

Collaborative Program in Neuroscience (CPIN)

University of Toronto

Newsletter – Vol. 33, No. 10 – June 2017

Featured In This Issue

Congratulations CPIN Graduating Students Please see page 3 for details.

News - 2017 Toronto Brain Bee winner is the National champ! The Toronto Brain Bee Committee is proud to announce that our 2017 first place winner **Prerana Keerthi** (The Woodlands Secondary School) has won the 10th Annual CIHR Canadian National Brain Bee competition at McMaster University in Hamilton. Please see page 2 for details.

News – CPIN Faculty Members We would like to welcome **Dr. Kristin Musselman** (Assistant Professor, Rehabilitation Sciences Institute & Physical Therapy) as a new faculty member to the CPIN community. Congratulations also to **Dr. Beverley Orser** (Professor, Physiology & Anesthesia) on her new appointment as Chair of the Department of Anesthesia. Please see pages 2-3 for details.

CPIN Emerging Leaders in Neurosci. Lectures

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

Speaker | **Dr. Soheila Karimi**, Associate Professor, Dept. of Physiology & Pathophysiology; Senior Scientist, Regenerative Medicine Program; Principal Investigator, Spinal Cord Research Center; Scientist, Children's Hospital Research Institute of Manitoba, College of Medicine, Faculty of Health Sciences, University of Manitoba

Title | *Modulation of Endogenous Repair Mechanisms in Spinal Cord Injury: Challenges and Prospects*

Date | **Tuesday, June 6, 2017**

Time | 1:00 pm

Location | Main Auditorium, West Wing, 2nd floor, Rm 401, Toronto Western Hospital

Hosts | 1) Dr. Michael Fehlings, Head, Spinal Program, UHN & Vice Chair Research, Department of Surgery, U of T; 2) Dr. Cindi Morshead, Professor and Chair, Division of Anatomy, Department of Surgery

Co-sponsor | Krembil Research Institute



Speaker | **Dr. Matthew Budde**, Associate Professor, Department of Neurosurgery, Medical College of Wisconsin, Milwaukee, WI

Title | *Rethinking Diffusion MRI of the Injured Spinal Cord: Rodent Models and Translational Prospects*

Date | **Monday, June 19, 2017**

Time | 4:30 pm

Location | Rm. 3154, Medical Sciences Building, 1 King's College Circle, U of T

Host | Dr. Michael Fehlings, Head, Spinal Program, UHN & Vice Chair Research, Department of Surgery, U of T

Co-sponsors | 1) UT Spine Program ; 2) Krembil Research Institute



Speaker | **Dr. Steve Ramirez**, PhD Junior Fellow at Harvard University and Assistant Professor at Boston University

Title | *Manipulating positive and negative memories to lastingly prevent the return of fear*

Date | **Friday, June 30, 2017**

Time | 3:00 pm

Location | Robert B. Salter Auditorium, Peter Gilgan Centre for Research and Learning, SickKids, 686 Bay Street

Hosts | 1) Dr. Paul Frankland, Senior Scientist, Neuroscience & Mental Health, SickKids; 2) Dr. Sheena Josselyn, Senior Scientist, Neuroscience & Mental Health, SickKids

Co-sponsors | 1) Neuroscience & Mental Health, SickKids; 2) Department of Physiology Neuroscience Platform, U of T



CPIN Newsletter

Zhong-Ping Feng
Director
CPIN
Graduate Studies

Suhail Asrar
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

Collaborative Program in Neuroscience (CPIN) University of Toronto

Newsletter – Vol. 33, No. 10 – June 2017

News - 2017 Toronto Brain Bee winner is the National champ!

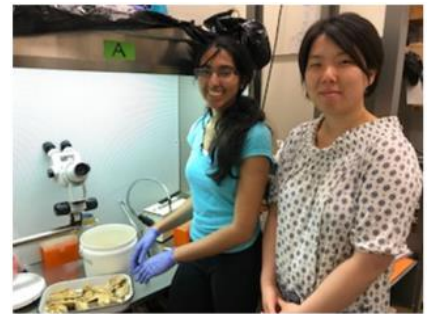
<http://www.neuroscience.utoronto.ca/events/brainbee.htm>



The Toronto Brain Bee Committee is proud to announce that our 2017 first place winner **Prerana Keerthi** (The Woodlands Secondary School) has won the 10th Annual CIHR Canadian National Brain Bee competition which took place at McMaster University in Hamilton on Saturday, May 27th 2017. Prerana will represent Canada at the 2017 World Brain Bee Championship at Washington DC between August 3-6. Congratulations Prerana!

The annual Toronto Brain Bee was held at the UofT Medical Sciences Building on March 31, 2017 where 109 high school students from 34 high schools participated in this knowledge-based competition. 33 UofT student volunteers and 8 faculty members contributed to the preparation and organization of this successful event. Special thanks go to Nancy Dong (CPIN Graduate Exec; PhD student, Physiology) for leading the UofT student volunteers, as well as for helping Prerana in her preparations for the National Brain Bee competition.

The 2017 Toronto Brain Bee was sponsored by CPIN, the Department of Physiology, the Firefly Foundation and the Ontario Ministry of Research and Innovation via Early Researcher Award (ERA) outreach funds through Professors Morgan Barese (Psychology), Azadeh Farzan (Computer Science) & Patricia Ganea (Applied Psychology & Human Development).



L-R: Prerana Keerthi and Nancy Dong

2017 Toronto Brain Bee Organizing Committee: Morgan Barese (Psychology), Jonathan Dostrovsky (Professor Emeritus Physiology), Azadeh Farzan (Computer Science), William Ju (Human Biology), Amy Ramsey (Pharmacology/Physiology), Ali Salahpour (Pharmacology), Hong-Shuo Sun (IMS/Physiology/Pharmacology/Surgery-Anatomy), Nancy Dong (PhD student, Physiology), Suhail Asrar (CPIN Office) and Zhong-Ping Feng (CPIN Director; Toronto Brain Bee Coordinator & Committee Chair; Physiology).

News - CPIN Faculty Members

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



We would like to welcome **Dr. Kristin Musselman** (Assistant Professor, Rehabilitation Sciences Institute and Physical Therapy) as a new faculty member to the CPIN community.

Dr. Kristin Musselman is a physical therapist and Scientist with the Neural Engineering and Therapeutics Team and the Mobility Team at the Toronto Rehabilitation Institute – Lyndhurst Centre. She completed a BSc (Life Sciences) and BScPT at Queen's University, followed by an MSc (Neurosciences) and PhD (Rehabilitation Science) at the University of Alberta. Dr. Musselman was a CIHR Post-doctoral Fellow at the Johns Hopkins School of Medicine and Kennedy Krieger Institute from 2010-2013. She is active in the Canadian Physiotherapy Association, serving on the Executive of the Neurosciences Division. She is also co-lead of the Walking Measures Group for the Rick Hansen Spinal Cord Injury Registry.

Dr. Musselman's research aims to optimize the rehabilitation and measurement of walking and upper limb movements following damage to the nervous system in children and adults. She and her colleagues have developed novel assessment and training tools for individuals with spinal cord injury and pediatric populations. Her current research is funded by the Canadian Institutes of Health Research, Heart and Stroke Foundation of Canada, Ontario Neurotrauma Foundation, Rick Hansen Institute, the Craig H. Neilsen Foundation, and the Canada Foundation for Innovation.

Collaborative Program in Neuroscience (CPIN) University of Toronto

Newsletter – Vol. 33, No. 10 – June 2017

News - CPIN Faculty Members (contd.)

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



Congratulations to **Dr. Beverley Orser** (Professor, Physiology and Anesthesia) on being recently appointed as Chair of the Department of Anesthesia beginning July 1, 2017.

Dr. Orser will continue her preclinical neuroscience research program in the Department of Physiology and the development of the Perioperative Brain Health Centre at Sunnybrook Health Science Centre.

Official Announcement by Dean L. Trevor Young (Faculty of Medicine)

I am delighted to announce that the Agenda Committee of the Academic Board has approved the appointment of Professor Beverley Orser as Chair of the Department of Anesthesia for a 5-year term beginning July 1, 2017.

Dr. Beverley Orser is a Professor in the Department of Anesthesia at the University of Toronto, and the Director of Research in the Department of Anesthesia and a practising anesthesiologist at Sunnybrook Health Sciences Centre. She received her medical doctorate from Queen's University, followed by a fellowship from the Royal College of Physicians and Surgeons of Canada, and a PhD from the University of Toronto. She completed her postgraduate clinical training programs at McMaster University, Oxford University, and the University of Toronto. A leader in academic anesthesia, Professor Orser has produced 191 peer-reviewed publications in some of the top scientific journals and is the recipient of \$13.7M in research funding. Her preclinical research focuses on the molecular mechanisms of anesthetics and analgesics, and links to her clinical studies, which focus on ways to improve patient safety in the operating room. Professor Orser has trained a cadre of exceptional graduate students, postdoctoral fellows, clinician-scientists, and undergraduate students, many of whom have been the recipients of numerous academic prizes, scholarships and prestigious awards.

Dr. Orser's own work has been recognized through numerous awards, including the 2017 Gold Medal from the Canadian Anesthesiologists' Society, the 2017 Peter Dresel Award from Dalhousie University, the first Frontiers Award from the International Anesthesia Research Society, and a Recognition Award from the Institute for Safe Medication Practices (United States). She is a Fellow of the Canadian Academy of Health Sciences.

Please join me in congratulating Professor Orser on her appointment. I would also like to extend my sincere thanks to Professor Brian Kavanagh for his excellent leadership as Chair of the Department since 2006.

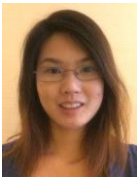
Sincerely,

L. Trevor Young MD, PhD, FRCPC

Dean, Faculty of Medicine

Vice-Provost, Relations with Health Care Institutions

Congratulations CPIN Graduating Students



Student Name: Doris Lam

Program: PhD

Department: Physiology

Supervisor: Dr. Lyanne Schlichter

Thesis Title: *Expression and Function of Kir2.1 and Kv1.3 Channels in Cytokine-induced Activation of Rat and Mouse Microglia: A Tale of Two Rodents*



Student Name: Alana Tibbles

Program: MSc

Department: Rehabilitation Sciences Institute

Supervisor: Dr. Robin Green

Thesis Title: *Past history of substance misuse impedes attentional recovery after moderate to severe traumatic brain injury*

Collaborative Program in Neuroscience (CPIN) University of Toronto

Newsletter – Vol. 33, No. 10 – June 2017

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

China-Canada-USA Pharmacology/Physiology Conference

Event Dates: June 26-30, 2017

Leslie L. Dan Pharmacy Building, University of Toronto, 144 College St., Toronto, Canada, M5S 3M2

We would like to bring your attention to the China-Canada-USA Pharmacology/Physiology Conference (CCUPPC), which is taking place at the University of Toronto's Faculty of Pharmacy from June 26th to 30th, 2017.

The conference was initiated to provide a platform for top Chinese, Canadian and other international scientists to present and discuss their work with one another in the fields of pharmacology and physiology. The aim is to facilitate education and cutting edge research through the sharing of ideas and the initiation of new research collaborations. The conference is sponsored by the University of Toronto, and is co-organized with the Canadian Physiological Society, the Chinese Pharmacological Society, and others. For more information, including the scientific program, please see the attached flyer or visit www.ccuppc.org.

For trainees, the conference will provide an excellent opportunity to showcase their latest work in the fields of pharmacology and physiology during one of three lunch-time poster sessions. Top posters will be recognized with poster awards.

Registration for this international-level conference is subsidized for all University of Toronto faculty and trainees. To take advantage of this special rate, please visit: www.ccuppc.org/utreg.

We look forward to seeing you at the conference!

CCUPPC Organizing Committee

FOR MORE INFORMATION:

Email: ccuppcorg@gmail.com

Website: <https://www.ccuppc.org/>

Concussion In Women and Girls

Event Date: September 23, 2017

BMO Education & Conference Centre, Toronto, ON

FOR MORE INFORMATION:

Phone: 416-597-3422 ext. 3448

Email: conferences@uhn.ca

Website: <https://ers.snapuptickets.com/ers/online-registration-conference.cfm?y=ZWkPTIyNjcmGFuPWVuZW==>

9th Canadian Conference on Dementia

Event Dates: November 2-4, 2017

Sheraton Centre Toronto Hotel

FOR MORE INFORMATION:

Phone: 416-597-3422 ext. 3448

Email: conferences@uhn.ca

Website: www.canadianconferenceondementia.com

Reminders

Call for CPIN 2017-2018 Distinguished Lecturer Nominations CPIN trainee & faculty members are welcome to nominate potential speakers for the 2017-2018 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.

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

The CPIN Newsletter will resume in September 2017. We wish everyone a happy summer!