

Collaborative Program in Neuroscience (CPIN)

University of Toronto

Newsletter – Vol. 34, No. 5 – January 2018

Featured In This Issue

Call for CPIN 2018-2019 Distinguished Lecturer Nominations CPIN trainee & faculty members are welcome to nominate potential speakers for the 2018-2019 Neuroscience Distinguished Lectureship Series. Please submit your nominations at the following link: http://www.neuroscience.utoronto.ca/events/lectureship/distinguished_lecturer_nominations.htm. Nominations will be reviewed by the CPIN Academic/Executive Committees for approval.

News – CPIN Trainees Congratulations to CPIN PhD student member **Celeste Leung** (Physiology, Jia Lab) on her recent publication in the journal *Nature Neuroscience*. Please see page 2 for details.

Neuroscience Opportunities Please see page 3 for details.

2017-18 CPIN Distinguished Lectureship Series

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



Speaker | **Dr. Kees van Heeringen**, Professor and Chair, Department of Psychiatry and Medical Psychology, and Director, Unit for Suicide Research, Ghent University, Belgium

Title | *Suicidal brains: structural and functional changes and their role in suicide risk and prevention*

Date and Time | **Wednesday, January 31, 2018, 4:00 pm**

Location | Li Ka Shing Knowledge Institute, 209 Victoria Street, 2nd Floor, Room 209-Allan Waters Family Auditorium

Host & Co-sponsor | Arthur Sommer Rotenberg Suicide and Depression Studies Program, St. Michael's Hospital, U of T



Speaker | **Dr. Geoffrey F. Woodman**, Department of Psychology, Vanderbilt Vision Research Center, Center for Cognitive and Integrative Neuroscience, Vanderbilt University

Title | *Using electrophysiology to measure long-term memory and working memory as they control attention trial by trial*

Date and Time | **Wednesday, February 7, 2018, 12:15 pm**

Location | Room 205 (BL 205), Claude T. Bissell Building (BL 205), 140 St. George Street, U of T

Host | Dr. Michael L. Mack, Assistant Professor, Dept. of Psychology, U of T
Co-sponsor | Dept. of Psychology Ebbinghaus Empire Talk Series, U of T



Speaker | **Dr. Bo Li**, Professor, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY

Title | *The amygdala circuits in the regulation of divergent behaviors*

Date and Time | **Monday, February 12, 2018, 4:15 pm**

Location | Room 110, Ramsay Wright Building, 25 Harbord Street, U of T

Hosts | 1) Dr. Kaori Takehara-Nishiuchi, Associate Professor, Department of Psychology, U of T; 2) Dr. Laura Corbit, Assistant Professor, Department of Psychology, U of T

Co-sponsor | Dept. of Psychology Brain & Behaviour Seminar Series, U of T

CPIN Newsletter

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Lead Faculty
Faculty of Medicine

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
Public Health
Rehabilitation Science

Contributors:

Heart & Stroke/Richard
Lewar Centre of Excellence in
Cardiovascular Research

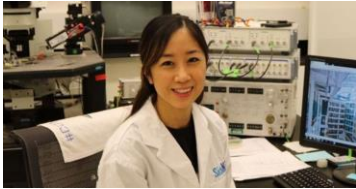
Human Biology Program
Krembil Research Institute
St. Michael's Neuroscience
Research Program

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News - CPIN Trainees

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



Congratulations to CPIN PhD student member **Celeste Leung** (Physiology, Jia Lab) on her recent publication entitled “*The C-Terminal Tails of Endogenous GluA1 and GluA2 Differentially Contribute to Hippocampal Synaptic Plasticity and Learning*” in the journal *Nature Neuroscience*.

Link to publication: <https://www.nature.com/articles/s41593-017-0030-z>

Link to press release:

<http://www.sickkids.ca/AboutSickKids/Newsroom/Past-News/2017/SickKids-researchers-discover-precise-molecular-mechanism-influence-memory.html>

Celeste is a PhD candidate under the supervision of CPIN faculty member **Dr. Zhengping Jia**, a Senior Scientist at the Hospital for Sick Children who led the above study. Celeste's research focuses on investigating the cellular and molecular mechanisms underlying synaptic transmission and plasticity, and learning and memory in neurodevelopmental disorders including autism spectrum disorder and intellectual disability. Celeste has authored 6 publications, 2 of which are first-author contributions, and a book chapter. She has received numerous scholarships and awards including the Doctoral Completion Award, Ontario Graduate Scholarship, SickKids Restracom Scholarship, John MacDonald Award in Neuroscience, University of Toronto SGS Conference Grant, and various other trainee poster and oral presentation awards. During her doctoral studies, Celeste was nominated by the UofT Department of Physiology as a Graduate Student Ambassador to mentor prospective undergraduate students worldwide in their transition into graduate school within the Faculty of Medicine. She also served as the Treasurer and Off-Campus Representative on the Graduate Association for Students in Physiology (GASP) and Secretary on the Neighbourhood Operations and Safety Committee at the Peter Gilgan Center for Research and Learning within the Hospital for Sick Children.

Upcoming Events

U of T Neuroscience Seminars

<http://neuroscience.utoronto.ca/events/seminar.htm>

Conferences and Meetings

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

2018 Traumatic Brain Injury Conference

Event Date: February 2, 2018

Beanfield Centre, 100 Princes' Blvd, Toronto, ON M6K 3C3

Phone: 416-597-3422 ext. 3448

Email: conferences@uhn.ca

Website: <https://ers.snapuptickets.com/UHN/TBI2018/>

SickKids Dept. of Psychology Conference: Building Executive Function Skills in Children and Adolescents: Promoting Development and Facilitating Change

Event Date: February 27, 2018

Daniels Hollywood Theatre, (555 University Avenue, First floor room 1246)

Registration : www.cvent.com/d/p5qy8w

Questions: psychology.learning@sickkids.ca

SickKids NMH Mini-Symposia Series presents: New Perspectives in Mild Traumatic Brain Injury

Event Date: February 9, 2018

Robert Salter Auditorium, Peter Gilgan Centre for Research & Learning, 686 Bay Street

Registration: <http://www.cvent.com/events/new-perspectives-in-mild-traumatic-brain-injury/event-summary-7008dbc43a344b7080c21ff0061f5318.aspx>

University of Toronto Spine Program: SpineFEST 2018

Event Date: June 11, 2018

MaRS Building, Main Auditorium, lower Concourse, 101 College St. Keynote Speaker (Tator-Hall Visiting Professor Lecturer): Sanford E. Emery, West Virginia University.

Onsite free registration, however early RSVP to uoft.spine@utoronto.ca is encouraged

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Neuroscience Opportunities

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

Graduate Studies Positions

Dementia Rehab Program, Mobility Team, Toronto Rehabilitation Institute, University of Toronto, Toronto, ON, Canada

Description: We are looking for enthusiastic graduate students to work with Dr. Andrea Iaboni and the Mobility Team at the Toronto Rehabilitation Institute. Dr. Iaboni is a geriatric psychiatrist and clinician-investigator based in the Geriatric Rehabilitation Program, with a particular interest in the clinical care of patients with advanced dementia. Her research is focused on the clinical assessment and management of falls risk in vulnerable older adults, including those with depression and dementia. She has several projects ongoing including those related to the effect of psychotropic medications on mobility in older adults and the development of technology for assessment of mobility in the advanced dementia population. One potential project is an examination of the relationship between SSRI drug use and mobility in older adults. The second project involves the pilot testing of a new mobility staging tool in dementia. There is funding to support graduate students for both of these projects. The ideal candidate will have research experience in mobility assessment and in research in clinical populations. For the second project, experience in measurement theory and scale development, and knowledge in the area of mobility and falls in people with dementia would be significant assets. The Toronto Rehabilitation Institute has state of the art research facilities for the rehabilitation sciences. It is located in downtown in Toronto, a livable and cosmopolitan city known for its diversity and vibrant academic community.

Potential candidates should email their CV, research statement, and contact details of two academic references to: andrea.iaboni@uhn.ca

PhD Position

Sunnybrook Health Sciences Centre, University of Toronto, Toronto, ON, Canada

Description: PhD position available starting Winter 2018 to work on a project involving neuromodulation therapies (e.g. deep brain stimulation/focused ultrasound) in animal models of stress/anxiety and depression. The main goal is to study mechanisms of neuromodulation with focus on translational research and treatment-induced plastic changes. The projects will involve different techniques, including animal behavior, stereotactic surgery, brain stimulation, pharmacological injections, optochemogenetics, immunohistochemistry and other neurochemical techniques.

Interested candidates should contact Clement Hamani at Clement.Hamani@sunnybrook.ca. Supervision will be through the Institute of Medical Science- University of Toronto. Candidates must make sure they qualify according to their website.

Postdoctoral Position

Yale University, New Haven, Connecticut, USA

Description: The goal of our laboratory is to understand the function of genes involved in autism spectrum disorders at the cellular, molecular, circuit, and behavioral levels using zebrafish as a model system. Our laboratory has generated zebrafish mutants in multiple autism risk genes using CRISPRs, which we are studying to understand how loss of autism risk genes alters fundamental processes of vertebrate brain development (Hoffman et al. 2016 Neuron). The post-doctoral candidate will perform phenotypic analyses of multiple zebrafish mutants of autism risk genes using a combination of molecular, cellular, and imaging approaches.

For further information, please see the attachment with the posting on the CPIN website:

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

Reminders

Follow CPIN on social media: CPIN faculty and trainee members are welcome to follow us at the following links:

Facebook: <https://www.facebook.com/Collaborative-Program-in-Neuroscience-212564644049/>

LinkedIn: <https://ca.linkedin.com/in/cpinuoft>

Twitter: https://twitter.com/CPIN_UofT

Volunteer Opportunity at the 2018 Toronto Brain Bee CPIN Faculty and trainee members are invited to volunteer at the 20th Annual Toronto Brain Bee that will be held on Thursday, April 12, 2018 at the University of Toronto. Please fill out the online volunteer form at <http://www.neuroscience.utoronto.ca/events/brainbee.htm>

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