

DATE	SPEAKER	TOPIC
2021		
Sept. 17	Prof. Robert Insall, Mathematical and Computational Cell Biology, Institute of Cancer Sciences, University of Glasgow Online seminar	"Making your way - how cells steer themselves to solve mazes or spread cancer"
Sept. 24	Dr. Xiaohong Xu, Center for Excellence in Brain Science and Intelligence Technology, Institute of Neuroscience, Shanghai, China Online seminar	"Cortical control of innate behaviors"
Oct. 1	Dr. Marion Pepper, Department of Immunology, University of Washington Online seminar	"Functional Immune memory to SARS-CoV2"
Oct. 8	Dr. Amaury Francois, Institute of Functional Genomic (IGF), CNRS, Montpellier France Online seminar	"In search of the neuronal basis of social and affective touch"
Oct. 15	Dr. Inna Slutsky, Department of Physiology and Pharmacology, Sackler School of Medicine, Tel Aviv University Online seminar	"Regulation and dysregulation of activity set-point in hippocampal circuits"
Oct. 22	Dr. Vishva Dixit, Physiological Chemistry, Genentech Inc. Online seminar	"The non-canonical Inflammasome Pathway"
Oct. 29	Dr. Krista Heinonen, Armand-Frappier Santé Biotechnologie Research Centre In-person seminar	"Bone marrow emergency response to infections: Good or bad but most often ugly"
Nov. 5	Dr. Kodi Ravichandran, Microbiology, Immunology and Cancer Biology, University of Virginia Online seminar	"Eating a good apoptotic meal: Lessons from phagocytes"
Nov. 12	Dr. Spencer Freeman, Cell Biology, Medicine, The Hospital for Sick Children and Department of Biochemistry, University of Toronto In-person seminar	"Fluid endocytosis and traffic in cells and its role in immune surveillance"
Nov. 19	Dr. Yalda Mohsenzadeh, The Brain and Mind Institute, Western University Online seminar	"The role of brain recurrent processes in visual recognition"
Nov. 26	Dr. Kerry Walker, Department of Physiology, Anatomy and Genetics, Oxford University Online seminar	"Representations of complex sound features in auditory cortex"
Dec. 3	Dr. Leigh Anne Swayne, Division of Medical Sciences, University of Victoria In-person seminar	"Dynamic neuronal connections in health and disease: dual role for pannexin 1"
Dec. 10	Dr. Mihaela Iordanova, Department of Psychology, Concordia University In-person seminar	"Neurobiology of secondary fear triggers"
Dec. 17	Dr. Paul Francois, Department of Physics, McGill University Online seminar	"Determining the geometry of biological dynamics from the data"

2022		
Jan. 7	Dr. Vijay G. Sankaran, Harvard Stem Cell Institute Online seminar	"Genetic Studies of Human Hematopoiesis"
Jan. 14	Dr. Eric Morrow, Department of Molecular Biology, Cell Biology and Biochemistry, Brown University Online seminar	"Disease Mechanisms in Christianson Syndrome and Related Endo-lysosomal Disorders"
Jan. 21	Dr. Sarah Teichmann, Wellcome Sanger Institute, UK Online seminar	"Deciphering Human Development and Disease One Cell At a Time"
Jan. 28	Dr. Aviad Hai, Biomedical Engineering, University of Wisconsin-Madison Online seminar	"Towards Whole-Brain Readouts of the Mammalian Nervous System with minimal invasiveness"
Feb. 4	Dr. Xavier Trepas, Institute for Bioengineering of Catalonia, Barcelona, Spain Online seminar	"Mechanobiology of intestinal organoids"
Feb. 11	Dr. Maria Vera Ugalde, Department of Biochemistry, McGill University Online seminar	"Imaging single mRNA molecules to investigate neuronal protein homeostasis"
Feb. 18	Dr. Stefan Feske, Department of Pathology, New York University Grossman School of Medicine Online seminar	"Electric stories: Of Ion Channels and Transporters in Immunity"
Feb. 25	Dr. Fanny Langlet, Department of Biomedical Sciences, Université de Lausanne Online seminar	"Tanycytes as a central node in hypothalamic networks regulating energy balance"
Mar. 4	NO SEMINAR (March break)	
Mar. 11	Dr. Verena Ruprecht, Cell and Developmental Biology, Centre for Genomic Regulation, Spain Online seminar	"Mechanical forces as regulators of single cell dynamics and tissue function during early development"
Mar. 18	Dr. Timothy J. Buschman, Psychology and Neuroscience, Princeton Neuroscience Institute In-person seminar	"Neural Dynamics of Working Memory"
Mar. 25	16th Annual Undergraduate Research Day Keynote speaker: Dr. Paul Albert, Neuroscience Program, Ottawa Hospital Research Institute Online event	"Reconnecting brain serotonin networks for recovery from anxiety and depression"
Apr. 1	Hala Harony-Nicolas, Departments of Psychiatry and Neuroscience, Icahn School of Medicine at Mount Sinai In-person seminar	"The impact of an autism-associated mutation on brain circuits of social behavior"
Apr. 8	Dr. Alex Quinn, Department of Physiology and Biophysics, School of Biomedical Engineering, Dalhousie University In-person seminar	"Tugging at the heart strings: mechanisms of cardiac mechano-arrhythmogenesis"
Apr. 15	NO SEMINAR (Good Friday)	
Apr. 22	Dr. Jill Stobart, College of Pharmacy, University of Manitoba Online seminar	"Calcium ion channels in brain pericyte signaling and blood flow control"
Apr. 29	Caitlin Schneider, Department of Microbiology and Immunology, McGill University In-person seminar	"From beyond the grave: cell death and type-2 helper T cell differentiation"
May 6	Dr. Medha Pathak, Department of Physiology and Biophysics, University of California, Irvine In-person seminar	"Watching Cellular Mechanotransduction: Piezo1 Activation by Cellular Traction Forces"
May 13	27th Annual Graduate Research Day Keynote speaker: Dr. Maiken Nedergaard, University of Rochester Medical Center Online event: 3:30pm	"The Glymphatic System"
May 20	Dr. John White, Department of Physiology, McGill University In-person seminar	"Vitamin D signaling controls thymic development and Aire-dependent transcriptional regulation"
May 27	Dr. Valeria Vasquez, Department of Physiology, University of Tennessee Health Science Center In-person seminar	"Dietary fatty acids fine-tune neuronal and non-neuronal cells mechanical response"