

2022 Joint Neuroscience Conference

[The Southern Ontario Neuroscience Association \(SONA\)](#), [The Max Planck-University of Toronto Centre for Neural Science and Technology \(MPUTC\)](#), and the [Collaborative Program In Neuroscience \(CPIN\)](#)

Friday, May 27, 2022

Program Schedule

Section I. Welcome & Opening Remarks & Lectures

(Main Conference Room: <https://utoronto.zoom.us/j/88268870945> Passcode: 254486)

9:30 a.m. – 10:00 a.m. **Welcome and opening remarks**

Dr. Zhong-Ping Feng, Director, Collaborative Program In Neuroscience (CPIN); Professor, Department of Physiology & IMS, University of Toronto

Dr. Iva Zovkic, President, Southern Ontario Neuroscience Association (SONA), Canada; Associate Professor, University of Toronto Mississauga

Dr. Joyce Poon, Co-Director, Max Planck-University of Toronto Centre for Neural Science and Technology (MPUTC); Director, Max Planck Institute of Microstructure Physics; Professor, Department of Electrical & Computer Engineering, University of Toronto

Dr. Taufik Valiante, Co-Director, MPUTC; Senior Scientist, Krembil Research Institute (Krembil); Associate Professor, Departments of Surgery, Institute of Medical Science, The Institute of Biomedical Engineering, Electrical & Computer Engineering, University of Toronto

10:00 a.m. – 11:00 a.m. **Conference Keynote Lecture (Julius Axelrod Distinguished Visiting Neuroscientist Lecture)**

Co-Chairs: Dr. Zhong-Ping Feng, Dr. Joyce Poon and Dr. Iva Zovkic

Professor May-Britt Moser, Kavli Institute for Systems Neuroscience, Norwegian University of Science and Technology, Norway, and Nobel Laureate

“Space and memory in the brain”

Section II. Trainee Presentations (Presentation Rooms)

11:00 a.m. – 1:40 p.m. **CPIN/SONA/MPUTC Trainee Presentations**

[Presentation Rooms](#) | [Theme of the Presentations](#) & Links

(Session A 11am-12:20pm | Session B 12:30 – 1:40pm)

Room 1: Neurophysiology (A) | Neurophysiology (B) <https://utoronto.zoom.us/j/86482664599>

Room 2: Behavioral Neuroscience (A) | Behavioral Neuroscience (B) <https://utoronto.zoom.us/j/81079966083>

Room 3: Cognitive Neuroscience | Synaptic Plasticity <https://utoronto.zoom.us/j/82997414767>

Room 4: Cellular & Molecular Neuroscience (A) | Cellular & Molecular Neuroscience (B) <https://utoronto.zoom.us/j/84692386363>

Room 5: Stress & Anxiety | Depression and Mental Health <https://utoronto.zoom.us/j/88551655893>

Room 6: Neuroendocrinology (A) | Neuroendocrinology (B) <https://utoronto.zoom.us/j/84308442925>

Room 7: Learning & Memory (A) | Learning & Memory (B) <https://utoronto.zoom.us/j/84185445172>

Room 8: Pain and Nociception | Translational Research <https://utoronto.zoom.us/j/85183064607>

Room 9: Neurodegenerative Diseases | Concussion and Brain Injuries <https://utoronto.zoom.us/j/83797476355>

Room 10: Neurodevelopment (A) | Neurodevelopment (B) <https://utoronto.zoom.us/j/82176946015>

Room 11: Computational Neuroscience | Neurotechnology <https://utoronto.zoom.us/j/85092601325>

Room 12: Neuropharmacology | Neurological Disorders <https://utoronto.zoom.us/j/88437016442>

Section III. Conference Lecture (Main Conference Room: <https://utoronto.zoom.us/j/88268870945> Passcode: 254486)

Co-Chairs: Dr. Taufik Valiante and Dr. Iva Zovkic

1:40 p.m. – 2:40 p.m. **Professor David Poeppel**, Departments of Psychology & Neuroscience, New York University, USA; CEO, Ernst Strungmann Institute for Neuroscience in Cooperation with Max Planck Society in Frankfurt, Germany

“Rhythms in Sounds and Brains”

Section IV. Workshops (Main Conference Room: <https://utoronto.zoom.us/j/88268870945> Passcode: 254486)

Co-Chairs: Julia Bandura (PhD Candidate, Department of Physiology) and **Dr. Luka Milosevic** (Scientific Coordinator, MPUTC; Scientist, Krembil Brain Institute; Assistant Professor, Institute of Biomedical Engineering, U of T)

2:40 p.m. – 3:05 p.m. **Cognitive Network Modeling for Psychiatry**
Dr. Andreea Diaconescu, Assistant Professor, Department of Psychiatry, Independent Scientist, Krembil Centre for Neuroinformatics, Centre for Addiction and Mental Health (CAMH)

3:05 p.m. – 3:30 p.m. **Introduction to Machine Learning**
Dr. Maximilian Scherer, Postdoctoral Fellow, Krembil Brain Institute, University Health Network

3:30 p.m. – 3:55 p.m. **Advancing neuroscience with untargeted mass spectrometry-based proteomics**
Calvin Chan, PhD Candidate, Department of Chemistry, University of Toronto

Section V. Awards Ceremony, Closing Remarks

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Co-Chair: Dr. Zhong-Ping Feng and Dr. Iva Zovkic

3:55 p.m. – 4:15 p.m. **Awards Ceremony**
Trainee Presentation awards

Closing