

# Collaborative Program in Neuroscience (CPIN) University of Toronto

Newsletter – Vol. 29, No. 7 – September 2013

## Announcements

**CPIN Administration Change** The CPIN administration has undergone a period of transition. We would like to extend our thanks to the previous CPIN Business Officer, Ms. Victoria Simpson, and offer a warm welcome to our new Administrator, Elissa Caccavella.

**New CPIN Participating Unit** The Faculty of Music has been officially approved to join CPIN as a participating unit. CPIN looks forward to collaborating with students and faculty from the Music Program.

**Welcome New Member of the CPIN Board of Directors** The Board of Directors is pleased to welcome the new member, Professor Lee Bartel, Associate Dean of Research at the Faculty of Music.

**Welcome New Member of the CPIN Executive Committee** The Executive Committee is pleased to welcome new member Professor Ofer Levi to represent IBBME.

**Welcome New Member of the CPIN Academic Committee** The Academic Committee is pleased to welcome new member Professor Robert Chen to represent IMS.

**Acknowledgements** We would like to thank Professor Molly Shoichet (IBBME) for her role on the CPIN Executive Committee, and Professor Peter Carlen (IMS) for his role on the CPIN Academic Committee, as well as for their support of the CPIN program over the past years.

**Congratulations CPIN Graduates** Congratulations to the 15 students who completed the CPIN program over the summer. See page 3 for details.

**Welcome New CPIN Students** CPIN is pleased to welcome 16 new students to the program. See page 3 for details. Program requirements can be found on the CPIN Website: <http://www.neuroscience.utoronto.ca/students2013/requirements2010.htm>

**CPIN Annual Report** The CPIN Annual Report summarizes the major activities and events in 2012-2013. It was published in July 2013, and can be found on the CPIN Website: <http://www.neuroscience.utoronto.ca/communications/annualreports.htm>

**Toronto Brain Bee Summer Research Placement** CPIN would like to extend thanks to Morgan Barense (Psychology), Isabelle Aubert (Laboratory Medicine and Pathobiology; Sunnybrook Research Institute), and Zhong-Ping Feng (Physiology) for providing summer research placements to the top three winners of the Toronto Brain Bee for the summer, Sophia Ly, Mithunan Ravindran, and Olivia Ly.

## CPIN Newsletter

Zhong-Ping Feng  
Director  
CPIN  
Graduate Studies

Elissa Caccavella  
Administrator  
CPIN Office

Katie Ferguson  
Vladislav Sekulić  
Communications  
CPIN Graduate Executives

**CPIN Office**  
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## Upcoming Events

**CPIN Distinguished Lectureship Series 2013-2014** (<http://www.neuroscience.utoronto.ca/events/lectureship.htm>)



Speaker | **Dr. Josep Rizo**, Professor, Departments of Biophysics, Biochemistry and Pharmacology, University of Texas, Southwestern Medical Center at Dallas  
Title | *Reconstituting basic steps of synaptic vesicle fusion*  
Date | Thursday, September 19, 2013  
Time | 2:00 pm  
Location | Room 131, Banting Institute (100 College St.)  
Host | Shuzo Sugita, PhD  
Co-Sponsors | BRAIN Platform & Department of Physiology

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## Upcoming Events (continued)

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**CPIN Distinguished Lectureship Series 2013-2014** (<http://www.neuroscience.utoronto.ca/events/lectureship.htm>)



Speaker | **Dean Buonomano**, PhD, Departments of Neurobiology and Psychology, University of California, Los Angeles

Title | *Time and the Brain*

Date | Friday, October 4, 2013

Time | 4:00 pm

Location | Room 108, Koffler House (569 Spadina Crescent)

Host | Sheena Josselyn, PhD

Co-Sponsor | Psychology Brain & Behaviour Seminar Series

**CPIN – UofT Cortex Club** (<http://www.neuroscience.utoronto.ca/events/cortexclub.htm>)

Title | *Unravelling the mechanism of synaptotagmin-1 action*

Speaker | **Dr. Josep Rizo**, Professor, Departments of Biophysics, Biochemistry and Pharmacology, University of Texas, Southwestern Medical Center at Dallas

Date | Wednesday, September 18th, 2013

Time | 5:00 pm

Location | Graduate Student's Union Pub (16 Bancroft Avenue)

**UofT Neuroscience Seminars** For more information, visit: <http://neuroscience.utoronto.ca/events/seminar.htm>

**Conferences and Meetings** For more information, visit: [http://neuroscience.utoronto.ca/events/Conf\\_M.htm](http://neuroscience.utoronto.ca/events/Conf_M.htm)

## News from CPIN Members

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**Dianne Broussard** (Dept. of Medicine) has published a new book about the cerebellum. "The Cerebellum: Learning Movement, Language, and Social Skills" provides an accessible introduction to this important part of the brain. The cerebellum plays an important role in many key functions, from movement and balance to cognition and social skills. For more information, see: [http://www.wiley.com/WileyCDA/WileyTitle/productCd-1118125630.subjectCd-L\\_SA6.html](http://www.wiley.com/WileyCDA/WileyTitle/productCd-1118125630.subjectCd-L_SA6.html)

## Welcome New CPIN Faculty Members

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**CPIN Welcomes New Faculty Members** Guy Faulkner (Graduate Department of Exercise Sciences), Ofer Levi (Institute of Biomaterials and Biomedical Engineering), Ranil Sonnadara (Department of Surgery), and Jose Zariffa (Institute of Biomaterials and Biomedical Engineering).



Dr. Ofer Levi is an Assistant Professor in the Institute of Biomaterials and Biomedical Engineering and in the Edward S. Rogers, Sr. Department of Electrical and Computer Engineering at the University of Toronto since 2007. He received his Ph.D. in Physics from the Hebrew University of Jerusalem, Israel in 2000, and worked 2000-2007 as a postdoctoral fellow and as a research associate at the Departments of Applied Physics and Electrical Engineering at Stanford. He is a member of OSA, IEEE-Photonics, and SPIE. His recent research includes biomedical imaging systems and optical bio-sensors based on semiconductor devices and nano-structures, and their application to bio-medical diagnostics, in vivo imaging, and the study of bio-molecular interactions. More details can be found at: <http://biophotonics.utoronto.ca>

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## Welcome New CPIN Faculty Members (continued)



Dr. José Zariffa received the Ph.D. degree in 2009 from the University of Toronto's Department of Electrical and Computer Engineering and the Institute of Biomaterials and Biomedical Engineering. From 2009 to 2011 he was a post-doctoral fellow at the International Collaboration On Repair Discoveries (ICORD) and the University of British Columbia's Department of Computer Science in Vancouver, Canada. From 2011 to 2013, he was a post-doctoral fellow at the Toronto Rehabilitation Institute, where he was supported by Spinal Cord Injury Ontario. Currently, Dr. Zariffa is a Scientist at the Toronto Rehabilitation Institute and an Assistant Professor at the Institute of Biomaterials and Biomedical Engineering at the University of Toronto.

His research interests are in neural prostheses, interfaces with the peripheral nervous system, and technology for upper limb rehabilitation after spinal cord injury.

## Congratulations CPIN Graduates

Last Name	First Name	Department	Program	Supervisor
Acton	Brooke	CSB	PhD	Melanie Woodin
Ballios	Brian	IMS	PhD	Derek van der Kooy
Chau	Sarah	PCL	MSc	Krista Lanctot
Elahi	Behzad	IMS	PhD	Robert Chen
Elahipanah	Ava	IMS	PhD	Bruce Christensen
Howell	Nicholas	IMS	MSc	William Hutchison
Jasinska	Kaja	PSY	PhD	Laura-Ann Petitto
Khairullah	Ammar	IMS	MSc	Tomas Paus
Law	Nicole	PSY	PhD	David Mabbot
Mazereeuw	Graham	PCL	MSc	Krista Lanctot
Needham	Allison	IMS	MSc	Paul Sandor
Steadman	Patrick	MCP	MSc	Jason Lerch
Wang	Gang	IMS	MSc	Karen Davis
Xuan	Ingrid	PHM	MSc	David R. Hampson
Yoo	Patrick	IMS	MSc	Karen Gordon

## Welcome New CPIN Students

Last Name	First Name	Department	Program	Supervisor
Breton	Vanessa	PSL	MSc	Peter Carlen
Browne	Caleb	PSY	PhD	Paul J. Fletcher
Chen	David Qixiang	IMS	PhD	Mojgan Hodaie
Dey	Ayan	IMS	PhD	Brian Levine
Haffey	Sean	PSL	MSc	Beverley Orser
Hilderley	Alicia	REHSC	PhD	Darcy Fehlings
Jiang	David	PCL	MSc	David R. Hampson
Jones	Cheryl	MUS	PhD	Lee Bartel
Lam	Susy	IMS	MSc	Robert Chen
Lam	Vincent	PCL	PhD	Ali Salahpour
Morrissey	Mark	PSY	PhD	Kaori Takehara-Nishiuchi
Ou	Wei-Lin	BCM	PhD	Oliver Ernst
Paniccia	Melissa	REHSC	PhD	Michelle Keightley
Poon	Alan	IMS	MSc	Carol Westall
Rastogi	Anuj	IMS	MSc	Robert Chen
Ta	Eva	IMS	MSc	Anne-Marie Guerguerian

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## CPIN Board of Directors and Committees (2013 – 2014)

The **CPIN Board of Directors** reviews and signs the Memorandum of Agreement (MoA) and oversees the general direction of the program. The Board of Directors is composed of:

- Lee Bartel (Music)
- Katherine Berg (Rehabilitation Science)
- Heather Boon (Pharmaceutical Sciences)
- Peter Burns (Medical Biophysics)
- John Coleman (Interim, Cell and Systems Biology)
- Sven Dickinson (Computer Science)
- Harry Elsholtz (Laboratory Medicine and Pathobiology)
- Zhong-Ping Feng (Chair, CPIN Director; Physiology)
- Avrum Gotlieb (Lead Faculty: Faculty of Medicine)
- David R. Hampson (Honorary Director, Past CPIN Director)
- Allan Kaplan (Institute of Medical Science)
- Ernest Lam (Dentistry)
- Stephen Matthews (Physiology)
- Morris Moscovitch (Psychology)
- Justin Nodwell (Biochemistry)
- Ruth Ross (Pharmacology)
- Lana Stermac (Applied Psychology and Human Development)
- Christopher Yip (Institute of Biomaterials and Biomedical Engineering)  
(<http://neuroscience.utoronto.ca/aboutus/BoardDirectors-2013.htm>)

The **CPIN Academic Committee** reviews admission and program requirements, program curriculum and completion, and program activities as per the MoA. The Academic Committee is composed of:

- Julie Audet (Institute of Biomaterials and Biomedical Engineering)
- Lee Bartel (Music)
- Robert Chen (Institute of Medical Science)
- Jonathan Dostrovsky (Honorary Member: Physiology)
- Zhong-Ping Feng (Chair)
- David R. Hampson (Honorary Member: Pharmaceutical Sciences)
- Jeffrey Henderson (Pharmaceutical Sciences)
- Kang Lee (Applied Psychology and Human Development)
- Peter McPherson (Pharmacology)
- Angus McQuibban (Biochemistry)
- John Peever (Cell and Systems Biology)
- Janice Robertson (Laboratory Medicine and Pathobiology)
- Barry J. Sessle (Dentistry)
- Bojana Stefanovic (Medical Biophysics)
- Martin Wojtowicz (Physiology)
- John S. Yeomans (Psychology)
- Karl Zabjek (Rehabilitation Science)
- Richard Zemel (Computer Science)
- CPIN Graduate Executives representative  
(<http://neuroscience.utoronto.ca/aboutus/academic.htm>)

The **CPIN Executive Committee** reviews and leads the program activities as per the MoA, including distinguished lecture selection, Research Day, high school outreach program, sponsorships and faculty-student interactive events. The Executive Committee is composed of:

- Lee Bartel (Music)
- Oliver Ernst (Biochemistry)
- Zhong-Ping Feng (Chair)
- David R. Hampson (Honorary Member: Pharmaceutical Sciences)
- Lili-Naz Hazrati (Laboratory Medicine and Pathobiology)
- Jeffrey Henderson (Pharmaceutical Sciences)
- Kang Lee (Human Development and Applied Psychology)
- Ofer Levi (Institute of Biomaterials and Biomedical Engineering)
- John Peever (Cell and Systems Biology)
- Ruth Ross (Pharmacology & Toxicology)
- Barry J. Sessle (Dentistry)
- Bojana Stefanovic (Medical Biophysics)
- Lu-Yang Wang (Physiology)
- Albert Wong (Institute of Medical Science)
- John S. Yeomans (Psychology)
- Karl Zabjek (Rehabilitation Science)
- Richard Zemel (Computer Science)
- CPIN Graduate Executives representative  
(<http://neuroscience.utoronto.ca/aboutus/executive.htm>)