

Collaborative Program in Neuroscience (CPIN)

University of Toronto

Newsletter – Vol. 30, No. 6 – June 2014

Announcements

News from CPIN Faculty Congratulations to CPIN faculty members **Dr. Paul Frankland** and **Dr. Sheena Josselyn** on their recent significant publication. See below for more details.

Welcomes New Faculty Member Dr. Frank Rudzicz (Department of Computer Science).

Meet our new Faculty Members on Page 2.

CPIN Academic and Executive Committee Meeting Update The Academic and Executive Committees met on Tuesday, June 10, 2014 to summarize the 2013-2014 activities and discuss the program in 2014-2015. Potential speakers nominated by CPIN members for the 2014-2015 Distinguished Lectureship Series were also assessed.

Updates from the CPIN Graduate Executives: Elections and Mixer The CPIN graduate executive committee elections was held on Thursday, June 5, 2014, at the GSU pub at 16 Bancroft Avenue. For more details, please see page 2.

Updates from the CPIN Graduate Executives: CPIN Neurotalk Please see page 2 for details.

Call for Submissions for CPIN Website Updates The CPIN Office is presently updating the program website and would welcome trainee and faculty members to submit interesting news items, photos/pictures and other information involving CPIN members. Your participation would be greatly appreciated. Please send your submissions to p.neuroscience@utoronto.ca.

Upcoming CPIN Workshop

<http://www.neuroscience.utoronto.ca/events/2014workshop.htm>



Speaker | **Dr. Terri Gilbert**, Application Scientist at the Allen Institute for Brain Science, Seattle, USA

Title | *Explore the Science and Public Resources of the Allen Institute*

Date | **Wednesday, July 16, 2014 (Pre-registration required)**

Time | Session 1: 10:00-11:00 am (MSB Rm. 2172), Session 2: 1:00-5:00 pm (MSB Rm. 3281)

Location | Session 1 (MSB Rm. 2172), Session 2 (MSB Rm. 3281), U of T

Host | Enoch Ng, Ph.D. Candidate, Institute of Medical Science, Roder Lab

Description: Join us for an informative two part session presented by CPIN & the Allen Institute for Brain Science. Dr. Gilbert, Ph.D., will demonstrate the publicly available resources of the Allen Institute, including an extensive overview of the public resources currently available via the Allen Brain Atlas data portal & hands-on training workshops covering Mouse Gene Expression, Mouse Connectivity, & Human Gene Expression. Space is limited & pre-registration is required, especially for the afternoon workshops. To register, e-mail events@alleninstitute.org and include "TORONTO Atlas Training" in the subject line.

News from CPIN Faculty

Congratulations to CPIN faculty members **Dr. Paul Frankland & Dr. Sheena Josselyn** on their recent publication "*Hippocampal neurogenesis regulates forgetting during adulthood and infancy*" in the journal *Science* (Akers KG et al.). The study has been extensively featured in various research & news media around the world. For more details, please see study abstract below & the following link: <http://www.ncbi.nlm.nih.gov/pubmed/24812394> (News item submitted by Dr. John Yeomans)

Study Abstract: Throughout life, new neurons are continuously added to the dentate gyrus. As this continuous addition remodels hippocampal circuits, computational models predict that neurogenesis leads to degradation or forgetting of established memories. Consistent with this, increasing neurogenesis after the formation of a memory was sufficient to induce forgetting in adult mice. By contrast, during infancy, when hippocampal neurogenesis levels are high and freshly generated memories tend to be rapidly forgotten (infantile amnesia), decreasing neurogenesis after memory formation mitigated forgetting. In precocial species, including guinea pigs and degus, most granule cells are generated prenatally. Consistent with reduced levels of postnatal hippocampal neurogenesis, infant guinea pigs and degus did not exhibit forgetting. However, increasing neurogenesis after memory formation induced infantile amnesia in these species.

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

CPIN Newsletter

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CPIN Participating Units
Applied Psychology & Human
Development
Biochemistry
Biomaterials & Biomedical
Engineering
Cell & Systems Biology
Computer Science
Dentistry
Laboratory Medicine &
Pathobiology
Medical Biophysics
Medical Science
Music
Pharmaceutical Sciences
Pharmacology & Toxicology
Physiology
Psychology
Rehabilitation Science

Contributor:
St. Michael's Neuroscience
Research Program

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Upcoming Events

CPIN Cortex Club For more information, visit: <http://www.neuroscience.utoronto.ca/events/cortexclub.htm>

U of T Neuroscience Seminars For more information, visit: <http://neuroscience.utoronto.ca/events/seminar.htm>

Physiology Seminar Series

Speaker | **Dr. Tracy L. Bale**, Professor of Neuroscience, Director, Neuroscience Center SOVM, University of Pennsylvania

Title | *Stressed parents: maternal and paternal epigenetic programming of neurodevelopment*

Date | **Thursday, June 26, 2014**

Time | 4:00 pm

Location | Medical Sciences Building Room 2172, Faculty of Medicine, University of Toronto

Host | Reproduction and Development Platform and the Fraser Mustard Institute for Human Development

St. Michael's Neuroscience Research Rounds

Speaker | **Dr. Marc Fisher** (Editor-in-Chief of *Stroke*), Department of Neurology, Beth Israel Deaconess Medical Center, Harvard University

Title | *Translational Stroke Research – A Personal Perspective*

Date | **Friday, June 27, 2014**

Time | 10:00 – 11:00 am

Location | 209 Victoria St., 1st floor, RM 136, Li Ka Shing Knowledge Institute

Host | St. Michael's Neuroscience Research Program

Conferences and Meetings

http://neuroscience.utoronto.ca/events/Conf_M.htm

3rd International Conference of the International Association for Music & Medicine

June 24-28, 2014 in Toronto, Ontario; The newly created Music and Health Research Collaboratory (MaHRC) in the Faculty of Music, University of Toronto, the Manfred and Penny Conrad Institute for Music Therapy Research (CIMTR), Wilfrid Laurier University, and the Canadian Association for Music Therapy have come together in collaborative partnership to plan a landmark event in Music & Medicine with the theme Music Medicine through the Lifespan. Plans are to build on the spirit of collaboration to bring together Music Therapists, Researchers in Music in Medicine, Researchers in Music as Medicine, Researchers in Musician's Health, Medical Practitioners, Neuroscientists, and students in all these fields. We are expecting to facilitate interdisciplinary exchange and future collaboration.

You are also invited to join IAMM for dinner on June 26 featuring Dr. Norman Doidge, Author of "The Brain that Changes Itself" at Burwash Hall, Victoria University in University of Toronto.

For further details, visit the [website](#)

Travel Grants

R&D Systems Travel Grants to Neuroscience 2014 R&D Systems is offering ten travel grants of \$1,000 each to attend the Society for Neuroscience Annual Meeting, held in Washington, DC, November 15-19, 2014.

For further details, please see the link: [Travel grants to Neuroscience 2014](#)

Reminders

Faculty Profile Update The CPIN Office is looking to update the CPIN faculty member profiles on the website: <http://www.neuroscience.utoronto.ca/faculty/list.htm> If you wish to add or update your profile on the CPIN website, please contact the CPIN Office at p.neuroscience@utoronto.ca.

Neuroscience Opportunities The CPIN website now includes postings for available positions in the Toronto neuroscience community. Please see the website for details:

http://www.neuroscience.utoronto.ca/communications/Positions_Available.htm

Seeking Positions The CPIN website is now accepting postings from trainees and other research personnel seeking neuroscience positions. Please submit a brief profile and short resume in pdf format to the CPIN Office at p.neuroscience@utoronto.ca

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