzheimer's & Parkinson's Diseases (AD/PD 2011), which will be held in Barcelona in 2011.

This conference will feature a diverse, multi-disciplinary scientific program covering the most recent research and discoveries in etiology, neurobiology, diagnosis, imaging, treatment and therapy.

#### **AGING, OLD AGE, MEMORY, AESTHETICS**

Dates | **March 25-27, 2011**

Location | University of Toronto

Website |

<http://sites.google.com/site/agingoldagememoryaesthetics/>

#### **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>

#### **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](mailto:neuroethics@ircm.qc.ca)

## **POSITIONS AVAILABLE**

### **UNIVERSITY OF TORONTO & AFFILIATED INSTITUTIONS**

#### **RESEARCH TECHNICIAN POSITION IN SPINAL CORD INJURY RESEARCH**

The Fehlings laboratory of spinal cord injury research at Toronto Western Hospital is looking for an experienced technician with experience in cellular electrophysiology/patch clamp, compound action potential recording, fluorescence imaging, immunohistochemical and molecular biology techniques.

Send resume and cover letter to:

Amy Lem

Research Administrative Assistant to

Michael G. Fehlings, MD, PhD, FRCSC, FACS Professor of Neurosurgery,

University of Toronto Medical Director, Krembil Neuroscience Program

Toronto Western Hospital, University Health Network

T: 416-603-5085 F: 416-603-5298

E: [alem@uhnres.utoronto.ca](mailto:alem@uhnres.utoronto.ca)

#### **POSITION FOR A FUNCTIONAL MRI SCIENTIST - THE ROTMAN RESEARCH INSTITUTE, BAYCREST CENTRE**

The Rotman Research Institute of Baycrest Centre invites applications for an fMRI physicist position. The successful candidate will engage in a research program on the development and application of structural and functional MRI techniques for neuroscience research. While pursuing an independent research program, he/she will be expected to collaborate on diverse studies of human cognition and neurological disorders that involve MRI research resources at Baycrest. The candidate must possess a PhD or equivalent and demonstrated experience in MRI. The Rotman Research Institute has a research-dedicated Siemens 3T TIM Trio MRI and fully-equipped electroencephalography and magnetoencephalography laboratories in-house. The successful candidate will play a central role in the coordination and operation of the MRI imaging facility.

Examples of research that a successful candidate would conduct include, but not limited to: development and refinement of MR pulse sequences for neuroimaging, development of MR acquisition tools and paradigms for studies in aging; development of novel methods to process and analyze both functional and structural MRI data. The successful candidate will benefit from the large collaborative neuroimaging community at The University of Toronto, and would be eligible for an academic at the assistant to associate professor level. Applications are encouraged from qualified women and men, members of visible minorities, aboriginal peoples and persons with disabilities. In accordance with Canadian immigration requirements, this advertisement is directed initially to Canadian citizens and permanent residents.

Applicants should submit a covering letter describing current research interests and future research goals, a complete C.V., relevant reprints and the names of three potential references to:

Claude Alain, PhD

The Rotman Research Institute

Baycrest Centre for Geriatric Care

3560 Bathurst St, Toronto, Ontario, M6A 2E1

Tel (416) 785-2500, ext 3523; Fax (416) 785-2862

E-mail: calain@rotman-baycrest.on.ca

CANADA



#### **CHAIR DEPARTMENT OF ANATOMY & CELL BIOLOGY**

Request for Applications

The Schulich School of Medicine & Dentistry, at The University of Western Ontario, is inviting applications for the position of Chair in the Department of Anatomy & Cell Biology.

Anatomy & Cell Biology is a strong vibrant department with three main areas of strength: Cell Biology, Neurobiology and Clinical Anatomy. Research in Cell Biology focuses on Cancer, Vascular Biology and Stroke, Cell Communication and Cell Signaling. Research in Neurobiology includes Addiction and Reward, Schizophrenia, Spinal Cord Injury and Learning, Memory and Cognition. Clinical Anatomy research is centered on the development and testing of novel tools for the teaching of anatomy, as well as the application of anatomy in clinical settings such as surgery and radiology. The Department has approximately 16 000 sq. ft of renovated laboratory space and access to many core facilities located at

the Schulich School of Medicine & Dentistry, and at the Robarts Research Institute. Facilities within the department include confocal microscopy, cell micromanipulation, live cell imaging, whole animal imaging, and animal behavioral equipment. The Department has a strong graduate program consisting of both Research and Clinical Anatomy Streams and an innovative undergraduate Honours program in Medical Cell Biology. In addition, the Department provides teaching to medical, dental, science and health science students through undergraduate programs in the Schulich School of Medicine & Dentistry and the Faculties of Science and Health Sciences. The successful candidate should have a reputation for effective interpersonal, administrative and leadership skills and have a well-funded, successful research program. The new Chair will be expected to support the research, educational and interdisciplinary initiatives of the Department, to help maintain the positive forward momentum of the Department and to develop new initiatives in research/scholarship. The successful candidate must have a PhD or equivalent, and would receive a tenured academic appointment at the level of associate or full professor, as appropriate to their record of accomplishment in teaching and research. Candidates with a background in the anatomical sciences and a research program complementing existing research strengths are particularly encouraged to apply. However, applications from candidates with outstanding accomplishments in other research areas are also welcome. The position of Chair is for a five year term, renewable.

Details concerning the Department of Anatomy & Cell Biology, the Schulich School of Medicine & Dentistry, and The University of Western Ontario, London, Ontario, may be found at <http://www.uwo.ca/anatomy/>.

Interested candidates should submit a CV outlining their research, teaching, and administrative experience and interests, including future directions, together with the names and addresses of three referees to:

Dr. Michael Strong, Dean  
Schulich School of Medicine & Dentistry  
Room 3701A  
Clinical Skills Building  
The University of Western Ontario  
London, Ontario N6A 5C1  
FAX: (519) 850-2357

The competition will remain open until the position is filled.



**LADY DAVIS INSTITUTE FOR MEDICAL RESEARCH**

**MCGILL UNIVERSITY**

**ASSISTANT PROFESSOR TENURE TRACK FACULTY POSITION  
THE MARJORIE AND GERALD BRONFMAN MCGILL CHAIR IN  
MUSCLE STEM CELL RESEARCH**

The Lady Davis Institute of McGill University intends to develop a program in Muscle Regeneration, with a focus on muscle stem cell biology. An ASSISTANT PROFESSOR TENURE TRACK position is available for candidates with research interests in the muscle stem cell biology. One goal of the endowment is to facilitate research on the therapeutic potential of muscle stem cells in muscle regeneration, particularly for muscular dystrophies. Applicants should have a Ph.D. and/or M.D. with relevant postdoctoral experience. Salary will be negotiated according to qualifications and experience. Candidates will be judged on their potential to develop a vigorous independent research program that can attract extramural support.

The LDI (<http://ladydavis.ca/>) of the Jewish General Hospital is a leading basic and clinical research institution at McGill University. The LDI has six research Axes that together include 65 principal investigators in the basic sciences and more than 75 clinical investigators. The LDI is an integral part of the extensive McGill research community and offers excellent prospects for collaboration in basic and clinical research. The successful applicant will be appointed to a McGill Department appropriate to the applicant's background. Montreal is a cosmopolitan city with a very attractive and affordable lifestyle.

All qualified applicants are encouraged to apply; however, Canadians and permanent residents will be given priority. McGill University is committed to equity in employment and diversity. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities and others who may contribute to further diversification.

Please send a letter outlining your current and future research interests, a copy of your CV and the names and addresses of three references, by October 15, 2010.

Send email inquiries and applications to: [gdipanocr@jgh.mcgill.ca](mailto:gdipanocr@jgh.mcgill.ca)

**UNITED STATES**

**WAYNE STATE UNIVERSITY BEHAVIORAL/COGNITIVE  
NEUROSCIENTIST – WAYNE STATE UNIVERSITY.**

As part of the University's initiative to enhance existing programs of excellence, the Behavioral and Cognitive Neuroscience Program in the Department of Psychology invites applications for a tenure-track faculty appointment. Research at all levels of analysis that employ modern neurobiological and neurocognitive techniques is welcome. Successful candidates will be expected to develop an independent, externally funded research program that not only complements and interacts with existing strengths in the department but also stimulates collaborations with other research areas of the department: neurobiology of emotion and social interaction, psychopharmacology, developmental biopsychology, learning and memory, and cognitive processes. Applicants must also have a strong commitment to both undergraduate and graduate education.

Excellent facilities exist for either human or animal research models. Wayne State University is a Carnegie Doctoral/Research University-Extensive located in the cultural center of Detroit within a metropolitan area of five million people. Information about the Department and the University can be found at <http://www.clas.wayne.edu/Psychology> and <http://www.wayne.edu>. Review of applications will begin immediately. To receive full consideration, applications should arrive by November 1, 2010.

Applicants should submit a CV, key reprints/preprints, statements of research and teaching interests, and arrange to have three letters of reference sent to R. Douglas Whitman, Chair, Department of Psychology, Wayne State University, 5057 Woodward Avenue, Suite 7908, Detroit, MI 48202. Wayne State is an Affirmative Action/Equal Access/Equal Opportunity Employer that encourages women and minority candidates to apply.

**FUNDING ANNOUNCEMENTS**

**[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.

**Autism Speaks** : *Pilot Grants*: Autism Speaks invites grant applications from investigators to conduct research pilot studies into the causes, diagnosis, treatment, prevention and cure of autism spectrum disorders. *Trailblazer Grants*: The Trailblazer Award mechanism will support highly novel "out of the box" autism-relevant research that addresses significant roadblocks or that can open new avenues to understanding the causes, diagnosis, subtyping, prevention, treatments, and cure of autism spectrum disorders. The Trailblazer Award mechanism is designed to fund small investigator-initiated high risk/high impact projects that are

potentially transformative. Examples of good fits are: 1) projects that may be too risky for regular research mechanisms, including the Autism Speaks pilot study research grants, and/or 2) studies that are time-sensitive in their ability to leverage an exceptional opportunity for conducting highly innovative and relevant ASD research. Deadline: Rolling Submissions (see RFA).

**American Health Assistance Foundation (AHAF)** : National Glaucoma Research & Alzheimer's Disease Research. The Standard Award provides significant funding for researchers who have already generated some amount of preliminary data, but often still require significant progress before they can apply to governmental or industrial funding agencies. The Alzheimer's Disease Research program also offers Pilot Awards and Fellowship Awards.

National Glaucoma Research program. Deadline for Submissions: October 22, 2010.

Alzheimer's Disease Research Program. Deadline for Submissions: October 19, 2010.

NIH: **Epigenomic Modifications in Neurodevelopment** (R01). Also available in a **(R21 mechanism)**. Deadline: October 20, 2010.



## 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"