

Collaborative Program in Neuroscience (CPIN)

University of Toronto

Newsletter – Vol. 35, No. 7 – March 2019

Featured In This Issue

Announcement: 2019 Jonathan Dostrovsky Awards in Neuroscience Please see page 3 for details.

2019 Toronto Brain Bee will be held on Friday, April 12, 2019 at the University of Toronto. Please visit our website for details:

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

CPIN Research Day will be held on **June 5, 2019**. Please mark your calendars and follow our newsletter, mailing lists and the CPIN website for upcoming details.

News – CPIN Faculty Members Congratulations to **Professor Melanie Woodin** on her appointment as Dean of U of T's Faculty of Arts and Science. Please see page 3 for details.

News – CPIN Faculty Members Congratulations to **Professor Graham Collingridge** on his appointment as Director of the Tanz Centre for Research in Neurodegenerative Diseases. Please see page 3 for details.

Welcome New CPIN Students Please see page 2 for details.

Congratulations Graduating Students Please see page 2 for details.

2018-19 CPIN Distinguished Lectureship Series

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



Speaker | **Frank Porreca**, PhD, Professor, Departments of Pharmacology and Anesthesiology, University of Arizona, Tucson

Title | *Dysregulation of descending pain modulatory circuits in stress-related functional pain disorders*

Date | **Friday, April 5, 2019, 11:00am**

Location | PB 850, Leslie L. Dan Pharmacy Building, 144 College St.

Host | Dr. Robert Bonin, Assistant Professor, Leslie Dan Faculty of Pharmacy and Department of Cell and Systems Biology, U of T



Speaker | **Fiona Doetsch**, PhD, Professor, Biozentrum, Center for Molecular Life Sciences, University of Basel, Switzerland

Title | *Going Global: Long-range Regulation of Adult Neural Stem Cells*

Date | **Tuesday, April 16, 2019, 10:00am**

Location | Red Seminar Room, Donnelly Centre, 160 College St.

Host | Derek van der Kooy, PhD, Professor, Department of Molecular Genetics, U of T

Co-sponsors | Collaborative Program in Neuroscience (CPIN);
Developmental Biology Program, Department of Molecular Genetics, U of T;
Ontario Institute of Regenerative Medicine

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.

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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2018-19 CPIN Distinguished Lectureship Series (continued)

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

Previous Distinguished Lectures held this month:



Speaker | **Carol Brayne** CBE MD, Director, Cambridge Institute of Public Health and Professor of Public Health Medicine, Department of Public Health and Primary Care, University of Cambridge, United Kingdom

Title | *What have we learnt about the ageing brain from population studies?*

Date | **Tuesday, March 19, 2019, 10:00am**

Location | MSB 2170, Medical Sciences Building, 1 King's College Circle

Host | Dr. Zhong-Ping Feng, Professor, Department of Physiology, Director, Collaborative Program In Neuroscience, U of T

Sponsor | Rotman Research Institute, Baycrest

Welcome New CPIN Students

<http://www.neuroscience.utoronto.ca/students/currentstudents.htm>

Last Name	First Name	Home Unit	Degree	Supervisor
Ansari	Rida	CSB	MSc	Dr. Tod Thiele
Pastore	Stephen	IMS	PhD	Dr. John Vincent
Phan	Lee	IMS	MSc	Dr. Elizabeth Pang
Skarsgard	Matthew	MBP	MSc	Dr. John Sled
Tomas	Vanessa	REHSC	PhD	Dr. Sally Lindsay

Congratulations CPIN Graduating Students

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

Last Name	First Name	Home Unit	Degree	Supervisor
Mapplebeck	Josiane	PSL	PhD	Dr. Michael Salter
Tagore	Abanti	IMS	MSc	Dr. Romina Mizrahi
Waito	Ashley	REHSC	PhD	Dr. Catriona Steele
Yini	Xxx (Virginia)	PHM	MSc	Dr. Robert Bonin

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

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

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

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

News - CPIN Faculty Members

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



Congratulations to **Professor Melanie Woodin** on her appointment as Dean of U of T's Faculty of Arts and Science.

From the U of T News pages:

“Professor Melanie Woodin, a neuroscientist in the department of cell and systems biology, will become the University of Toronto’s next dean of the Faculty of Arts & Science.

Woodin, who is currently the faculty’s vice-dean of interdivisional partnerships, will serve a five-year term beginning on July 1.”

To read the full article from the U of T News website, please click: <https://www.utoronto.ca/news/melanie-woodin-become-new-dean-u-t-s-faculty-arts-science>



Congratulations to **Professor Graham Collingridge** on his appointment as Director of the Tanz Centre for Research in Neurodegenerative Diseases.

In an announcement sent to the Department of Physiology on behalf of Dr. Trevor Young, Dean, Faculty of Medicine and Vice-Provost, Relations with Health Care Institutions, Dean Young states “Professor Graham Collingridge will be stepping down as Chair of the Department of Physiology to become Director of the Tanz Centre for Research in Neurodegenerative Diseases for a 5-year term effective May 1, 2019. He will continue as a Senior Investigator at the Lunenfeld-Tanenbaum Research Institute at Mount Sinai Hospital. [...]

Please join me in thanking Professor Collingridge for his leadership of the Department of Physiology, and congratulating him on his new appointment.”

A special issue of Neurochemical Research in Honor of Graham L Collingridge can be found at: <https://link.springer.com/journal/11064/44/3>

Jonathan Dostrovsky Award in Neuroscience

http://www.neuroscience.utoronto.ca/award_opportunities/jonathan_dostrovsky_award.htm



Effective 2019 there will be two Jonathan Dostrovsky Awards in Neuroscience for outstanding achievement in graduate neuroscience research towards a Ph.D. degree.

- 1 Junior Award: Outstanding achievement in initial graduate neuroscience research (<2 years in Ph.D. program)
- 1 Senior Award: Outstanding achievement in graduate neuroscience research towards a Ph.D. degree (< 4 years in Ph.D. program)

Awards Overview:

Student Application Deadline: April 30, 2019 for the 2019 award

Where to apply: Office of the Collaborative Program in Neuroscience

Value of the annual awards: Each award will be \$1000 (for the 2019 award)

Duration of award: 1 year

Level of study: Graduate Studies

Purpose:

Established by the generosity of Dr. Jonathan Dostrovsky, these annual awards recognize and support excellence amongst graduate students enrolled in the Collaborative Program in Neuroscience and will be selected based on academic merit.

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Newsletter – Vol. 35, No. 7 – March 2019

Jonathan Dostrovsky Award in Neuroscience (continued)

http://www.neuroscience.utoronto.ca/award_opportunities/jonathan_dostrovsky_award.htm

Dr. Jonathan Dostrovsky:

Dr. Dostrovsky completed his undergraduate studies in physics and mathematics at the Israel Institute of Technology in 1969 and then proceeded to graduate studies in the Department of Physiology at University College London where he obtained his M.Sc. degree in 1971 under the supervision of John O'Keefe. His master's research project with O'Keefe led to the important discovery of 'place cells' in the hippocampus, and their seminal paper describing their findings has become a cornerstone in the field of spatial navigation and hippocampal function. Dr. Dostrovsky moved to Toronto where he obtained his PhD degree in the Zoology Dept. in 1974 for studies on pain processing in the spinal cord. Following 3-years of postdoctoral research in London on the somatosensory system with special emphasis on plasticity, with Pat Wall, he returned to the University of Toronto to take up a position in the Department of Physiology. He was promoted full professor in 1989 and is currently a Professor Emeritus in the Department of Physiology and Faculty of Dentistry.

Throughout his career Dr. Dostrovsky has made significant advances in our understanding of the neurophysiological basis of pain perception, somatosensory information processing, brain plasticity and basal-ganglia related movement disorders. A hallmark of these studies is the elegant combination of experiments executed in various animal models and in humans. For example, data from the Dostrovsky lab shed light on how thermal and noxious information is processed at the level of the thalamus in humans and in a rat model of allodynia. In a publication in Nature, Dr. Dostrovsky demonstrated how thalamic networks could contribute to phantom sensations in amputees. He also studied this question in animal models, where the plasticity of the sensory map in thalamic networks was demonstrated in rats after the removal of the hind-limb input. In a series of elegant studies he has unveiled the relationship between movement disorders and altered basal ganglia oscillatory activity. These studies have significantly contributed to our current understanding of central physiological mechanisms in the somatosensory and motor networks which underlie our perception of tactile, thermal and painful stimuli and the pathophysiological alterations that occur following certain traumatic or disease-induced injuries to the nervous system.

Dr. Dostrovsky was also very actively involved in neuroscience education at the University at the undergraduate, graduate and postdoctoral levels, and has served on many committees at all levels. In particular he served as Director of CPIN from 1993 to 2008, and as the President / Vice President of the Canadian Association for Neuroscience from 2003 to 2007.

Eligibility:

Junior Award: Outstanding achievement in initial graduate neuroscience research

Eligibility: student must be in her/ his Ph.D. studies less than 2 years, and registered in CPIN at time of application

Senior Award: Outstanding achievement in graduate neuroscience research towards a Ph.D. degree

Eligibility: student must be in her/ his Ph.D. studies less than 4 years, and registered in CPIN at time of application.

Selection Criteria:

The recipients of the awards will be selected by a committee appointed by the Collaborative Program in Neuroscience for this purpose. The committee will make their decision based on, but not limited to, the following criteria: intellect, originality and judgement, research skills, independent research potential, motivation, and progress in research towards their graduate degrees.

Application Process:

All applicants must complete the official application form at the CPIN website

(http://www.neuroscience.utoronto.ca/award_opportunities/jonathan_dostrovsky_award.htm)

Completed applications will include the following:

- CV including Education; Awards received; Publications, including presentations (oral, poster), publications Papers (refereed), (non-refereed), Books, Abstracts, honors and scholarships/ grants. In publications listed include brief mention of student's contribution to the work and paper published; and Extracurricular activities/ Leadership activities and positions held,
- 3 letters of support (minimum 2), including one from the student's supervisor, to be sent in PDF format to the CPIN Office (p.neuroscience@utoronto.ca) directly from the issuing professor's official email address
- Summary of student's current research project (1 page maximum)
- Future career plans (1/ 2 page maximum)

Results: All applicants will be notified of the results of the competition at the 2019 CPIN Research Day (summer 2019).

Contact Info: For more information, please contact the CPIN Office; Tel. (416) 978-8637; E-mail: p.neuroscience@utoronto.ca