

NEUROSCIENCE NEWSLETTER

Volume 27

Number 1

September 2010



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Michael G. Fehlings MD, PhD



Director, CPIN
David R. Hampson, PhD

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PROGRAM NEWS

DISTINGUISHED LECTURESHIP SERIES

Date | September 13, 2010 4:00pm

Topic | **The evolutionary significance of the insular cortex for human awareness of feelings from the body**

Speaker | **DR. BUD CRAIG** Director, Atkinson Pain Research Laboratory, Barrow Neurological Institute



Location | 6th Flr Auditorium, Health Sciences Building

Host | Dr. Jonathan O. Dostrovsky

9th Sackler Distinguished Visiting Neuroscientist

Date | September 20, 2010 5:30pm

Topic | **The Germinal Neuroepithelium of the Adult Brain**

Speaker | **DR. ARTURO ALVAREZ-BUYLLA** University of California, San Francisco



Location | Main Auditorium, 2 West Wing, Room 401, Toronto Western Hospital

Host | Dr. Michael G. Fehlings

Supervisors, please encourage your graduate students to join the Collaborative Program in Neuroscience: neuroscience.utoronto.ca/students.htm

NEW CPIN STUDENTS

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

Student Name	Deg.	Department	Supervisor
Rachel Leeder	MSc	IMS	Derek van der Kooy
Sinthujah Varatharajah	MSc	IMS	Margot Taylor
Hyemin Oh	MSc	IMS	Lucy Osborne
Jay Han	MSc	Physiology	David Mikulis

PROFESSOR ALBERT WONG AWARDED \$100000 FOR SCHIZOPHRENIA RESEARCH

Congratulations to UTPN member Prof. Albert Hung Choy Wong (Pharmacology and Toxicology) is one of 42 innovative researchers awarded a NARSAD 2010 Independent Investigator grant for research on genetic variants of the disrupted-in-schizophrenia (DISC1) gene.

Prof. Wong will receive \$99,516 for his research project entitled, *"Disc1 Gene-Environment Interactions in Schizophrenia and Depression."*

<http://bit.ly/wong-schizophrenia-research> [FacMed News]

U OF T STUDY SHOWS INFANTS CAN REMEMBER EMOTIONAL EVENTS

A new study led by UTPN member Dr. David Haley (UT Scarborough) shows that human infants can remember unusual emotional events. Investigating the impact of relationship disruptions on stress regulation in infants, researchers asked parents to briefly ignore their six-month-old infants during an experiment, which caused an elevation in infant stress hormones.

<http://bit.ly/study-infants-emotional-events> [UT News]

Upcoming Speakers for 2010-11

Dr. Josep Dalmau UPenn	October 1, 2010
Dr. Wendy Suzuki NYU	October 28, 2010
Dr. Emmanuel Mignot Stanford	December 10, 2010
Dr. David Colman McGill	January 24, 2011
Dr. Isabelle Peretz UMontréal	February 3, 2011
Dr. Pablo Castillo Einstein CM	February 24, 2011
Dr. Richard Tsien Stanford	March 10, 2011
Dr. Yadin Dudai Weizmann IS	March 31, 2011
Dr. Bruce Dobkin UCLA	June 8, 2011

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

YUCEL RECEIVES NEW YORK ACADEMY OF MEDICINE LEWIS RUDIN GLAUCOMA PRIZE

Congratulations to UTPN member Dr. Yeni Yucel awarded the 2010 Lewis Rudin Glaucoma Prize by the The New York Academy of Medicine (NYAM). Dr. Yücel is Professor and Director of Ophthalmic Pathology, Departments of Ophthalmology & Vision Sciences and Laboratory Medicine & Pathobiology, University of Toronto, and pathologist-scientist at the Keenan Research Center at the Li Ka Shing Knowledge Institute of St. Michael's Hospital. Dr. Yücel was awarded the prestigious \$50,000 prize for his scholarly research resulting in an article, "Identification of lymphatics in the ciliary body of the human eye: A novel uveolymphatic outflow pathway," published in *Experimental Eye Research*, Volume 89, Issue 5, Pages 810-819, November 2009. Contributors to the article included Miles G. Johnston, Tina Ly, Manoj Patel, Brian Drake, Ersin Gümüŝ, Stephan A. Fraenkl, Sara Moore, Dalia Tobbia, Dianna Armstrong, Eva Horvath, and Neeru Gupta. A full copy of the article may be found at www.sciencedirect.com.
<http://bit.ly/utnp-yucel-nyam> [NYAM Press Release]

DEEP BRAIN STIMULATION MAY SLOW ALZHEIMER'S IN SOME

A study by UTPN member Dr. Andres Lozano (Neurosurgery, TWRI) which appeared August 4, 2010 in the journal *Annals of Neurology*, is the first to show that electrical stimulation of the deep brain can alter the memory loss that accompanies Alzheimer's disease.

Adrian W. Laxton, David F. Tang-Wai, Mary Pat McAndrews, Dominik Zumsteg, Richard Wennberg, Ron Keren, John Wherrett, Gary Naglie, Clement Hamani, Gwenn S. Smith, Andres M. Lozano. **A phase I trial of deep brain stimulation of memory circuits in Alzheimer's disease.** *Annals of Neurology*, August 4, 2010 DOI: 10.1002/ana.22089
<http://bit.ly/utnp-lozano-dbs-star> [Toronto Star]
<http://bit.ly/utnp-lozano-dbs-ctv> [CTV 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 [www.research.utoronto.ca] to make it easier for the university's research community to access the information they need to conduct their work.
<http://bit.ly/new-utresearch-website> [UT News]

U OF T LAUNCHES INNOVATIONS AND PARTNERSHIPS OFFICE

The Innovations Group (TIG) at U of T has changed its name to the Innovations and Partnerships Office (IPO) to describe

the part of the vice-president (research) portfolio that now helps faculty members develop partnerships and assists them in disclosing their inventions.

TIG's primary function was to focus on commercialization. In this role, the office received and assessed disclosures, sought financial resources, helped translate ideas into products and services, marketed the technology, and dealt with the legalities of making deals with commercialization partners.

<http://bit.ly/ut-ipo> [UT News]

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

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

Date | Friday September 17, 2010

Time | 10:00am

Topic | **The Beta-Amyloid Theory of Fragile X Syndrome**

Location | Leslie Dan Faculty of Pharmacy, Room PB850, University of Toronto

Speakers | **DR. CARA WESTMARK** Waisman Center for Developmental Disabilities, Madison, WI

Host | Dr. David Hampson Tel: 416-978-4494; E-mail: d.hampson@utoronto.ca

KREMBIL NEUROSCIENCE CENTRE GRAND ROUNDS

Held Thursdays 8:00am-9:00am

Main Auditorium, 2 West Wing, Room 401

Toronto Western Hospital

ROTMAN ROUNDS

Rotman Rounds will resume in September.

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

EPILEPSY JOURNAL CLUB

First Tuesday of every month

Contact Erin Crawford erin.crawford@sickkids.ca for further information

Next meeting | **Tuesday September 7, 2010**

Time | 12:00pm

Location | 4-254 BLACK WING (take the Black Wing elevators to 4th floor, it's the first door on your left)

Topic | Joint presentation **Widespread Changes in Dendritic and Axonal Morphology in Mecp2-Mutant Mouse Models of Rett Syndrome: Evidence for Disruption of Neuronal Networks**

DR. BLATHNAID MCCOY (Clinical Epilepsy Fellow) will discuss clinical presentation of the syndrome

ZARCO TODOROVSKI, PhD Candidate (Dr. Zheng Ping Jia Laboratory, Department of Physiology, U of T) will discuss the basic science components.

UPCOMING NEUROSCIENCE MEETINGS

14TH CONFERENCE ON INTRACRANIAL PRESSURE AND BRAIN MONITORING

September 12–16, 2010

Tubingen Germany

On behalf of the International Advisory Board we would like to welcome all international clinicians and scientists from the field to focus on an intensive week of knowledge-exchange at the old and famous University of Tuebingen, located in the geographical heart of Europe.

The ICP-conference has traditionally been a platform where clinicians from Neurosurgery, Neurology and Intensive Care Medicine meet basic scientists from all possible areas of intercept with the brain, a span that ranges from electric engineers to physicists, and from mathematicians to molecular biologists. We are trying hard to make the conference affordable regarding the "money to scientific benefit ratio" and ask you to contribute to the success of the conference by presenting your latest research related to our topics.

<http://www.icp2010.eu/>

WORKSHOP GLIAL CELL FUNCTION AND DYSFUNCTION IN CNS DISORDERS

Conference | 6th International Congress of Pathophysiology

Date | **September 24, 2010**

Location | Palais des Congres de Montreal, Montreal, Quebec, Canada

Website | www.ISPmontreal2010.com

1ST HALIFAX INTERNATIONAL EPILEPSY CONFERENCE | ADVANCED NEUROIMAGING IN NEW-ONSET EPILEPSY

Dates | **September 30-October 1, 2010**

Location | White Point Beach Resort, Nova Scotia

Website | <http://www.aesnet.org/go/files/HalifaxConference>

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>

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

Contact information | Conference Services:

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

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

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

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>

POSITIONS AVAILABLE

UNIVERSITY OF TORONTO & AFFILIATED INSTITUTIONS



INDEPENDENT SCIENTIST

INITIAL ASSIGNMENT: BIOINFORMATICS AND NEUROIMAGING RESEARCH, NEUROSCIENCE RESEARCH DEPARTMENT

Centre for Addiction and Mental Health:

The Centre for Addiction and Mental Health (CAMH) is Canada's leading Addiction and Mental Health teaching hospital. CAMH succeeds in transforming the lives of people affected by addiction and mental illness, by applying the latest in scientific advances, through integrated and compassionate clinical practice, health promotion, education and research.

CAMH has been recognized internationally as a Pan American Health Organization and World Health Organization Collaborating Centre. CAMH is committed to diversity in the workplace.

Position Description:

The Neuroscience Research Department is one of the primary research areas of CAMH and focuses on neurobiological mechanisms underlying mental illnesses, addiction and their respective treatments. Neuroscience investigations are carried out in various research sections and laboratories, each with its own mental health targets and neurobiological emphasis. Resources include animal care facilities, behavioural testing areas, molecular genetics and epigenetics infrastructure, electrophysiology, confocal microscope, and a wide array of basic and clinical expertise. The Neuroscience Research department is seeking an outstanding scientist who is dedicated to advancing the use of bioinformatics, genomics, and neuroimaging technologies, and methods applied to clinical and population research in a neuroscience setting. As our ideal candidate, you have a PhD in Biostatistics and/or Genetics with theoretical and applied expertise in advanced technology and methods to compute large imaging and psychiatric disease genetic data. Familiarity with advanced multivariate statistics, False Discovery Rate and correction for multiple testing, and other related methodological areas is essential. In addition to your own research, you will administer the newly acquired integrated computing system and foster the development of analytic research methods. These methods will be applied through collaborations with other scientists and clinicians. You will

also be expected to build a scientific team which includes supervision and mentoring students and postdoctoral fellows. You have an excellent record of scientific accomplishments, complemented by strong interpersonal, organizational and communication skills. The successful applicant will be expected to work independently, but complement the work of other molecular neuroscientists. The applicant will demonstrate a commitment to conducting and fostering research and enthusiasm regarding participating in multidisciplinary research and training activities. You will support a workplace that embraces diversity, encourages teamwork and complies with all applicable regulatory and legislative requirements. This position is located at 250 College Street.

Qualifications:

The successful candidate is required to have their PhD in Biostatistics and/or Genetics with strong theoretical and applied expertise in large scale studies, neuroimaging and statistical genetics. Eligibility for appointment as an assistant or associate professor in the relevant department at the University of Toronto is required. The ideal candidate will have experience conducting translational research that bridges preclinical bench level neuroscience discoveries to human level experimentation and clinical practice. The successful candidate will have a track record that demonstrates competence in obtaining grants, publishing in high impact peer reviewed journals, disseminating research at formal scientific meetings, and participation in the education of students and trainees. Familiarity with a wide range of programming and statistical methods, ANOVA, logistic regression analysis, survival analysis, linkage analysis, and multivariate analysis is desired. Knowledge of genetics and experience analyzing genetic data is essential. Consistent with the expectation that all CAMH Scientists seek to apply their research findings into practice, the successful candidate will be required to work towards this end. The ability to interact with populations of diverse ethnoracial and cultural backgrounds is also required. Bilingualism (English/French) and/or proficiency in a second language is considered an asset.

Please Note: This full-time, 3 year contract position is NOT part of any bargaining unit.

Salary Range: Competitive Salary and Benefits.

Please forward your résumé to:

Human Resources
Centre for Addiction and Mental Health

1001 Queen Street West
Toronto, Ontario
M6J 1H4
Fax: (416) 583-4316
E-mail: jobs@camh.net

Please remember to include the File Number when applying.

Posting Date: August 27, 2010
Closing Date: September 16, 2010
File Number: 10301E

TA POSITIONS - HUMAN BIOLOGY

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

CIHR Strategic Training Program in
Biological Therapeutics



CIHR PRE- AND POST DOCTORAL FELLOWSHIP OPPORTUNITIES

We are pleased to announce the availability of Canadian Institutes of Health Research-funded graduate student and Post Doctoral Fellowships for our “CIHR Strategic Training Grant in the Development of Biological Therapeutics”.

This multi-division University of Toronto program has 14 Principal Mentors and been awarded \$1,800,000 over the next 5 years. In the context of this program, “biological therapeutics” is defined as encompassing nucleic acids such as small interfering RNAs (siRNA), peptides and proteins including antibodies, and viruses and viral vectors. Projects will span the gamut from basic to applied research.

Depending on the research project, Postdoctoral Fellows and graduate students will receive training in bioinformatics, formulation and delivery of nucleic acids and proteins, and the analysis of the metabolism and fate of these macromolecules *in vivo*. Areas of application include neuroscience, cancer, and immunology. Each trainee will have a primary mentor and secondary mentor with whom they spend a minimum of 1 month per year. Our

collaborative environment will deepen knowledge and technical skills, promote team oriented research with colleagues, and increase exposure to cross-disciplinary research in the fields of neuroscience, ophthalmology, cancer, immunology, and drug delivery. Finally, through an industrial internship program, this program will also provide opportunities to work (short-term) with the private sector (pharmaceutical and biotechnology companies) to acquire additional technical skills.

Please see our Website:

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

Please email a CV and *a 1 page cover letter outlining your suitability and specific interest in working with one of the 14 mentors to:* biotherapeutics@utoronto.ca

POSTDOCTORAL FELLOW – CAMH

The Addiction Imaging Research Group at the Centre for Addiction and Mental Health (Toronto, Canada) is recruiting a Post-doctoral Fellow (MD and / or Ph.D.) to join the Positron Emission Tomography (PET) brain research centre.

Minimum qualifications are a doctoral degree in a health related field (e.g.: neuroscience, psychology) or MD degree. The successful candidate will have some expertise in computational and statistical methods, and a good working knowledge of brain anatomy. Experience with image analysis will be advantageous, but not required. Good oral and written communication skills are required. The project will focus on a brain PET investigation of the neurochemical events occurring during withdrawal from stimulant drugs.

CAMH is Canada's largest mental health and addiction teaching and research hospital in Canada and is affiliated with the University of Toronto.

Send letter of interest outlining experience and CV to Isabelle Boileau, Ph.D.

Head, Addiction Imaging Research Group
Centre for Addiction and Mental Health
250 College Street

Toronto, Ontario CANADA M5T 1R8

phone: 416-535-8501, ext. 4918

fax: 416-979-6862

e-mail: isabelle_boileau@camh.net

POSITION FOR A FUNCTIONAL MRI SCIENTIST - THE ROTMAN RESEARCH INSTITUTE, BAYCREST CENTRE UNIVERSITY OF TORONTO

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

INTERNATIONAL

INVESTIGATION OF THE FUNCTION AND DEVELOPMENT OF THE PHARMACOLOGY OF HETEROMERIC KAINATE RECEPTORS

This PhD project will focus on the discovery, development and in vitro pharmacological characterization of novel ligands for the kainate type of ionotropic glutamate receptors (GluK1-5) as well as on the characterization of existing ligands at heteromeric recombinant and native kainate receptors (KAR). This project will be carried out primarily within the Dept. of Pharmacology and Pharmacotherapy and the Dept. of Medicinal Chemistry at the Faculty of Pharmaceutical Sciences, University of Copenhagen. This project will be an integrated part of the University of Copenhagen GluTarget

programme of excellence (www.glutarget.ku.dk).
<http://www.farma.ku.dk/index.php/Project-1/8440/0/>
For further project information, please contact the project main supervisor:
Darryl Pickering, Ph.D., assoc. prof.
Dept. of Pharmacology and Pharmacotherapy
Faculty of Pharmaceutical Sciences
University of Copenhagen
Universitetsparken 2
2100 Copenhagen
Denmark
email: [picker\(at\)farma.ku.dk](mailto:picker(at)farma.ku.dk)

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 of 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.

[Tourette Syndrome Association, Inc.](#) : Research Grant Awards and Post-Doctoral Fellowships . The Research Award program interest is any research study that has the potential to contribute to the understanding of Tourette Syndrome, including genetics, pathogenesis, pathophysiology, clinical treatments and animal model development. Deadline for Pre-proposals: October 1, 2010.

SUBMISSION & CONTACT INFORMATION

Email: p.neuroscience@utoronto.ca | Fax: 416-978-8511 Attn: Frazer Howard | Submissions to the newsletter must be made by the 25th of the preceding month. Previous issues of the newsletter are posted on our website at: <http://www.neuroscience.utoronto.ca/newsletter>
If you no longer would like to receive this newsletter, please contact p.neuroscience@utoronto.ca with subject line "unsubscribe from UTNP Newsletter"

