

# Collaborative Program in Neuroscience (CPIN) University of Toronto

Newsletter – Vol. 35, No. 1 – September 2018

## Featured In This Issue

**News – CPIN Faculty Members** Please see page 2 for details.

- Congratulations to **Dr. Paul Frankland**, **Dr. Sheena Josselyn**, and **Dr. Beverley Orser**, newly elected fellows of the Royal Society of Canada.
- Congratulations and welcome to **Dr. Elise Stanley** to her retirement symposium.

**Welcome New CPIN Students** Please see page 3 to 4 for details.

**Welcome New CPIN Faculty** Please see page 3 for details.

**CPIN Student Orientation** Please see page 2 for details.

**News – CPIN Students** Please see page 5 for details.

**Congratulations Graduating Students** Please see pages 5 to 7 for details.

**2018 Gairdner Symposia** Let There Be Light, Optogenetics in Neuroscience and Beyond & 2018 Canada Gairdner Laureate Lectures. Please see page 8 and 9 for details.

**Neuroscience Opportunities** Please see page 10 for details.

**CPIN Office Staff changes** Please see page 2 for details

## 2018-19 CPIN Distinguished Lectureship Series

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



### CPIN Emerging Leaders in Neuroscience Lecture

Speaker | **Dr. Steven Laviolette**, Associate Professor and N.A.R.S.A.D. Young Investigator, Anatomy & Cell Biology, Shulich Medicine and Dentistry, Western University

Title | *Unravelling the Positive and Negative Effects of Marijuana on Mental Health*

Date & Time | **Thursday, September 13, 2018, 10:00 am**

Location | Room 2170, Medical Sciences Building, 1 King's College Circle, U of T  
Host | Dr. Derek Van Der Kooy, Professor, Department of Molecular Genetics, U of T  
Co-sponsors | Department of Molecular Genetics, U of T



### CPIN Emerging Leaders in Neuroscience Lecture

Speaker | **Dr. Juan Song**, Assistant Professor, Department of Pharmacology, UNC Neuroscience Center, University of California, Berkeley

Title | *Dissecting neural circuits for adult hippocampal neurogenesis*

Date and Time | **Thursday, October 18, 2018, 4:00 pm**

Location | Room 2170, Medical Sciences Building, 1 King's College Circle, U of T  
Host | Dr. Paul Frankland, Professor, Departments of Psychology and Physiology, IMS; Senior Scientist, Neuroscience & Mental Health, SickKids Hospital  
Co-Sponsor | Neuroscience Platform, Department of Physiology, U of T



Speaker | **Dr. Mark Tuszynski**, Professor, Department of Neuroscience, University of California, San Diego

Title | *Neural Stem Cells for Spinal Cord Injury*

Date and Time | **Friday, October 19, 2018, 4:30 pm**

Location | Main Dining Room, Faculty Club, University of Toronto, 41 Willcocks St  
Host | Dr. Michael Fehlings, Head, Spinal Program, UHN & Vice Chair Research, Department of Surgery, U of T  
Co-Sponsors | (i) UHN; (ii) Krembil Neuroscience Centre; (iii) U of T Spine Program; (iv) the Spinal Cord Injury Research Unit; (v) the DeZwirek Family; (vi) Barbara Turnbull Foundation

**Note:** The Charles Tator-Barbara Turnbull Spinal Cord Injury Symposium will held on Fri. Oct 19<sup>th</sup> between 11-5pm. CPIN students are welcome to attend all/part of the Symposium

**Reminder:** CPIN Trainees: Please fill in the online Lecture Report & Evaluation Form as a record of your attendance to the Distinguished Lectureship Series within one week of attending the talk.

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

## CPIN Newsletter

Zhong-Ping Feng  
Director  
CPIN  
Graduate Studies

Iulia Park  
Administrator  
CPIN Office

**CPIN Office**  
[p.neuroscience@utoronto.ca](mailto:p.neuroscience@utoronto.ca)  
Tel.: 416 978 8637

**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 Faculty Members

[http://www.neuroscience.utoronto.ca/communications/news\\_cpín\\_faculty\\_members.htm](http://www.neuroscience.utoronto.ca/communications/news_cpín_faculty_members.htm)



Paul Frankland Sheena Josselyn Beverley Orser

Congratulations to CPIN faculty members **Dr. Paul Frankland** (Associate Professor, Neuroscience Platform, Physiology) **Dr. Sheena Josselyn** (Senior Scientist Neurosciences & Mental Health, SickKids; Associate Professor, Physiology) and **Dr. Beverley Orser** (Professor, Anesthesia) newly elected fellows of the Royal Society of Canada.

Link to the announcement on the Canadian Association for Neuroscience website:

<https://can-acn.org/congratulations-to-newly-elected-fellows-of-the-royal-society-of-canada-and-to-the-incoming-class-of-the-college-of-new-scientists>



Congratulations to CPIN faculty member **Dr. Elise F. Stanley** (Krembil Research Institute, University Health Network; Professor, Neuroscience Platform, Physiology) on her retirement!

**'From Brain to Nanodomain' A symposium in Honour of UHN Senior Scientist: Elise Stanley, PhD**

**The event will be hosted on October 17, 2018**, at BMO Education & Conference Centre, 60 Leonard Avenue, Toronto, Canada, by Krembil Research Institute, University Health Network.

Free Registration: <http://events.uhnresearch.ca/content/symposium-brain-nanodomain>

## CPIN Office Staff changes



We would like to express our sincere appreciation to **Dr. Suhail Asrar**, who served as CPIN Administrator for the past 4 years. We wish Suhail the very best in his new position and future career!



We welcome our new Administrator, **Ms. Iulia Park**, who is joining CPIN from Discovery Commons where she coordinated the videoconferencing of the MD program with the Mississauga Academy of Medicine.

## 2018-19 CPIN Upcoming Events

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

**CPIN Workshop Series** <http://www.neuroscience.utoronto.ca/events/workshop.htm>



Speaker | **James Jin**, Ph.D., V.P., Biocytogen Boston Corporation  
Title | *CRISPR/Cas9 based Extreme Genome Editing (EGE) Technology and its Applications*  
Date | **Monday, October 1, 2018**  
Time | 4:00-5:00pm  
Location | Room 4171, Medical Sciences Building, 1 King's College Circle, U of T  
Host | Dr. Tianru Jin, Departments of Medicine & Physiology, University of Toronto

**CPIN Student Orientation** <http://www.neuroscience.utoronto.ca/events/orientation.htm>



Title | *Welcome to CPIN!*  
Date | Thursday, October 11, 2018  
Time | 1pm  
Location | Room 3153, Medical Sciences Building, 1 King's College Circle, U of T  
Host | Dr. Zhong-Ping Feng, Director, CPIN; Professor, Department of Physiology, U of T

## Welcome new CPIN Faculty Members

[http://www.neuroscience.utoronto.ca/communications/news\\_cpिन\\_faculty\\_members.htm](http://www.neuroscience.utoronto.ca/communications/news_cpिन_faculty_members.htm)



We would like to welcome **Dr. Stephanie Ameis** (Assistant Professor, Department of Psychiatry, University of Toronto; Clinician Scientist, Research Imaging Centre, Campbell Family Mental Health Research Institute and McCain Centre for Child, Youth and Family Mental Health, CAMH; Child and Youth Mental Health Collaborative, CAMH, University of Toronto, Sick Kids) as a new faculty member to the CPIN community.

She completed medical training at McMaster University, residency training within the Department of Psychiatry at the University of Toronto, master's degree training in Neuroscience at the Institute of Psychiatry (King's College, London), and fellowship training at The Hospital for Sick Children and the Montreal Neurological Institute. Dr. Ameis's work focuses on using advanced neuroimaging techniques to study how variation in the structure and function of brain circuits increases susceptibility for neuropsychiatric disorders that affect children and adolescents, with a focus on autism spectrum disorders (ASD), obsessive compulsive disorder (OCD) and disruptive behavior disorders. Dr. Ameis' research work also uses longitudinal brain imaging to track the effects of novel and existing treatments on brain structure and function over time. The main goals of Dr. Ameis' research are to: (i) identify brain-based biomarkers of childhood mental illness, (ii) understand how existing and novel (i.e., medications, behavioural therapies, brain stimulation) interventions/treatments work using advanced brain imaging approaches, and (iii) identify biomarkers of treatment response using longitudinal brain imaging to personalize treatments for children and adolescents with mental illness.



We would also like to welcome **Dr. Nathan Kolla** (Assistant Professor, Forensic Psychiatry, Department of Psychiatry, Psychological Clinical Sciences, Criminology, University of Toronto; Vice President of Research and Academics, Waypoint Centre for Mental Health Care) as a new faculty member to the CPIN community.

Dr. Nathan Kolla joined Waypoint as the Vice-President of Research and Academics in June 2017. He is a psychiatrist and recently received a PhD in Neuroscience/Neuroimaging from the Institute of Medical Science, University of Toronto. He has also completed the U of T Department of Psychiatry Clinician Scientist Program and has a Master's of Science in Forensic Mental Health Science (Distinction) from the Institute of Psychiatry, King's College London. Dr. Kolla is an Assistant Professor of Psychiatry with U of T's Faculty of Medicine and holds a number of other academic appointments with the university. He has worked as a Staff Psychiatrist at the Centre for Addiction and Mental Health (CAMH) since 2011 and in the Minimum Secure Forensic Ward since 2014. He is also a Clinician Scientist in CAMH's Research Imaging Centre. Dr. Kolla will continue his research at CAMH in addition to his senior leadership role at Waypoint. His list of achievements is vast. He has received many awards and grants as an independent investigator, regularly presents across Canada, the United States and worldwide, and has authored and co-authored numerous publications, articles and chapters. He sits on the editorial board of the Journal of the American Academy of Psychiatry and the Law.

## Welcome New CPIN Students

Last Name	First Name	Home Unit	Degree	Supervisor
Alemu	Robel	Institute of Medical Science	MSc	Dr. Karen Gordon
Al-Ozzi	Tameem	Psychology	MSc	Dr. William D. Hutchison
Baharikhoob	Paria	Institute of Medical Science	MSc	Dr. Nathan Kolla
Boachie	Nadia	Institute of Medical Science	MSc	Dr. Isabelle Boileau
Cardenas	Analyssa	Rehabilitation Science	MSc	Dr. Darcy Fehlings

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### Welcome New CPIN Students (continued)

Last Name	First Name	Home Unit	Degree	Supervisor
Cermak	Carly	Rehabilitation Science	PhD	Dr. Deryk Beal
Chan	Nathan	Institute of Medical Science	MSc	Dr. Ariel Graff-Guerrero
Chatterjee	Dipashree	Psychology	MSc	Dr. Etienne Sibille
Elias	Gavin	Institute of Medical Science	MSc	Dr. Dr. Andres Lozano
Esmaelbeigi	Azin	Medical Biophysics	MSc	Dr. Jean Chen
Faidi	Rania	Institute of Medical Science	MSc	Dr. Aylin Reid
Firouzian	Shahrzad	Institute of Medical Science	MSc	Dr. Karen Davis
Gaudette	Erin	Institute of Medical Science	MSc	Dr. Isabelle Boileau
Ghazisaeidi	Shahrzad	Psychology	PhD	Dr. Michael Salter
Gong	Haifan	Psychology	MSc	Dr. Hong-Shuo Sun
Green	Duncan	Institute of Medical Science	MSc	Dr. Isabelle Boileau
Jervis Rademeyer	Hope	Rehabilitation Science	PhD	Dr. Kristin Musselman
Lalang	Nittha	Pharmacology & Toxicology	MSc	Dr. Romina Mizrahi
Lee	Shiron	Pharmaceutical Sciences	MSc	Dr. David Hampson
Lepock	Jennifer	Institute of Medical Science	PhD	Dr. Romina Mizrahi; Dr. Michael Kiang
Nakua	Hajer	Institute of Medical Science	MSc	Dr. Stephanie Ameis
Nealy	Kyle	Psychology	MA	Dr. Katherine Duncan
Noorani	Alborz	Institute of Medical Science	MSc	Dr. Mojgan Hodaie
Oremakinde	Adetunji	Institute of Medical Science	PhD	Dr. Tarek Rajji
Ozdemir	Gokce	Institute of Medical Science	MSc	Dr. Michael Fehlings
Rahman	Mouly	Cell and Systems Biology	MSc	Dr. Patrick McGowan
Richard	Nicole	Music	PhD	Dr. Michael Thaut
Ryan	Jennifer	Rehabilitation Science	PhD	Dr. Deryk Beal, Virginia Wright
Rybkina	Julia	Rehabilitation Science	MSc	Dr. Robin Green
Tam	Theresa	Psychology	MSc	Dr. Michael Salter
Tran	Stephanie	Institute of Medical Science	PhD	Dr. Robert Chen
Wu	Wennie	Institute of Medical Science	MSc	Dr. Leon French
Zhang	Yu Tong (Shirley)	Laboratory Medicine and Pathobiology	MSc	Dr. Suneil Kalia

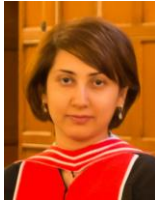
# Collaborative Program in Neuroscience (CPIN)

## University of Toronto

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### News - CPIN Students

[http://www.neuroscience.utoronto.ca/communications/news\\_cpin\\_students.htm](http://www.neuroscience.utoronto.ca/communications/news_cpin_students.htm)



Congratulations to CPIN student member **Ayda Ghahremani** (Krembil Research Institute; Institute of Medical Science, U of T) on recently completing the CPIN requirements and graduating from her PhD program.

Ayda's research focused on understanding how the basal ganglia, in particular the subthalamic nucleus, works during cognitive control given the unique opportunity provided by deep brain stimulation surgeries in Parkinson's disease. Her recent first-author Ph.D. publication in the *Annals of Neurology* used a novel technique for deep brain stimulation for the first time in humans to study the dynamics of basal ganglia circuitry during cognitive control. In this work, she delivered event-related deep brain stimulation to the subthalamic nucleus of the basal ganglia in short trains of stimuli time-locked to different phases of an action control task that conveyed conflicting information to the subject. When applied in the preparatory interval, event-related stimulation reduced conflict-induced slowing. In contrast, stimulation applied in the early response period decreased response accuracy. This period coincided with the increase in the subthalamic low-frequency (4-8Hz) activity. These results support the theory that low-frequency oscillations in the subthalamic nucleus correspond to a conflict-processing function and advance our fundamental knowledge of how the basal ganglia work during action control. This research and the novel experimental method of event-related deep brain stimulation are expected to bring a paradigm shift in using deep brain stimulation to study human cognition.

Ghahremani, A., Aron, A.R., Udupa, K., Saha, U., Reddy, D., Hutchison, W.D., Kalia, S.K., Hodaie, M., Lozano, A.M. and Chen, R., 2018. Event-related deep brain stimulation of the subthalamic nucleus affects conflict processing. *Annals of neurology*.

Link: <https://onlinelibrary.wiley.com/doi/abs/10.1002/ana.25312>

Overall, her contributions involved 10 publications, 4 of which have been the first-author contributions. She also combined her PhD work with international and national visiting scholarships.

Ayda has been the recipient of Graduate Fellowship in Neuroscience, Queen Elizabeth II Scholarship in Science and Technology, Margaret & Howard GAMBLE Research Grant, Unilever/Lipton Graduate Fellowships in Neurosciences, University-Wide Award: Norman Stuart Robertson Fellowship, various travel awards, and involved in preparing grant applications funded by NIH, Weston Brain Institute, and Dystonia Coalition. She has served as a Neurotalk leader in CPIN student committee and as a journalist in the IMS magazine. She continues her research by joining Dr. Vinod Menon's lab at Stanford University.

### Congratulations CPIN Graduating Students

[http://www.neuroscience.utoronto.ca/communications/news\\_cpin\\_students.htm](http://www.neuroscience.utoronto.ca/communications/news_cpin_students.htm)



Congratulations to CPIN student member **Tania Da Silva** (CAMH; Institute of Medical Science, U of T) on recently completing the CPIN requirements and graduating from her MSc program.

Her research at CAMH focused on investigating microglial activation and glutathione in regular cannabis users using PET and MR imaging, under the supervision of Dr. Romina Mizrahi. Tania has authored 4 publications, one of which she is first author (Da Silva et al., *International Journal of Neuropsychopharmacology*, 2017). Tania was also awarded the University of Toronto Fellowships and the SGS Conference Grant.

During her MSc studies, Tania was also involved in extracurricular and leadership activities. She served as Vice-President of Operations (2016-2017) for the Institute of Medical Science Student Association (IMSSA), and Apparel lead and member at large (2015-2016) the previous year. She is also a volunteer at Mount Sinai Hospital, and part of the CPIN Undergraduate Mentorship Program. Following her MSc, Tania hopes to continue in the field of research and pursue a career as a clinician scientist.

## Congratulations CPIN Graduating Students (continued)

[http://www.neuroscience.utoronto.ca/communications/news\\_cpिन\\_students.htm](http://www.neuroscience.utoronto.ca/communications/news_cpिन_students.htm)



Congratulations to CPIN student member **Alicia Hilderley** (Holland Bloorview Kids Rehabilitation Hospital; Rehabilitation Sciences, U of T) on recently completing the CPIN requirements and graduating from her PhD program.

Her research explored neuroplasticity following physical training programs for children with cerebral palsy using functional MRI. Alicia secured project funding as a co-investigator on an international grant and led the funded randomized feasibility trial. Alicia also received local, provincial, and international scholarships (over \$100,000), including the 2017 Jonathan Dostrovsky Award in Neuroscience. She received multiple travel awards to present her research, and twice received best conference poster awards. As a CPIN trainee, she published three peer-reviewed articles (first author), with four articles in preparation (first and co-senior author).

Alicia was a recipient of the 2018 Gordon Cressy Student Leadership Award. Her leadership activities included active involvement in the Bloorview Research Institute Trainee Executive, mentorship of undergraduate and graduate students in research and professional placements, and creation of opportunities for fellow Kinesiology graduates to engage in pediatric clinical research. Throughout her training she also volunteered in community adapted physical activity programs.

Alicia is now a postdoctoral fellow at the University of Calgary and Alberta Children's Hospital. Her career goal is to become a clinician scientist in pediatric neurorehabilitation.

### Congratulations to the following students on recently completing the CPIN requirements:



**Name: Moushumi Nath**  
Program: MSc  
Department: Physiology  
Supervisor: Dr. Paul Frankland  
Thesis Title: The Role of Perineuronal Nets in Learning and Memory



**Name: Erik Friesen**  
Program: MSc  
Department: Laboratory Medicine and Pathobiology  
Supervisor: Dr. Suneil Kalia  
Thesis Title: Characterizing the Bcl-2 Associated Athanogene 5 Interactome in the Context of Parkinson's Disease



**Name: Myles Resnick**  
Program: MSc  
Department: Rehabilitation Science  
Supervisor: Dr. George Mochizuki  
Thesis Title: Assessing Velocity-Dependent Features of Post-Stroke Spasticity Using Robotic Assessment Methods



**Name: Vinoja Charathchandra Sebanayagam**  
Program: MSc  
Department: Institute of Medical Science  
Supervisor: Dr. Jennifer Ryan  
Thesis Title: Multi-Scale Entropy (MSE) of Eye Movements

# Collaborative Program in Neuroscience (CPIN)

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### Congratulations CPIN Graduating Students (continued)

Last Name	First Name	Home Unit	Degree	Supervisor
Binko	Mary	PSL	MSc	Dr. Evelyn Lambe
Choi	Kyung An Brian	REHSC	MSc	Dr. Paulo Koeberle
Chung	Jun ku	IMS	PhD	Dr. Ariel Graff
de Snoo	Mitchell	LMP	MSc	Dr. Suneil Kalia
Dragas	Rachel	IMS	MSc	Dr. Michael Fehlings
Glass	Torin	IMS	MSc	Dr. Steven Miller
Green	Stephanie Lynn	REHSC	PhD	Dr. Michelle Keightley
Grykuliak	Kevin	MBP	MSc	Dr. Kullervo Hynynen
Hawrysh	Peter John	CSB	PhD	Dr. Leslie Buck
Ing	Sonja	IBBME	MASc	Dr. Molly Shoichet
Isayama	Reina	IMS	MSc	Dr. Robert Chen
Jones	Cheryl	MUS	PhD	Dr. Lee Bartel
Katz	Chaim	IBBME	MHSc	Dr. Taufik Valiante
Leung	Rachel	PSY	PhD	Dr. Margot J. Taylor
Liu	Nancy	IMS	MSc	Dr. Cindi Morshead
Mohamed	Jabir	IMS	MSc	Dr. McIntyre Burnham
Mokhberi	Maryam	IBBME	MASc	Dr. Tom Chau
Paniccia	Melissa	REHSC	PhD	Dr. Nick Reed
Patel	Ingita	PHM	MSc	Dr. Robert Bonin
Pinchefskey	Elana	IMS	MSc	Dr. Emily Tam and Dr. Steven Miller
Plitman	Eric	IMS	PhD	Dr. Ariel Graff
Polonenko	Melissa	IMS	PhD	Dr. Karen Gordon
Propp	Lee	APHD	MA	Dr. Anne-Claude Bedard
Quinn de Launay	Keelia	REHSC	MSc	Dr. Deryk Beal
Raitsin	Sofia	IMS	PhD	Dr. Jeffrey Meyer
Richard	Nicole	MUS	MA	Dr. Michael Thaut
Russo	Melissa	PCL	MSc	Dr. Anh Dzung Le
Saeed	Usman	IMS	MSc	Dr. Mario Masellis and Dr. Sandra Black
Solarski	Michael	LMP	MSc	Dr. Gerold Schmitt-Ulms
Sweeny	Michelle	REHSC	MSc	Dr. George Mochizuki
Tabbarah	Sami	PSL	MSc	Dr. Philippe Monnier
Takkala	Petri	IMS	PhD	Dr. Steven Prescott
Tso	Michael Kai-Man	IMS	PhD	Dr. R. Loch Macdonald
Wong	Yuen Yan	CSB	MSc	Dr. Adriano Senatore
Workewych	Adriana	IMS	MSc	Dr. Michael Cusimano

# Collaborative Program in Neuroscience (CPIN) University of Toronto

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## 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](http://neuroscience.utoronto.ca/events/Conf_M.htm)



## 2018 GAIRDNER SYMPOSIA

[Gairdner.org/events-upcoming](http://Gairdner.org/events-upcoming)

**WEDNESDAY  
OCTOBER 24, 2018  
9:00 AM – 1:00 PM**  
MacLeod Auditorium,  
Medical Sciences  
Building, University  
of Toronto  
**LIVE WEBCAST:**  
[bit.ly/Gairdner2018](http://bit.ly/Gairdner2018)

## LET THERE BE LIGHT Optogenetics in Neuroscience and Beyond



### Leslie Vosshall

**Thirsty for blood: How mosquitoes hunt humans and how we can stop them**

Robin Chemers Neustein Professor; Head of the Laboratory of Neurogenetics and Behavior; Director, Kavli Neural Systems Institute, The Rockefeller University; New York, NY, USA



### Hailan Hu

**Rapid antidepressant mechanism of ketamine**  
Professor, Senior Investigator, Zhejiang University, Hangzhou, China



### Yang Dan

**Neural circuits controlling sleep**

Paul Licht Distinguished Professor in Biology; Investigator, Howard Hughes Medical Institute, University of California Berkeley, Berkeley, CA, USA



### Susumu Tonegawa

**The power of optogenetics in memory research**

Picower Professor of Biology and Neuroscience; Director, RIKEN-MIT Center for Neural Circuit Genetics; Principal Investigator, Howard Hughes Medical Institute; Principal Investigator, Tonegawa Lab at MIT, Massachusetts Institute of Technology, Cambridge, MA, USA



### Jared Toettcher

**Intracellular optogenetics: Moving proteins and assembling organelles to program cell behavior**

Assistant Professor of Molecular Biology, Princeton University, Princeton, NJ, USA



### Sheena Josselyn

**Making and breaking memories**

Senior Scientist, Neurosciences & Mental Health, Hospital for Sick Children, Toronto, ON, Canada

Meet the speakers at a post-symposium reception.

REGISTER HERE: <http://optogenetics.rsvpify.com>







# Collaborative Program in Neuroscience (CPIN)

## University of Toronto

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## Neuroscience Opportunities

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[http://www.neuroscience.utoronto.ca/communications/Positions\\_Available.htm](http://www.neuroscience.utoronto.ca/communications/Positions_Available.htm)

### Research Associate Positions

#### University of Toronto, Toronto, ON, Canada

**Description:** We are seeking to hire a full-time Research Associate (with Ph.D. degree) or a technician (with B.Sc. or M.Sc. degree) to conduct laboratory experiments assessing the efficacy of gene therapy treatments in rodent models of neurological disorders. Specifically, our research at the University of Toronto is directed towards the study of neurodevelopmental disorders caused by gene mutations, and the development of treatments for these conditions. Duties and areas of expertise include conducting in vivo experiments in rodents that encompass (1) various behavioral analyses and (2) EEG recordings.

Skill set requirements: Prior hands-on experience working with mice and/or rats, plus established and documented expertise as listed above. Strong communication and organizational skills; self-motivated with an ability to multi-task; ability to work in a collaborative group of multi-disciplinary researchers and trainees. This is a twelve-month term position at 1.0 FTE with the opportunity for renewal. Salary is competitive and commensurate with qualifications. Please send cover letter and CV to:

[d.hampson@utoronto.ca](mailto:d.hampson@utoronto.ca)

### Postdoctoral Fellow Positions

#### Post-Doctoral Position

#### Robarts Research Institute, Schulich School of Medicine & Dentistry at Western University

**Description:** Qualified applicants for this position should have a PhD degree in Medical Biophysics, Physics, Biomedical Engineering, Computer Science, or a related discipline, with significant expertise in the development of image processing pipelines. For posting details and application instructions please see link:

[http://www.neuroscience.utoronto.ca/Assets/Neuroscience+Digital+Assets/Neuroscience/UTNP+Digital+Assets/events+and+seminars/2018-2019/Prado-Bartha\\_PDF+advertise+\(2\).pdf](http://www.neuroscience.utoronto.ca/Assets/Neuroscience+Digital+Assets/Neuroscience/UTNP+Digital+Assets/events+and+seminars/2018-2019/Prado-Bartha_PDF+advertise+(2).pdf)

#### Postdoctoral Fellow

#### Global Mental Health, CAMH

**Description:** A postdoctoral fellowship opportunity at the Centre for Addiction and Mental Health (CAMH) is available immediately in the area of global mental health. Learning experiences involve various aspects of managing and planning international collaborative projects involving social determinants and underprivileged populations in developing nations, including but not limited to funding proposals/applications, implementation, coordination and data collection.

Qualifications: The successful candidate will have a doctoral degree in mental health, public health or in a related area.

Experience with international collaborations, statistical analysis, scientific writing and excellent oral communication skills would be beneficial. Proficiency in a second language such as Spanish is an asset.

Salary: Will conform to standard institutional guidelines.

Please forward your resume to: [psych.fellows@utoronto.ca](mailto:psych.fellows@utoronto.ca)

### Faculty Positions

#### Tenure Track Position

#### Department of Psychology, St. Francis Xavier University

**Description:** The Department of Psychology at St. Francis Xavier University is seeking applications for a tenure track position in Neuroscience with a specialization in any area including, but not limited to, behavioural, cognitive, clinical, developmental, physiological, or social. The appointment will be made at the rank of Assistant Professor. Candidates will have a demonstrated ability and potential for excellence in teaching. Consideration will be given to candidates with a completed Ph.D. and an active research program. Ability to teach undergraduate courses in Neuroscience is required and ability and willingness to teach undergraduate Research Methods and Statistics is a strong asset. A summary of teaching experience, a statement of teaching philosophy and interests, and an outline of current and future plans for research and/or practice should accompany the letter of application. A curriculum vitae, letter of application, and the names, addresses (including email) and telephone numbers of three (3) references should be sent to Dr. Peter McCormick, Chair, Department of Psychology, St. Francis Xavier University, P.O. Box 5000, Antigonish, N.S., B2G 2W5. Applicants are encouraged to apply by email. Send material to [psychology@stfx.ca](mailto:psychology@stfx.ca) All qualified candidates are encouraged to apply; however, priority will be given to Canadian citizens and permanent residents. St. Francis Xavier University is committed to employment equity.

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

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## Neuroscience Opportunities (continued)

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[http://www.neuroscience.utoronto.ca/communications/Positions\\_Available.htm](http://www.neuroscience.utoronto.ca/communications/Positions_Available.htm)

### Faculty Positions (continued)

**Professor - James B. Bassingthwaight Chair in Integrative Physiology**  
**Department of Physiology and the Donnelly Centre for Cellular and Biomolecular Research**  
**University of Toronto**

**Description:** The Department of Physiology and the Donnelly Centre for Cellular and Biomolecular Research invite applications for a tenure-stream appointment at the rank of Professor, with an effective start date of the appointment is January 1, 2019 or shortly thereafter. The successful candidate will be considered immediately for tenure and for appointment as the James B. Bassingthwaight Chair in Integrative Physiology, an endowed Chair position at the University of Toronto. The appointment as Chair will be for an initial 5 year term, renewable following a favorable review.

Job Closing: Oct 15, 2018, Open Until Filled

For further information see link: <https://utoronto.taleo.net/careersection/10050/jobdetail.ftl?job=1803754&tz=GMT-04:00>

**Scientist/Assistant Professor (2 Positions) – held jointly between the Research Institute, Hospital for Sick Children and Department of Physiology, University of Toronto**

**Description:** The Research Institute at the Hospital for Sick Children and the Department of Physiology at the University of Toronto (UofT) are accepting applications for two full-time permanent Scientists with nontenured faculty appointments at the rank of Assistant Professor, in the specialty area of neuroscience. The appointments are available immediately. The Search Committee is seeking two outstanding individuals with proven internationally recognized track records in any field of neuroscience, although applicants with an interest in the following areas are particularly encouraged to apply: developmental neuroscience, cellular and molecular neuroscience, systems neuroscience, human neurophysiology/neural dynamics.

For further information please see link:

[http://www.neuroscience.utoronto.ca/Assets/Neuroscience+Digital+Assets/Neuroscience/UTNP+Digital+Assets/Positions/2017-2018/2018-07-NMH\\_Physiology\\_Job+Ad\\_FINAL.pdf](http://www.neuroscience.utoronto.ca/Assets/Neuroscience+Digital+Assets/Neuroscience/UTNP+Digital+Assets/Positions/2017-2018/2018-07-NMH_Physiology_Job+Ad_FINAL.pdf)

Posting Date: July 4, 2018

## Reminders

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**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](http://www.neuroscience.utoronto.ca/events/lectureship/distinguished_lecturer_nominations.htm). Nominations will be reviewed by the CPIN Committee for approval. We are looking for speakers of diverse background and in particular female speakers.

**Submissions for News Updates** The CPIN Office requests trainee and faculty members to submit updates in research discoveries, events, and other achievements involving CPIN members. Please send your submissions to [p.neuroscience@utoronto.ca](mailto:p.neuroscience@utoronto.ca)

**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](https://twitter.com/CPIN_UofT)

**CPIN Student Completion Form** CPIN graduate students who have completed both their home department and CPIN trainee requirements must fill in the online completion form located at the link below:

[http://www.neuroscience.utoronto.ca/students/cpin\\_student\\_completion\\_form.htm](http://www.neuroscience.utoronto.ca/students/cpin_student_completion_form.htm)