

Collaborative Program in Neuroscience (CPIN) University of Toronto

Newsletter – Vol. 29, No. 5 – April 2013

Announcements

Call for the 2013 CPIN Research Day registration and abstract submission The CPIN Day Organizing Committee announces that the online registration/poster abstract submission is now open (http://neuroscience.utoronto.ca/events/CPIN_Research_Day.htm). The Research Day will be held at the MSB on June 10 in partnership with the International Symposium on Structural Neurobiology (on June 11). On June 10, the CPIN students will report their research updates through poster presentations at the Stone Lobby and Dr. Brian K Kobilka, Professor at Stanford University School of Medicine and 2012 Nobel Prize Laureate in Chemistry, will deliver the 2013 Raymond and Beverly Sackler Distinguished Lecture at the MacLeod Auditorium. The registration closes on May 20.

Call for Poster Presentation Judges on the CPIN Research Day Student research progress presentation is one of the CPIN program requirements. All the CPIN faculty and postdoctoral members are invited to attend the CPIN Research Day and provide feedback to our students' research work through this annual inter-/intra-departmental event. The success of the CPIN program is dependent on the support of every each CPIN members. Please contact the Organizing Committee members or email p.neuroscience@utoronto.ca if you are available to serve as a poster judge on June 10.

The CPIN Research Day Organizing Committee Oliver Ernst (also the organizer of the Structural Neurobiology Symposium; Biochemistry), Zhong-Ping Feng (Committee Chair; Physiology), Lili-Naz Hazrati (LMP), Janice Robertson (LMP), Albert Wong (IMS), and CPIN Graduate Student Executives.

Call for images/pictures/photos submission Selected submissions will be posted on the CPIN website and in other CPIN related medium publications. Please submit your work to p.neuroscience@utoronto.ca, and remark the photo credit.

CPIN Newsletter

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Upcoming Events

The 2013 UofT Oliver Smithies Lecture

"Brain Development and Plasticity: Molecular Control of Neuronal Guidance and Degeneration"

The University of Toronto Faculty of Medicine and Friends of CIHR are pleased to sponsor the 2013 Oliver Smithies Lecture and the Institutional Visit of the 2012 Henry G. Friesen International Prizewinner.

**Tuesday, April 23, 2013
12:00-1:15 pm**

JJR Macleod Auditorium
Medical Sciences Building 2158
1 King's College Circle
Faculty of Medicine
University of Toronto

A light lunch will follow in the Student Commons (Stone Lobby) of the Medical Sciences Building.

Registration is required. Please click here: [UofT Oliver Smithies Lecture](#)

Marc Tessier-Lavigne, PhD
President, The Rockefeller University
2013 University of Toronto Oliver Smithies Lecturer
Winner, 2012 Henry G. Friesen International Award

Oliver Smithies: "The airplane instrument approach and the gene targeting experiment both have a moment of truth. When the aircraft comes out of the clouds, either the runway is there, or it is not."

The 2013 UofT Oliver Smithies Lecturer

Speaker | Dr. Marc Tessier-Lavigne, President of The Rockefeller University
Time | 12:00 – 1:00, April 23

Location | MacLeod Auditorium, MSB2158.

(<http://neuroscience.utoronto.ca/events.htm>).

This lecture counts as a credit for the CPIN students.

Please download 2013 CPIN Lecture Report & Evaluation Forms

(<http://neuroscience.utoronto.ca/Assets/UTNP+Digital+Assets/Collaborative+Program/forms/2013lectureform.pdf>)

Congratulations to the graduates of the CPIN program

Last name	First name	Program	Department	Supervisor
Baashid	Rana	MSc	IMS	Albert Wong

Welcome New CPIN Students

Last name	First name	Program	Department	Supervisor
Bermejo	Marie	PhD	Pharmacology	Ali Salahpour
Chang	Michael	MSc	IMS	Taufik Valiante

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Upcoming Events (continued)

CPIN Distinguished Lectureship Series (<http://neuroscience.utoronto.ca/events/lectureship.htm>)



Speaker | Professor Timothy Ryan, Weill Cornell Medical College, Cornell University
Date | May 2, 2013
Time | 1:30-2:30 pm
Title | *What your brain uses to think: the biology of synapses and their control*
Location | MSB 3154
Host | Dr. Lu-Yang Wang, Professor, Department of Physiology
Co-Sponsor | Department of Physiology
Funding| BRAIN Platform, Department of Physiology



Speaker | Professor Lara Boyd, University of British Columbia
Date | May 3, 2013
Time | 1:00-2:00 pm
Title | *Sensorimotor physiology and function after stroke*
Location | Room 1105, Sanford Fleming Bldg (10 King's College Road)
Host | Dr. Karl Zabjek, Department of Physical Therapy, Graduate Department of Rehabilitation Science
Co-sponsor | Department of Physical Therapy, and Rehabilitation Sciences Sector University of Toronto



Speaker | Professor Ivan Soltesz, Chancellor's Professor and Chair of Departments of Anatomy and Neurobiology, University of California (Irvine)
Date | May 10, 2013
Time | 1:00 - 2:00 pm
Title | *Organization and Control of Hippocampal Chronocircuits*
Location | Auditorium (WWW2-401), Toronto Western Hospital (399 Bathurst Street)
Host | Dr. Frances Skinner, Associate Professor, Departments of Medicine (Neurology) and Physiology
Co-sponsor | Toronto Western Research Institute (TWRI), UHN, and Center for Mathematical Medicine (CMM - Fields)

UofT seminars - for information on upcoming seminars, visit <http://neuroscience.utoronto.ca/events/seminar.htm>

Conferences and Meetings – for more information, visit http://neuroscience.utoronto.ca/events/Conf_M.htm

CPIN Activities Reports

Neurotalk update (<http://neuroscience.utoronto.ca/events/Neurotalk.htm>)

Introducing a new format of learning into an academic environment steeped in tradition of large lecture halls has always come with challenges. However, over the past 3 months, CPIN Neurotalk has had a very successful turnout, where both students and faculty members from a variety of disciplines participated in active neuroscience discussions. During our round-table sessions we covered a wide range of topics, including connectomics, neuroenhancement, brain modeling, and neuroscience in the media. Among the participants were students and post-docs in psychology, physiology, medical science, engineering, and cognitive science, in addition to a faculty from rehabilitation science, psychiatry, and aerospace engineering.

This past Wednesday for Neurotalk 5, Takashi Yoshida, an IBBME PhD candidate, led a discussion outlining the challenges in modeling neural networks and behaviour.

With the end of the school year and many people going away on holiday, Neurotalk will be taking a short hiatus until September. However, we've already begun forming a line-up of speakers and would love to hear what topics/methods/ideas CPIN members would be interested in learning about/discussing.

Please direct all your questions and suggestions to Luka Srejjic at lsrejjic@uhnres.utoronto.ca.

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CPIN Activities Reports (continued)

Take Your Undergrad to Lab Day Update (<http://neuroscience.utoronto.ca/events/special.htm>)

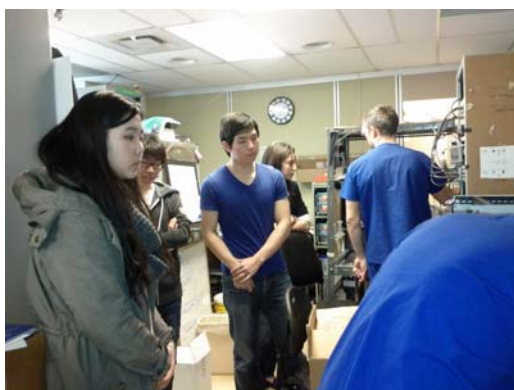
We had an overwhelming demand from the undergrad students that was well-satisfied by CPIN's enthusiastic graduate students: undergrad students rated their overall experience as a 9/10 and indicated that they would recommend this event to their peers. Thank you also to the Neuroscience Association for Undergraduate Students (NAUS) executive representatives Amirah Momen and Kweephoh Petchsri for your collaboration with CPIN in recruiting undergraduate students and helping to organize this event.

The participants in 2013 Take Your Undergrad to Lab Day:

Graduate Student	Supervisor	Department	Undergrad students
Ceilidh Cunningham	Dr. William Trimble/ Dr. Lu-Yang Wang	Physiology	Catalina Santos, Carrie (Chang Hua) Chen, Mohamed Roble
Derek Howard	Dr. Lu-Yang Wang	Physiology	Arya Abdool, Mariam Ebady, Ryan Stagno, Christine Tsilas
Celeste Leung	Dr. Zhengping Jia	Physiology	Nidhi Ravishankar, Caiwei Li, Bill Chi
Bhanu Sharma	Dr. Robin Green	Rehabilitation Science	Annie Zhan
Sonia Sugumar	Dr. Peter Carlen	Physiology	Taylor Brin, Arsalan Mir, Seuyoon Hong, Katrina Chiu
Katie Ferguson	Dr. Francis Skinner	Physiology	Vina Law, Vivian Feng, Xixi Wu
Carlos Florez	Dr. Peter Carlen	Physiology	Jun ku Chung (Allen Chung), Rohit Mohan, JelumRaval
Joshua Dian	Dr. Peter Carlen/ Dr. BerjBardakjian	Physiology/ECE	Audrey Zhang, Fatima-Zahra Maamir, Justin Feng
Michal Krawczyk	Dr. Peter Carlen	Physiology	Romeo Penheiro, Natalie Yiu
Margaret Maheandiran	Dr. Peter Carlen	Physiology	William Cho, Kate Chung, Danielle Smalling

Once again, thank you to all the CPIN graduate student participants for showing us your mentorship and leadership spirit!

If you are interested in participating in similar events in the future, please email Sonia Sugumar sonia.sugumar@mail.utoronto.ca.



(Photos by Sonia Sugumar)

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CPIN Activities Reports (continued)

The 15th Annual Toronto Brain Bee (2013) update (<http://neuroscience.utoronto.ca/events/2013brainbee.htm>)

The 15th Annual Toronto Brain Bee competition took place at the Medical Sciences Building, on April 5, 2013. 56 students from 26 high schools in the Toronto area were participated in the competition.

Following three rounds of questions the top three winners were: Sophia Ly (first place), Mithunan Ravindran (second place) and Olivia Ly (third place). All three students were from University of Toronto Schools. The first place winner Sophia Ly will represent Toronto at the 6th Annual CIHR Canadian National Brain Bee competition (www.brainbee.ca), which will take place at McMaster University in Hamilton on June 1, 2013.

Top 10 winners are:

1	Ly	Sophia	University of Toronto Schools
2	Ravindran	Mithunan	University of Toronto Schools
3	Ly	Olivia	University of Toronto Schools
4	Hu	Catherine	University of Toronto Schools
5	Liu	Michael	University of Toronto Schools
6	Morris	Robert	York Memorial Collegiate Institute
6	Qiu	Sharon	Cardinal Carter Academy for the Arts
6	Zhou	Aileen	Cardinal Carter Academy for the Arts
9	Egan	Shannon	University of Toronto Schools
10	Boppana	Ujwal	University of Toronto Schools

The 2013 Brain Bee competition was co-sponsored by the [Collaborative Program in Neuroscience](#), the [Department of Physiology](#) and the [Firefly Foundation](#). The students were welcomed by Professor Zhong-Ping Feng (Coordinator of Toronto Brain Bee, Department of Physiology), Professor Steve Matthews (Chair, Department of Physiology), and Ms Sharon Zillmer (Program Manager, Firefly Foundation). The Brain Bee competition was hosted by Andrew Barszczyk (Graduate student, Physiology) and Danielle DeSouza (Graduate student, IMS).



Between the first and second rounds of questions, the students visited the Anatomy Museum at the Division of Anatomy, watched the videos of 2011 Toronto Brain Bee winners and their experience in the University of Toronto (Produced by Firefly Foundation). Three short research presentations were given by Rachel Newsome (Barense lab, Psychology), Catharine Mielnik (Salahpour lab, Pharmacology) and Nancy Dong (Feng lab, Physiology).

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CPIN Activities Reports (continued)

The 15th Annual Toronto Brain Bee (2013) update (continued)

The event was organized by 5 faculty members, and 21 graduate students and other trainee volunteers. The faculty members are Drs. Jonathan Dostrovsky (TBB advisor, Physiology), Zhong-Ping Feng (TBB coordinator, Physiology), Amy Ramsey (Pharmacology), and Ali Salahpour (Pharmacology), and Hong-Shuo Sun (Anatomy, Surgery/IMS). The trainee volunteers include Christine Bae, Andrew Barszczyk (TBB trainee volunteer coordinator), Stephanie Beadman, Dr. Jeff Dason, Danielle DeSouza, Marielle Deurloo, Nancy Dong, David Dukoff, Melissa Kwan, Irene Lecker, Jame Li, Catharine Mielnik, Adma Mosa, Rachel Newsome, Yi Quan, Sakina Rizvi, Shannon Roberts, Mike Tian, Ekaterina Turlova, Danielle Weber-Adrian and Paul Whissel.



Photo credits to Dr. Hong-Shuo Sun and Catharine Mielnik (PhD student, Pharmacology). See more photos at UofT Brain Bee 2013 Photo Galleries by the Faculty of Medicine, University of Toronto. (<http://medicine.utoronto.ca/page/photo-galleries>)

(See a full 2013 Toronto Brain Bee event report by Dr. Amy Ramsey at <http://neuroscience.utoronto.ca/Assets/UTNP+Digital+Assets/brainbee/2013/2013+TBB+Report.pdf>)

The organization committee of 2013 Toronto Brain Bee: Isabelle Aubert (Laboratory Medicine and Pathobiology), Morgan Barense (Psychology), Andrew Barszczyk (Graduate student, Physiology), Jonathan Dostrovsky (Advisor; Physiology), Zhong-Ping Feng (Committee Chair; Physiology), Amy Ramsey (Pharmacology), Ali Salahpour (Pharmacology), Hong-Shuo Sun (IMS/Surgery-Anatomy), and Sakina Rizvi (Graduate Student, Pharmaceutical Sciences).