

Collaborative Program in Neuroscience (CPIN)

University of Toronto

Newsletter – Vol. 35, No. 5 – January 2019

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Welcome New CPIN Faculty We welcome **Dr. Liliana Attisano** and **Dr. Michael Reber** to the CPIN community. Please see page 2 for details.

News – CPIN Trainees Congratulations to CPIN student member **Raphael Schneider** on his accomplishments and recently completing his CPIN requirements. Please see page 3 for details.

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2018-19 CPIN Distinguished Lectureship Series

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



Speaker | **Dr. Amar Sahay**, Principal Faculty, Harvard Stem Cell Institute, Associate Member, Broad Institute of MIT and Harvard, Associate Professor, Center for Regenerative Medicine, Department of Psychiatry, Massachusetts General Hospital, Harvard Medical School

Title | *Inhibitory interneurons: Gatekeepers of indexing, discrimination and generalization*

Date | **Wednesday, January 23, 2019, 4:00pm**

Location | Room MSB 2170, Medical Sciences Building, University of Toronto, 1 King's College Circle

Host | Dr. Paul Frankland, Professor, Departments of Psychology and Physiology, IMS, UofT; Senior Scientist, Neuroscience & Mental Health, SickKids Hospital



Speaker | **Dr. Carol Marchetto**, Senior Staff Scientist, Salk Institute for Biological Studies, La Jolla, California

Title | *Using stem cell models to study Bipolar Disorders and neuroinflammation*

Date | **Friday, February 8, 2019, 1:00pm**

Location | Main Auditorium, West Wing, 2nd floor, Rm 401, Toronto Western Hospital, 399 Bathurst St, Toronto, ON

Host | Dr. Cathy Barr, Senior Scientist, Krembil Research Institute, UHN; Senior Scientist, The Hospital for Sick Children (SickKids); Professor, Department of Psychiatry, Physiology, Institute of Medical Science, UofT

Sponsor | Krembil Research Institute

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.

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 Committee for approval. We are looking for speakers of diverse background and in particular female speakers.

CPIN Newsletter

Zhong-Ping Feng
Director
CPIN
Graduate Studies

Iulia Park
Administrator
CPIN Office

CPIN Office
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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Welcome New CPIN Faculty Members

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



We would like to welcome **Dr. Liliana Attisano** (Professor, Department of Biochemistry and Donnelly Centre, University of Toronto) as a new faculty member to the CPIN community.

Dr. Attisano completed her PhD at the University of Toronto and conducted post-doctoral research at Memorial Sloan-Kettering Cancer Center, NYC, NY.

Dr. Attisano's laboratory focusses on understanding how intracellular signaling cascades receive and then transmit extracellular signals and thereby modulate complex biological responses. Current areas of particular interest are the Hippo, Wnt and TGFbeta signaling pathways, whose disruptions are associated with numerous cancers. Her lab also studies pathways that regulate neuronal morphology, including the formation of axons and dendrites in primary neurons. More recently the lab has established an efficient method to generate human cerebral organoids and is using this system to model human brain development and disease.



We would like to welcome **Dr. Michael Reber** (Associate Professor, Department of Ophthalmology and Vision Science, Department of Cell and System Biology, Department of Laboratory Medicine and Pathobiology, University of Toronto; Senior Scientist, Donald K. Johnson Eye Institute, Krembil Research Institute) as a new faculty member to the CPIN community.

Michael Reber obtained his Ph.D. in Human Genetics from University Diderot, Paris (FR) and moved to The Salk Institute in San Diego, CA as a research associate to study neuroscience in Lemke's lab. Since then, he has been focusing on the development of the visual system, particularly the formation of the network between the eye and the brain in normal and eye diseases conditions. He obtained a position as a scientist/ professor at the Institute for Health and Biomedical Research in Strasbourg, (FR).

In 2018, he joined the Donald K. Johnson Eye Institute at the Krembil Research Institute, University Health Network in Toronto to pursue his work on visual network formation and function.

Dr. Reber's research interests include visual system connectivity, visual information processing, retinal - optic nerve diseases, biomaterials, and visual rehabilitation VR.

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

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

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Welcome New CPIN Students

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

Last Name	First Name	Home Unit	Degree	Supervisor
Alanazi	Rahmah	PSL	PhD	Dr. Hong-Shuo Sun
Eide	Sarah	PSL	MSc	Dr. Zhong-Ping Feng
Zain	Maham	PHM	MSc	Dr. Robert Bonin

Postdoctoral Fellows

Last Name	First Name	Home Unit	Supervisor
Abela	Andrew	Centre for Addiction & Mental Health	Dr. Paul Fletcher
Tomaszcyk	Jennifer	Toronto Western Research Institute, UHN	Dr. Andres Lozano

Congratulations CPIN Graduating Students

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

Last Name	First Name	Home Unit	Degree	Supervisor
Cai	Sammy	PSL	MSc	Dr. Zhengping Jia
Schneider	Raphael	LMP	PhD	Dr. Janice Robertson
Szeto	Vivian Ying	PSL	MSc	Dr. Zhong-Ping Feng

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

News - CPIN Trainees

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



Congratulations to CPIN student member **Raphael Schneider** (Laboratory Medicine and Pathobiology, Tanz Centre for Research in Neurodegenerative Diseases, Dr. Janice Robertson) on recently completing the CPIN requirements and graduating from his PhD program.

Raphael joined Dr. Robertson's laboratory during his neurology residency at the University of Toronto. He investigated microRNAs as cerebrospinal fluid (CSF) biomarkers in amyotrophic lateral sclerosis (ALS) and frontotemporal dementia (FTD) using samples he collected in the ALS clinic at Sunnybrook and samples he obtained through collaboration with Dr. Carmela Tartaglia and the Genetic Frontotemporal Dementia Initiative (GENFI). After successful completion of his neurology residency in 2016, he transitioned to a combined ALS research and clinical fellowship, a 2-year award from ALS Canada, under the co-supervision of Dr. Robertson and Dr. Lorne Zinman.

Raphael has presented aspects of this work in form of oral presentations at national and international meetings. He is first or co-first author of two recent peer-reviewed publications on microRNAs in neurodegenerative diseases.

Raphael has recently accepted a position as a Neurologist at St. Michael's Hospital, Toronto. His goal is to combine CSF and blood biomarkers for more individualized treatment approaches.

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

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Neuroscience Opportunities

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

Graduate Student Opportunities

Teaching Internship

The CAN-IBRO School

Description: The CAN-IBRO School has a new initiative that offers 2 teaching internships for senior graduate students/ postdocs who have an interest in helping to promote neuroscience education and research in resource-limited countries and who are interested to learn, first-hand, the challenges and opportunities for researchers in Africa and Latin America. [Please click here for description and application instructions.](#)

Deadline for applications: February 28, 2019

PhD Position

Groningen Institute for Evolutionary Life Sciences (GELIFES)

Description: The Groningen Institute for Evolutionary Life Sciences (GELIFES) offers a 4-years NWO-funded PhD position for a project on the Genetic dissection of a neuronal circuit under sexual conflict, with *Drosophila melanogaster* as a model system. [Please click here for details and application instructions.](#)

Closing date: February 14, 2019

Postdoctoral Opportunities

Postdoctoral Position

Laboratory of Dr. Graham Collingridge

Lunenfeld –Tanenbaum Research Institute, Mount Sinai Hospital (affiliated with University of Toronto)

Description: The Laboratory of Dr. Graham Collingridge, located at the Lunenfeld –Tanenbaum Research Institute of Mount Sinai Hospital (affiliated with University of Toronto) is currently seeking a highly motivated post-doctoral fellow skilled in electrophysiology (preferably with both extracellular and whole-cell voltage clamp recording experience) as well as imaging. The lab is studying synaptic plasticity mechanisms, with a focus on the role of glutamate receptors and the hippocampus in health and disease models. [Click here for details and application instructions](#)

Postdoctoral Position

Western Medical Innovation Fellowship program (MIF)

Western University

Description: We are seeking 3 – 6 highly qualified individuals from a variety of backgrounds who can offer their unique skillsets in contribution to the program. [Click here for posting details and application instructions.](#)

The closing date for applications is January 31, 2019.

Faculty Opportunities

Canada Research Chair (Tier 2) in Cell Biology

Tenure-track

Biology - Faculty of Science

University of Victoria

Description: The Department of Biology seeks applications for a Tier 2 Canada Research Chair (CRC) in Cell Biology. The successful applicant will be nominated by the University of Victoria for a Tier 2 CRC and, upon approval of the Chair by the CRC Secretariat, will be offered a tenure-track appointment at the appropriate rank. We are a diverse department that fosters a collegial and collaborative environment. Candidates who share this vision and can build tangible links to our department's strengths in developmental biology, cellular neuroscience and/ or evolutionary biology/ genetics are especially encouraged to apply. https://www.uvic.ca/opportunities/faculty-librarian/current/biology_crc_270_114.php

Date posted: December 18, 2018

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