Date	Poster Number	Abstract Title	Abstract authors	Abstract author affiliations
Monday, May 30, 2016	1-A-1	Gene expression profiling in the prenatal brain of Cyclooxygenase-1 and -2 knockout mice - a model system for Autism Spectrum Disorders	Eizaaz Ahmad[1], Ravneet Bhogal[1], Hongyan Li[1], Dorota Crawford[1]	[1]York University
Monday, May 30, 2016	1-A-2	Rescue of neuroanatomical impairments following Mecp2 reactivation in adult mice	Rylan Allemang-Grand[1], Leigh Spencer-Noakes[2], Jacob Ellegood[2], Brian Nieman[2], Jason Lerch[2]	[1]University of Toronto, [2]Hospital for Sick Children
Monday, May 30, 2016	1-A-3	Examining the lineage potential of a novel population of OCT4 expressing primitive neural stem cells in the postnatal brain	Ashkan Azimi[1], Cindi Morshead[1]	[1]University of Toronto
Monday, May 30, 2016	1-A-4	A Neurodevelopmental and Behavioural Study of Mice Following In Utero and Early Postnatal Exposure to Imidacloprid, a Neonicotinoid Pesticide	Andrew Burke[1], David Hampson[1]	[1]University of Toronto
Monday, May 30, 2016	1-A-5	Embryonic Sim1 expression establishes a patterned V3 neurogenesis profile and subsequent functional separation of V3 subpopulations	Dylan Deska-Gauthier[1], Jeremy Chopek[1], Ying Zhang[1]	[1]Dalhousie University
Monday, May 30, 2016	1-A-6	Early Adolescent Adversity and its Long-Term Effects on Long Evans Rats Aggression-Related Behaviours and Serotonin Fibre Density	Prateek Dhamija[1], Cindy Tao[1], Linda Booij[2], Janet Menard[1]	[1]Queen's University, [2]Concordia
Monday, May 30, 2016	1-A-7	Reduced clustered protocadherin diversity alters retinal circuitry	Samantha Esteves[1], Julie Lefebvre[1]	[1]University of Toronto
Monday, May 30, 2016	1-A-8	Neural network disturbances in children treated for brain tumors	Samantha Gauvreau[1], Colleen Dockstader[1], Diana Harasym[2], Janine Piscione[3], Suzanne Laughlin[3], Brian Timmons[2], Ute Bartels[3], Jovanka Skocic[3], Cynthia de Medeiros[3], Katrin Scheinemann[2], Eric Bouffet[3], Sam Doesburg[4], Donald Mabbott[3]	[1]University of Toronto, [2]McMaster University, [3]The Hospital for Sick Children, [4]Simon Fraser University
Monday, May 30, 2016	1-A-9	The Effects of Gestational and Lactational Bisphenol A Exposure on Rat Pup Morphological Measurements and on Adrenal Gland Glucocorticoid Receptor Gene Expression	Julia Hajjar[1], Anne Konkle[1], Karen Phillips[1]	[1]University of Ottawa
Monday, May 30, 2016	1-A-10	Investigating the role of hnRNP-M in RNA localization during neurogenesis.	Dendra Hillier[1], Anastasia Smart[1], John Vessey[1]	[1]University of Guelph
Monday, May 30, 2016	1-A-11	Development of brain networks after neurodevelopmental insult: the impact of gestational exposure to methylazoxymethanol acetate (MAM)	Kally O'Reilly[1], Maria Perica[1], André Fenton[1]	[1]New York University
Monday, May 30, 2016	1-B-12	Using optogenetics to probe neuronal excitability in dissociated dorsal root ganglion neurons	Dhekra Al-Basha[1], Steve Prescott[2]	[1]The University of Toronto, [2]The Hospital for Sick Children
Monday, May 30, 2016	1-B-13	Detecting Gangliosides Expression Profile Changes in Microglial Activation	Mona Alshaikh[1], Gilles Lajoie[1], Shawn Whitehead[1]	[1]University of Western Ontario
Monday, May 30, 2016	1-B-14	Still unidentified: The channel driving spreading depolarization during ischemia	Peter Gagolewicz[1], Kaitlyn Tresidder[1], David Andrew[1]	[1]Queen`s University
Monday, May 30, 2016	1-B-15	Effects of Pannexin Knockout on Neocortical Neurons in Mice	Mark Aquilino[1], Lihua Wang[1], Berj Bardakjian[2], Peter Carlen[1]	[1]Toronto Western Hospital, [2]University of Toronto
Monday, May 30, 2016	1-B-16	Dynamic interaction between Cav3 channels and calmodulin triggers a second messenger cascade of CaMKII and CREB activation	Hadhimulya Asmara[1], Ileana Micu[1], Arsalan Rizwan[1], Giriraj Sahu[1], Brett Simms[1], Fang Zhang[1], Peter Stys[1], Gerald Zamponi[1], Ray Turner[1]	[1]University of Calgary
Monday, May 30, 2016	1-B-17	Histone acetylation by VPA is associated with melatonin receptor upregulation	Sarra Bahna[1], Lennard Niles[1]	[1]McMaster University

Monday, May 30, 2016	1-B-18	Molecular characterization and modulation of electrical synapses between neuroendocrine cells	Christopher Beekharry[1], Neil Magoski[1]	[1]Queen's University
Monday, May 30, 2016	1-B-19	The cellular and molecular mechanisms underlying the role of LIMK1 in synaptic plasticity	Youssif Ben Zablah[1], Zheng Ping Jia[1]	[1]Hospital for sick children
Monday, May 30, 2016	1-B-20	Identifying protein microdomains in complex three-dimensional astrocytes in situ	Kristin Milloy[1], Matt Joel[1], Neil Rasiah[2], Travis Moore[1], Adrienne Benediktsson[1]	[1]Mount Royal University, [2]University of Calgary
Monday, May 30, 2016	1-B-21	Panx1 modulates glutamatergic transmission by regulating the synaptic ananamide concentration	Jennifer Bialecki[1], Nicholas Weilinger[1], Matthew Hill[1], Roger Thompson[1]	[1]Hotchkiss Brain Institute
Monday, May 30, 2016	1-B-22	Rescuing NMDA receptor hypofunction in a mouse model of schizophrenia: Neurophysiological consequences in prefrontal cortex	Mary Binko[1], Catharine Mielnik[1], Amy Ramsey [1], Evelyn Lambe[1]	[1]University of Toronto
Monday, May 30, 2016	1-B-23	The role of cGMP in regulating postsynaptic structure underlying bidirectional plasticity	Jelena Borovac[1], Thomas T Luyben[1], Kenichi Okamoto[1]	[1]University of Toronto
Monday, May 30, 2016	1-B-24	Understanding the structural basis of NMDA receptor activation	Bryan Daniels[1], Maria Musgaard[2], Mark Aurousseau[1], Philip Biggin[2], Derek Bowie[1]	[1]McGill University, [2]Oxford University
Monday, May 30, 2016	1-B-25	AMPA and kainate receptor auxiliary proteins relieve polyamine block by enhancing polyamine permeation	Patricia Brown[1], Hugo McGuire[1], Derek Bowie[1]	[1]McGill University
Monday, May 30, 2016	1-B-26	The role of Neuroligin 2 and inhibitory transmission in the function of thalamic circuitry during epilepsy	Feng Cao[1], Jia Liu[1], Zhengping Jia[1]	[1]The Hospital for Sick Children
Monday, May 30, 2016	1-B-27	Ca2+-Dependent KCC2 Dephosphorylation as a Mechanism for Inhibitory STDP	Annik Carson[1], Vivek Mahadevan[1], Jessica Pressey[1], Joseph Raimondo[2], Melanie Woodin[1], Blake Richards[1]	[1]University of Toronto, [2]University of Cape Town
Monday, May 30, 2016	1-B-28	Synaptopodin in Necessary for Homeostatic Synaptic Scaling at CA3-CA1 Synapses	Melanie Chan[1], David Verbich[1], Philip K.Y. Chang[1], R. Anne McKinney[1]	[1]McGill University
Monday, May 30, 2016	1-B-29	Using Local Field Potential (LFP) modeling to understand inhibitory cellular contributions to network rhythms in hippocampus	Alexandra Chatzikalymniou[1], Katie Ferguson[2], Frances Skinner[3]	[1]Krembil Research Institute, University Health Network, Toronto, ON; Department of Physiology, Univer, [2]Department of Neuroscience, Yale School of Medicine, New Haven CT; Krembil Research Institute, Unive, [3]Krembil Research Institute, University Health Network, Toronto, ON; Department of Medicine (Neurolog
Monday, May 30, 2016	1-B-30	Cation channel regulation by reactive oxygen species in Aplysia neuroendocrine cells	Alamjeet Chauhan[1], Neil Magoski[1]	[1]Queen's University
Monday, May 30, 2016	1-B-31	Electron Microscopy Analysis of Synaptic Vesicle Tethering by Calcium Channels at Presynaptic Active Zones	Robert Chen[1], Arup Nath[1], Elise Stanley[1]	[1]Krembil Research Institute
Monday, May 30, 2016	1-B-32	Changes in cation-chloride cotransporter complexes with NMDA receptors following brain trauma	Jonah Chevrier[1], Vivek Mahadevan[2], Christophe Pellegrino[3], Melanie Woodin[1]	[1]University of Toronto, [2]National Institutes of Health, [3]Institut de Neurobiologie de la Méditerranée
Monday, May 30, 2016	1-B-33	Aberrant Chloride Homeostasis and Inhibitory Synaptic Transmission in Huntington's Disease	Zahra Dargaei[1], Melanie Woodin[1]	[1]University of Toronto
Monday, May 30, 2016	1-B-34	cGMP-dependent protein kinase regulates synaptic growth and function at the Drosophila larval neuromuscular junction	Jeffrey Dason[1], Aaron Allen[1], Marla Sokolowski[1]	[1]University of Toronto

Monday, May 30, 2016	1-B-35	Activation of AMPA receptor-auxiliary protein complexes is coordinated by distinct structural pathways	George Dawe[1], Maria Musgaard[2], Mark Aurousseau[1], Philip Biggin[2], Derek Bowie[1]	[1]McGill University, [2]University of Oxford
Monday, May 30, 2016	1-B-36	Organization of paranode axoglial domain requires the netrin-1 receptor UNC5B	Omar de Faria Jr.[1], Mihai Mocanu[1], Roland Pilgram[1], Jenea Bin[1], Diane Nakamura[1], Amir Shmuel[1], Abbas Sadikot[1], Timothy Kennedy[1]	[1]Montreal Neurological Institute/McGill University
Monday, May 30, 2016	1-B-37	The Effects of Retinoic Acid on Voltage-Gated Calcium Channels in CNS Neurons	Eric de Hoog[1], Mark Lukewich[1], Gaynor Spencer[1]	[1]Brock University
Monday, May 30, 2016	1-B-38	Circadian and homeostatic remodeling of excitatory synapses	Graham Diering[1], Raja Nirujogi[1], Richard Roth[1], Paul Worley[1], Akhilesh Pandey[1], Richard Huganir[1]	[1]Johns Hopkins University
Monday, May 30, 2016	1-B-39	Enhancement of neuronal excitability as a trigger for memory consolidation in the mollusc Lymnaea stagnalis.	Nancy Dong[1], Zhong-Ping Feng[1]	[1]University of Toronto
Monday, May 30, 2016	1-B-40	Finite element modelling of Calcium dynamics in dendritic spines	Nicolas Doyon[1], Frank Boahen[1]	[1]Laval University
Monday, May 30, 2016	1-B-41	Cloning of the chick CaV2.1 voltage gated calcium channel	Brittany Elliott[1], Qi Li[1], Elise Stanley[1]	[1]Krembil Research Institute
Monday, May 30, 2016	1-B-42	Cholinergic neurotransmission in the substantia nigra pars compacta modulates dopaminergic neuronal activity	Jasem Estakhr[1], Raad Nashmi[1]	[1]University of Victoria
Monday, May 30, 2016	1-B-43	Determinants of the heterogeneous synaptic function at the mature calyx of Held synapse	Adam Fekete[1], Lu-Yang Wang[1]	[1]The Hospital for Sick Children
Monday, May 30, 2016	1-B-44	The Involvement of Satellite Glial Cells in Different Models of Tooth Pulp Inflammatory Pain in Rats	Helena Filippini[1], Paulo Scalzilli[2], Kesiane Costa [3], Raquel Freitas [3], Graziella Molska[1], Limor Avivi-Arber[1], Barry Sessle[1], Maria Campos[3]	[1]University of Toronto, [2]Pontificia Universidade Catolica do Rio Grande do Sul - PUCRS, [3]Pontificia Universidade Catolica do Rio Grande do Sul - PUCRS
Monday, May 30, 2016	1-B-45	The Mistrafficking of Christianson Syndrome-Linked Mutation NHE6ΔES Impairs the Structure and Viability of Hippocampal Pyramidal Neurons	Andy Gao[1], Sara Kasem[1], Alina Ilie[1], John Orlowski[1], R. Anne McKinney[1]	[1]McGill University
Monday, May 30, 2016	1-B-46	Ionotropic and metabotropic kainate receptor signalling regulates KCC2 and synaptic inhibition	Danielle Garand[1], Melanie Woodin[2]	[1]University of Toronro, [2]University of Toronto
Monday, May 30, 2016	1-B-47	The Influence of Postsynaptic Structures on Missing Quanta at the Drosophilia Neuromuscular Junction	Christine Nguyen[1], Bryan Stewart[1]	[1]University of Toronto
Monday, May 30, 2016	1-B-48	The transcription of Neuroligin-1 is regulated by core clock transcription factors	Emma O'Callaghan[1], Erika Bélanger-Nelson [1], Nicolas Cermakian[2], Jean Martin Beaulieu[3], Valerie Mongrain[1]	[1]Centre d'Études Avancées en Médecine du Sommeil, Hôpital du Sacré-Coeur de Montréal, Université de M, [2]Douglas Mental Health University Institute, McGill University, Montreal, [3]Centre de Recherche de l'Institut Universitaire en Santé Mentale de Québec and Université Laval, Que
Monday, May 30, 2016	1-C-49	Insulin stimulates retinal ganglion cell dendrite regeneration through activation of the mammalian target of rapamycin complex 1 (mTORC1) and complex 2 (mTORC2).	Jessica Agostinone[1], Adriana Di Polo[1]	[1]University of Montreal Hospital Research Center
Monday, May 30, 2016	1-C-50	Neural synchronizations involved in emotion-detection in psychiatry: Exploration by depth electrodes in bipolar patients	Golnoush Alamian[1], Etienne Combrisson[2], Dmitrii Altukhov[3], Andres Lozano[4], Daniel Kaping[5], Nir Lipsman[4], Thilo Womelsdorf[5], Karim Jerbi[1]	[1]Université de Montréal, [2]Université Claude Bernard Lyon 1, [3]Moscow State Pedagogical University, [4]University of Toronto, [5]York University

Monday, May 30, 2016	1-C-51	Glutamatergic Receptors and Synaptic Plasticity in the Pathophysiology of Depression - A Rat Model	Lily Aleksandrova[1], Yu Tian Wang[1], Anthony Phillips[1]	[1]UBC
Monday, May 30, 2016	1-C-52	Title: The Effects of Childhood Maltreatment on Epigenetic Regulation of the Oxytocinergic System in Male Suicide Completers	Daniel Almeida[1], Laura Fiori[1], Naguib Mechawar[1], Gustavo Turecki[1]	[1]McGill
Monday, May 30, 2016	1-C-53	Cell swelling during simulated ischemia in neocortical brain slices	Hala El-Kerdawy[1], Jessica Carr[1], David Andrew[1]	[1]Queen`s University
Monday, May 30, 2016	1-C-54	Effects of metformin and enriched rehabilitation on recovery following neonatal hypoxia-ischemia	Sabina Antonescu[1], Jessica Livingston-Thomas[1], Matthew Jeffers[1], Cindi Morshead[2], Dale Corbett[1]	[1]University of Ottawa, [2]University of Toronto
Monday, May 30, 2016	1-C-55	Advances in Gene Therapy Strategies to Treat Fragile X Syndrome	Jason Arsenault[1], Yosuke Niibori[1], Shervin Gholizadeh[1], David Hampson[1]	[1]University of Toronto
Monday, May 30, 2016	1-C-56	Inhibition of alpha5GABA-A receptors improves post-traumatic memory deficits	Sinziana Avramescu[1], Heping Sheng[1], Dian-Shi Wang[1], Beverley Orser[1]	[1]University of Toronto
Monday, May 30, 2016	1-C-57	Sodium nitroprusside reduces psychotic-like behaviour in the ketamine animal model of schizophrenia	Priscila Balista [1], Ludmyla Kandratavicius [2], Jose Peixoto-Santos [2], Serdar Dursun [1], Glen Baker [1], Jaime Hallak [2]	[1]University of Alberta, [2]University of Sao Paulo
Monday, May 30, 2016	1-C-58	Theta burst stimulation of the substantia nigra pars reticulata in Parkinson's disease patients	Diellor Basha[1], Suneil Kalia[2], Mojgan Hodaie[2], Andres Lozano[2], William Hutchison[1]	[1]University of Toronto, [2]Toronto Western Hospital
Monday, May 30, 2016	1-C-59	Pharmacological Chaperones of the Dopamine Transporter Rescue Dopamine Transporter Deficiency Syndrome Mutations	Pieter Beerepoot[1], Vincent Lam[1], Ali Salahpour[1]	[1]University of Toronto
Monday, May 30, 2016	1-C-60	AMP-activated protein kinase, a conserved energy biosensor, signals early neuronal pathogenesis in glaucoma through inhibition of the mammalian target of rapamycin.	Nicolas Belforte[1], Jorge Cueva Vargas[1], Adriana Di Polo[1]	[1]University of Montreal Hospital Research Centre (CRCHUM)
Monday, May 30, 2016	1-C-61	Microglia are recruited at the interface of infiltrating leukocytes and the astroglial scar after spinal cord injury.	Victor Bellver[1], Martine Lessard[1], Nicolas Vallières[1], Alexandre Paré[1], Steve Lacroix[1]	[1]Centre de recherche du Centre hospitalier universitaire (CHU) de Québec - CHUL
Monday, May 30, 2016	1-C-62	Brain-derived progenitor cells - potential for therapeutic neurotrophic factor delivery	Simon Benoit[1], Matthew Hebb[1], Susanne Schmid[1], Hu Xu[1]	[1]University of Western Ontario
Monday, May 30, 2016	1-C-63	Modeling the cognitive impairments of schizophrenia: acute amphetamine and PCP are most suited for representing impulsivity, compulsivity, and avolition using 5-CSRTT	Jayant Bhandari[1], Ritesh Daya[1], Ashley Bernardo[1], Roohie Sharma[1], Sharnpreet Kooner[1], Aaron Edward[1], Rodney Johnson[1], Ram Mishra[1]	[1]McMaster University
Monday, May 30, 2016	1-C-64	Phase coherence of inhibition with seizure states in a rodent model of neocortical epilepsy	Vanessa Breton[1], Berj Bardakjian[2], Peter Carlen[1]	[1]Krembil Discovery Tower, Toronto Western Hospital, [2]University of Toronto
Monday, May 30, 2016	1-C-65	Quantitative EEG in the Evaluation of Patients with Post-Concussion Syndrome and Chronic Pain Following a Motor Vehicle Accident	Derrick Matthew Buchanan[1], Tomas Ros[2], Richard Nahas[1]	[1]The Seekers Centre, [2]University of Geneva
Monday, May 30, 2016	1-C-66	Blocking spinal P2X7Rs attenuates morphine withdrawal	Nicole Burma[1], Heather Leduc-Pessah[1], Zoe Cairncross[1], Tuan Trang[1]	[1]University of Calgary
Monday, May 30, 2016	1-C-67	Prenatal infection in early- to late-gestation and its effects on CCK-GABA cells	Janine Cajanding[1], Junchul Kim[1]	[1]University of Toronto
Monday, May 30, 2016	1-C-68	Age-dependent increase in membrane lipid deregulation observed in brain regions vulnerable to neurodegenerative diseases	Sarah Caughlin[1], David Cechetto[1], Shawn Whitehead[1]	[1]The University of Western Ontario

Monday, May 30, 2016	1-C-69	An optogenetic kindling model of neocortical epilepsy	Elvis Cela[1], Andrew Chung[2], Taiji Wang[3], Per Jesper Sjöström[3]	[1]Integrated Program in Neuroscience, McGill University, [2]McGill University, [3]The Research Institute of the McGill University Health Centre
Monday, May 30, 2016	1-C-70	The influence of beta-amyloid on intrinsic brain network adaptation in Parkinson?s disease	Leigh Christopher[1], Marion Criaud[1], Aaron Kucyi[2], Yuko Koshimori[1], Pablo Rusjan[1], Nancy Lobaugh[1], Anthony Lang[1], Sylvain Houle[1], Antonio Strafella[1]	[1]University of Toronto, [2]Harvard University
Monday, May 30, 2016	1-C-71	On the origins of autism: The Quantitative Threshold Exposure hypothesis	Sarah Crawford [1]	[1]Southern Connecticut State University
Monday, May 30, 2016	1-C-72	Heme oxygenase-1 modulates microRNA expression in cultured astroglia: Implications for chronic brain disorders	Marisa Cressatti[1], Wei Song[1], Shih-Hsiung Lin[1], Hillel Zukor[1], Eugenia Wang[2], Hyman Schipper[1]	[1]McGill University, [2]Advanced Genomic Technology
Monday, May 30, 2016	1-C-73	Innate deficits in dendritic outgrowth in Parkinson?s patient-derived neurons are rescued by NRF2-mediate activation of the anti-oxidant response	Chris Czaniecki[1], Arianne Cohen[1], Juliane Heide[1], Scott Ryan[1]	[1]University of Guelph
Monday, May 30, 2016	1-C-74	Intra-VTA leptin decreases the augmentation of heroin seeking induced by chronic food restriction.	Tracey D'Cunha[1], Melissa Russo[1], Soraya le Noble[1], Damaris Rizzo[1], Emilie Daoud[1], Uri Shalev[1]	[1]Concordia University
Monday, May 30, 2016	1-C-75	A new perspective for the treatment of schizophrenia: positive allostery of the dopamine D2 receptor	Ritesh Daya[1], Jayant Bhandari[1], Sharnpreet Kooner[1], Hetashree Joshi[1], Christopher Rowley[1], Nick Bock[1], Ram Mishra[1]	[1]McMaster University
Monday, May 30, 2016	1-C-76	Hippocampal subfield volume loss in children and adolescent survivors of pediatric brain tumors	Alexandra Decker[1], Kamila Szulc[2], Jovanka Skocic[2], Cynthia de Medeiros[2], Lily Riggs[2], Eric Bouffet[3], Colleen Dockstader[1], Suzanne Laughlin[2], Uri Tabori[2], Donald Mabbott[1]	[1]The Hospital for Sick Children and the University of Toronto, [2]The Hospital for Sick Children , [3]The Hospital for Sick Children
Monday, May 30, 2016	1-C-77	Eye movement deficits in a zebrafish model of Parkinson's disease	Adib Dehghany[1], Dylan Zamani[1], Rafael Godoy[1], Marc Ekker[1], Tuan Bui[1]	[1]University of Ottawa
Monday, May 30, 2016	1-C-78	Effects of an Acute Bout of Soccer Heading on Neurovascular Coupling	Jillian Dierijck[1], Jonathan Smirl[1], Alexander Wright[1], Colin Wallace[1], Kelsey Bryk[1], Mike KenneficK[1], Kevin Bouliane[1], Jonathan McNulty[1], Maggie McLeod[1], Jason Purpur[1], Paul van Donkelaar[1]	[1]University of British Columbia, Okanagan Campus
Monday, May 30, 2016	1-C-79	IVIg immunotherapy combined with MRI-guided focused ultrasound enhances neuronal plasticity in an amyloidosis mouse model	Sonam Dubey[1], Alison Burgess[1], JoAnne McLaurin[1], Donald Branch[2], Kullervo Hynynen[1], Isabelle Aubert[1]	[1]Sunnybrook Research Institute, [2]University of Toronto
Monday, May 30, 2016	1-C-80	The role of RGMa/Neogenin Signalling in Multiple Sclerosis	Ahmad Ellabban[1], Nardos Tassew[1], Philippe Monnier[1], Christopher Barden[2]	[1]University of Toronto / Toronto Western Hospital, [2]Toronto Western Hospital
Monday, May 30, 2016	1-C-81	Significantly increased total brain volume and other neuroanatomical differences in a mouse model of Nance Horan Syndrome (NHS).	Jacob Ellegood[1], Ryan Yuen[1], Amie Creighton[1], Leigh Spencer Noakes[1], Brian Nieman[1], Lauryl Nutter[1], Stephen Scherer[1], Jason Lerch[1]	[1]The Hospital for Sick Children

Monday, May 30, 2016	1-C-82	Hypoxia resulting from repeated seizures augments memory impairment and AD-like pathology in the 5XFAD mouse.	Jordan Farrell[1], Joseph Sparling[1], Kwaku Addo-Osafo[1], Peter Stys[1], G. Campbell Teskey[1]	[1]Hotchkiss Brain Institute
Monday, May 30, 2016	1-C-83	Muscarinic acetylcholine receptor type-1 antagonists modulate post-translational modifications of Ca2+/calmodulin-dependent protein kinase kinase beta in adult sensory neurons	Paul Fernyhough[1], Mohammad Sabbir[2]	[1]University of Manitoba, [2]St Boniface Hospital Research Centre
Monday, May 30, 2016	1-C-84	Age-Related Changes in Learning and Memory in the Hebb-Williams Maze in the 3xTG Mouse Model of Alzheimer's Disease	Emre Fertan[1], Nicole Woodland[1], Richard Brown[1]	[1]Dalhousie University
Monday, May 30, 2016	1-C-85	The effect of obesity on the vascular and glial response to endothelin-1 induced focal ischemic stroke.	Kathleen Fifield[1], Jacqueline Vanderluit[1]	[1]Memorial University of Newfoundland
Monday, May 30, 2016	1-C-86	Repeated Seizures Alter the Functional Integration of Adult-Born Neurons into Behavioral Circuits	Alena Kalinina[1], Joshua Carr[1], Holly Turner[1], Dana Kousmanidis[1], Hugo Lehmann[1], Neil Fournier[1]	[1]Trent University
Monday, May 30, 2016	1-C-87	Microelectrode Recordings of the Internal Segment of the Globus Pallidus in Cerebral Palsy	Majid Gasim[1], Luis Fernando Botero Posada[2], Adriana Lucia Lopez Rios[2], William Hutchison[1]	[1]University of Toronto, [2]Hospital Universitario San Vicente de Paul
Monday, May 30, 2016	1-C-88	Cadherins mediate cocaine-induced synaptic plasticity and behavioural conditioning	Andrea Globa[1], Fergil Mills[1], Shuai Liu[2], Catherine Cowan[1], Mahsan Mobasser[1], Anthony Phillips[1], Stephanie Borgland[2], Shernaz Bamji[1]	[1]University of British Columbia, [2]University of Calgary
Monday, May 30, 2016	1-C-89	Detecting covert levels of awareness using a hierarchy of cognitive and different neuroimaging modalities in patients with disorders of consciousness.	Laura Gonzalez-Lara[1], Raechelle Gibson[1], Steve Beukema[1], Lorina Naci[1], Davinia Fernández-Espejo[2], Damian Cruse[2], Adrian Owen[1]	[1]Western University, [2]University of Birmingham
Monday, May 30, 2016	1-C-90	Behavior as a signature of neuroimmunological interactions	Katya Gris[1], Jean-Philippe Coutu [2], Denis Gris[2]	[1]Bishops University, [2]University of Sherbrooke
Monday, May 30, 2016	1-C-91	Tardive dyskinesia induced by prolonged antipsychotic treatments in a non-human primate model is associated with Akt/GSK-3Beta kinase activities	Giovanni Hernandez[1], Souha Mahmoudi[1], Michel Cyr[2], Pierre Blanchet[1], Daniel Lévesque[1]	[1]Universite de Montreal, [2]Université du Québec à Trois-Rivières
Monday, May 30, 2016	1-C-92	The effect of Dopaminergic therapy on Stimulus-response learning and decision-making in Parkinson?s disease using 3T MRI	Nole Hiebert[1], Adrian Owen[1], Ken Seergobin[1], Penny MacDonald[1]	[1]University of Western Ontario
Monday, May 30, 2016	1-C-93	Prevalence of incidental findings in a multi-diagnosis psychosis, addiction and infection population in Vancouver's Downtown Eastside	Melissa Woodward[1], Alexandra Vertinsky[2], Manraj Heran[2], Jason Chew[2], Allen Thornton[3], Kristina Gicas[3], Heather Baitz[3], Chantelle Giesbrecht[3], Nena Wang[3], Tiffany O'Connor[3], Kristina Walclawik[3], Alexander Rauscher[1], G MacEwan[1], Fidel Vila-Rodgriguez[1], Olga Leonova[1], William Honer[1], Geoffrey Smith[1], Taylor Willi[1], Alasdair Barr[1], Ric Procyshyn[1], Donna Lang[1]	[1]University of British Columbia, [2]Vancouver General Hospital, [3]Simon Fraser University
Monday, May 30, 2016	1-C-94	ERP abnormality induced by cholinergic deficiency in rats: a potential biomarker for Alzheimer?s disease	Bardia Nouriziabari[1], Susmita Sarkar[1], Stephanie Tanninen[1], Kaori Takehara-Nishiuchi[1]	[1]University of Toronto
Monday, May 30, 2016	1-C-95	A three-dimensional map of hindlimb movements evoked by intraspinal microstimulation in the lumbar spinal cord in rats	Randolph Nudo[1], Jordan Borrell[2], Shawn Frost[1]	[1]University of Kansas Medical Center, [2]University of Kansas

Monday, May 30, 2016	1-D-96	Relative contributions of perception and prediction to hand localization in visuomotor adaptation	Bernard 't Hart[1], Denise Henriques[1]	[1]York University
Monday, May 30, 2016	1-D-97	Modulation of visual-proprioceptive integration weights during reach planning due to stochastic reference frame transformations	Parisa Abedi Khoozani[1], Gunnar Blohm[1]	[1]Queen's University
Monday, May 30, 2016	1-D-98	Role of muscle spindle feedback in the generation of the swing movement during walking in mice	William Mayer[1], Turgay Akay[1]	[1]Dalhousie University
Monday, May 30, 2016	1-D-99	Investigation of the Relationship between Chronic Stress, Hearing Sensitivity and Noise-Induced Hearing Loss using a Rat Model	Anna Tyker[1], Ashley Schormans[1], Julia Abitbol[1], Marei Typlt[1], Brian Allman[1]	[1]Western University
Monday, May 30, 2016	1-D-100	Cortical Control of Olfactory Information Processing: The Role of the Anterior Olfactory Nucleus and Ventral Hippocampus in Vivo	Afif Aqrabawi[1], Caleb Browne[1], Junchul Kim[1]	[1]University of Toronto
Monday, May 30, 2016	1-D-101	Concurrent reach and tracking adaptations of static and moving targets	Maria Ayala[1], Priyanka Sharma[1], Denise Henriques[1]	[1]York University
Monday, May 30, 2016	1-D-102	Characterisation of spinofugal nociceptive neurons via new genetic tools	Farin B. Bourojeni[1], Artur Kania[1]	[1]McGill University
Monday, May 30, 2016	1-D-103	Transsaccadic integration of spatial frequency information in an fMRIa paradigm	Bianca Baltaretu[1], Benjamin Dunkley[2], J. Douglas Crawford[1]	[1]York University, [2]The Hospital for Sick Children
Monday, May 30, 2016	1-D-104	Colour Modulates Inhibitory Control	Shawn Blizzard[1], Adriela Fierro Rojas[2], Mazyar Fallah[1]	[1]York University, [2]Benemérita Universidad Autónoma de Puebla
Monday, May 30, 2016	1-D-105	Assessing the Effects of Deafness on the Neuroanatomical Projections to the Second Auditory Cortex (A2) of the Cat	Blake Butler[1], Stephen Lomber[1]	[1]University of Western Ontario
Monday, May 30, 2016	1-D-106	Effector-specific cortical mechanisms for memory-guided reaches and saccades: progression from target memory through motor planning and execution	David Cappadocia[1], Simona Monaco[2], Ying Chen[3], J. Douglas Crawford[1]	[1]York University, [2]University of Trento, [3]Queen's University
Monday, May 30, 2016	1-D-107	Changing the form of feedback (error-based verse reinforcement-based) leads to dissociable motor adaptation.	Joshua Cashaback[1], Ayman Mohatarem[1], Heather McGregor[1], Paul Gribble[1]	[1]Western University
Monday, May 30, 2016	1-D-108	Wii Balance Board and Modified Balance Error Scoring System to assess changes in postural balance in young-adult male hockey athletes over athletic season	Hilary Cullen[1], Yao Sun[1], Brian Christie[1], E. Paul Zehr[1]	[1]University of Victoria
Monday, May 30, 2016	1-D-109	Brain Plasticity after Concussion in Young Rats: Brain Change without Behavioural Change	Allison Dyck[1], Tammy Ivanco[1]	[1]University of Manitoba
Monday, May 30, 2016	1-D-110	The role of conjugate eye movements to symmetric disparity stimuli	Ian Erkelens[1], William Bobier[1]	[1]University of Waterloo
Monday, May 30, 2016	1-D-111	Tonic Endocannabinoid Signaling Controls Excitatory Drive in the Superficial Lamina (I/II) of the Mouse Spinal Cord	Katherine Evely[1], Arin Bhattacharjee[1], Samir Haj-Dahmane[1]	[1]State University of New York at Buffalo
Monday, May 30, 2016	1-D-112	Connectivity of dI3 Interneurons during development of the mouse spinal cord	Carl Farah[1], Tuan Bui[1]	[1]University of Ottawa
Monday, May 30, 2016	1-D-113	Functional characteristics of putative premotor areas in the intact, awake cat	Nicolas Fortier Lebel[1], Nabiha Yahiaoui[1], Toshi Nakajima[1], Trevor Drew[1]	[1]Université de Montréal, GRSNC
Monday, May 30, 2016	1-D-114	: Slow and fast nerves regenerate into appropriate endoneurial tubes to reinnervate tibialis anterior (TA) muscles after common peroneal (CP) nerve cut and repair; size-dependent branching occurs more distally in intramuscular sheaths	Tessa Gordon[1], Joanne Totozy de Zepetnek[2]	[1]Hospital for Sick Children, [2]Global Regulatory Lead, Shire
Monday, May 30, 2016	1-D-115	Overexpression of the muscarinic receptors following visual training paired with cholinergic enhancement	Marianne Groleau[1], Mira Chamoun[1], Elvire Vaucher[1]	[1]Universite de Montreal
Monday, May 30, 2016	1-D-116	Biologically Realistic Deep Supervised Learning	Jordan Guerguiev[1], Timothy Lillicrap[2], Blake Richards[1]	[1]University of Toronto Scarborough, [2]Google DeepMind

Monday, May 30, 2016	1-D-117	Sensorimotor processing of ipsilateral and contralateral limbs in primary motor cortex	Ethan Heming[1], Stephen Scott[1]	[1]Queen's University
Monday, May 30, 2016	1-E-118	Corticosteroid Binding Globulin Programming by Prenatal Predator Odour Exposure in Mice	Sameera Abuaish[1], Benjamin Hing[1], Sophie St-Cyr[1], Rudy Boonstra[1], Patrick McGowan[1]	[1]University of Toronto
Monday, May 30, 2016	1-E-119	Glycemic condition influences subfornical organ neuron responsiveness to angiotensin	Nicole Cancelliere[1], Alastair Ferguson[1]	[1]Queen's University
Monday, May 30, 2016	1-E-120	MicroRNA involvement in estradiol-mediated synaptic plasticity	Carolyn Creighton[1], Jon LaMarre[1], Neil MacLusky[1]	[1]University of Guelph
Monday, May 30, 2016	1-E-121	Hypothalamic CRH neurons orchestrate stress induced behaviours	Tamás Füzesi[1], Nuria Daviu[1], Jaclyn Wamsteeker Cusulin[1], Robert Bonin[2], Jaideep Bains[1]	[1]Hotchkiss Brain Institute, [2]University of Toronto
Monday, May 30, 2016	1-E-122	Weight Loss in the 5XFAD Mouse Model of Alzheimer's Disease: A Behavioural and Hormonal Analysis	William Gendron[1], Stephanie Pelletier[1], Michael Landsman[1], Younes Anini[1], Richard Brown[1]	[1]Dalhousie University
Monday, May 30, 2016	1-E-123	Optogenetic manipulation of clock driven activity in the OVLT	Claire Gizowski[1], Cristian Zaelzer[2], Charles Bourque[2]	[1]Research Institute of the McGill University Health Centre, [2]Research Institute of the McGill University Health Centre
Monday, May 30, 2016	1-F-124	Circuit principles of neuronal processing in larval drosophila melanogaster thermotaxis	Bruno Afonso[1], Mason Klein[2], Matthew Berck[1], Ivan Larderet[3], Marc Gershow[4], James Truman[5], Simon Sprecher[3], Albert Cardona[5], Aravinthan Samuel[6], Marta Zlatic[5]	[1]HHMI Janelia / Harvard University, [2]University of Miami, [3]University of Fribourg, [4]NYU, [5]HHMI Janelia, [6]Harvard University
Monday, May 30, 2016	1-F-125	Utility of a Reading Span Task in assessing cognition in early-phase relapsing-remitting multiple sclerosis	Maha Abu-AlHawa[1], Jason Berard[2], Lindsay Berrigan[3], Lisa Walker[4]	[1]Carleton University , [2]University of Ottawa , [3]St. Francis Xavier University , [4]The Ottawa Hospital
Monday, May 30, 2016	1-F-126	Differences in neural circuits activated by safety learning or fear extinction in rodents	Maimoona Altaf[1], Alixandra Albert[1], Holly Turner[1], Alena Kalinina[1], Hugo Lehmann[1], Neil Fournier[1]	[1]Trent University
Monday, May 30, 2016	1-F-127	Effects of forced swimming in neonatal rats with excitotoxic lesion in the corpus callosum	Alfonso Arrazola [1], Gina Quirarte[1], Thalía Harmony[1]	[1]Instituto de Neurobiología de la Univercidad Nacional Autonoma de México
Monday, May 30, 2016	1-F-128	The Relationship between Schizotypy and the Propensity to Accept Extraordinary Social Roles	Gifty Asare[1], Ana Fernandez Cruz[2], Ola Mohamed Ali[1], Ishan Walpola[1], Julia Segal[3], Jacques Bruno Debruille[4]	[1]McGill University, [2]McGill University Integrated Program in Neuroscience, [3]McGill University, Douglas Mental Health University Institute, [4]McGill University, Douglas Mental Health University Institute, Department of Neurology and Neurosurg
Monday, May 30, 2016	1-F-129	The role of the cholinergic midbrain in sensorimotor gating	Erin Azzopardi[1], Andrea Louttit[1], Susanne Schmid[1]	[1]University of Western Ontario
Monday, May 30, 2016	1-F-130	Characterization of Hippocampal Inhibitory Stress Circuitry using Optogenetics	June Jee Bang[1], Shubham Sharma[1], Junchul Kim[1]	[1]U of T
Monday, May 30, 2016	1-F-131	Neuronal Pattern Separation in a Computational Model of Motion Discrimination	Nareg Berberian[1], Amanda MacPherson[2], Lydia Richardson[1], Jean-Philippe Thivierge[1]	[1]University of Ottawa, [2]McGill University

Monday, May 30, 2016	1-F-132	High-Throughput Behavioural Analyses to Bridge the Genotype-Phenotype Gap	Aram Bernardos[1], Andrew Giles[1], Rex Kerr[2], Catharine Rankin[1]	[1]The University of British Columbia, [2]Calico Labs
Monday, May 30, 2016	1-F-133	Focused-Attention versus Open-Monitoring Meditation: An MEG investigation of the underlying oscillatory brain networks	Daphné Bertrand-Dubois[1], David Meunier[2], Tarek Lajnef[1], Annalisa Pascarella[3], Vittorio Pizzella[4], Laura Marzetti[4], Karim Jerbi[1]	[1]CERNEC, Dept. Psychologie, Université de Montréal, [2]Centre de Recherche en Neurosciences de Lyon (CRNL), [3]Consiglio Nazionale delle Ricerche (CNR - National Research Council), [4]Department of Neuroscience, Imaging and Clinical Sciences, G. d'Annunzio University Chieti, Italy ;
Monday, May 30, 2016	1-F-134	A neuroactive bacteria attenuates stress-induced behavioural deficits and inflammation independent of restoring the gut microbiota	Aadil Bharwani[1], Firoz Mian[1], Jane Foster[1], Michael Surette[1], John Bienenstock[1], Paul Forsythe[1]	[1]McMaster University
Monday, May 30, 2016	1-F-135	A Comparison of Pre-Surgical Language Mapping Paradigms Between MEG and fMRI	Ronald Bishop[1], Christopher O'Grady[2], Steven Beyea[1], Gail Eskes[2], Tynan Stevens[2], Timothy Bardouille[1]	[1]IWK Health Centre, [2]Dalhousie University
Monday, May 30, 2016	1-F-136	Representational similarity analysis of category-related recognition-memory signals in the human medial temporal lobe	Anna Blumenthal[1], Bobby Stojanoski[1], Chris Martin[2], Rhodri Cusack[1], Stefan Köhler[1]	[1]University of Western Ontario, [2]University of Toronto
Monday, May 30, 2016	1-F-137	Cognitive Function as Related to Cumulative Head Impact Exposure in Football: Effects of Position	Danielle Brewer Deluce[1], Timothy Wilson[1], Adrian Owen[1]	[1]Western University
Monday, May 30, 2016	1-F-138	Concussion Does Not Affect an Athletes Ability to Inhibit a Motor Response	Kelsey Bryk[1], Jonathan Smirl[1], Alexander Wright[1], Michael Kennefick[1], Colin Wallace[1], Paul van Donkelaar[1]	[1]The University of British Columbia
Monday, May 30, 2016	1-F-139	Examining the effect of chronic intranasal oxytocin administration on the neuroanatomy and behaviour in two different autism-related mouse models	Zsuzsa Buchwald[1], Jacob Ellegood[1], Monique Stuive[1], Evdokia Anagnostou[2], Jason Lerch[1]	[1]Mouse Imaging Center, Hospital for SickKids, [2]Holland Bloorview Research Institutie
Monday, May 30, 2016	1-F-140	Automatic detection of the slow waves in non-anaesthetised mice: comparison of traditional and novel methods	Olga Bukhtiyarova[1], Sara Soltani[1], Sylvain Chauvette[1], Igor Timofeev[1]	[1]Institut universitaire en santé mentale de Québec
Monday, May 30, 2016	1-F-141	Comparing effects of alcohol and marijuana: A go/nogo fMRI study in young adults	Aziza Byron - Alhassan[1], Taylor Hatchard [1], Ola Mioduszewski [1], Andra Smith[1]	[1]University of Ottawa
Monday, May 30, 2016	1-F-142	The Effects of Early Life Trauma on the Self in Eating Disorders	Samantha Carlucci[1], Giorgio Tasca[2], Georg Northoff[3]	[1]The University of Ottawa, [2]The Ottawa Hospital, [3]The Royal Ottawa Hospital
Monday, May 30, 2016	1-F-143	Utilization of Loss- and Gain- of- Function Approaches to test the Functional Role of Progenitor Cells in Stroke Recovery	Maheen Ceizar[1], Karah Lee[1], Marc Vani[1], Anthony Carter[1], Mirela Hasu[1], Matthew Jeffers[1], Amar Sahay[2], Heather Cameron[3], Dale Corbett[1], Diane Lagace[1]	[1]University of Ottawa, [2]Centre of Regnerative Medicine, Harvard Medical School, [3]Neuroscience, National Institute of Health
Monday, May 30, 2016	1-F-144	Mice with deletion of choline acetyltransferase in VGLUT3-positive neurons present memory deficits and altered social behaviour	Kevin Chen[1], Helena Janickova [1], Marco A. M. Prado[1], Vania F. Prado[1]	[1]Robarts Research Institute
Monday, May 30, 2016	1-F-145	Neural correlates of trial-to-trial adjustments of speed-accuracy trade-offs in premotor and primary motor cortex	Guido Guberman[1], David Thura[2], Paul Cisek[2]	[1]McGill University, [2]University of Montreal
Monday, May 30, 2016	1-F-146	Nicotinic restoration of GABAergic transmission in prefrontal cortex mediates facilitative effects on multisensory integration deficits in rodent models of schizophrenia	Jacob Cloke[1], Robin Nguyen[2], David Wasserman[1], Stephanie De Lisio[1], Junchul Kim[2], Craig Bailey[1], Boyer Winters[1]	[1]University of Guelph, [2]University of Toronto

Monday, May 30, 2016	1-F-147	Electrophysiological correlates of subphonemic processing in spoken word recognition	Samantha Kramer[1], Karen Tucker[1], Anna Moro[1], Elisabet Service[1], John Connolly[1]	[1]McMaster University
Monday, May 30, 2016	1-F-148	ERP investigation of attentional and language processes after concussion	Kyle Ruiter[1], Rober Boshra[1], Carol DeMatteo[1], Michael Noseworthy[1], John Connolly[1]	[1]McMaster University
Monday, May 30, 2016	1-F-149	Characterizing Eye-movement Behaviour and Kinematics of Non-Human Primates in a Virtual Environment	Ben Corrigan[1], Roberto Gulli[1], Guillaume Doucet[1], Julio Martinez[2]	[1]McGill Universty, [2]University of Western Ontario
Monday, May 30, 2016	1-F-150	Disturbed Object Processing in 3xTG and 5xFAD Mouse Models of Alzheimer's Disease: Going Beyond "Object Recognition"	Samantha Creighton[1], Daniel Palmer[1], Vania Prado[2], Marco Prado[2], Boyer Winters[1]	[1]University of Guelph, [2]University of Western Ontario
Monday, May 30, 2016	1-F-151	Phosphorylation of Glucocorticoid Receptor in Hippocampal Neurons of Rats Trained in Inhibitory Avoidance	América Cruz-Quiroz[1], Diego González-Franco[1], Paola Bello-Medina [1], Roberto Prado-Alcalá[1], Mauricio Díaz-Muñoz[1], Gina Quirarte[1]	[1]Instituto de Neurobiología, Universidad Nacional Autónoma de México
Monday, May 30, 2016	1-F-152	Differential effects of the T-type calcium channel antagonist, Z944, on behaviours associated with morphine and amphetamine addiction	Jonathan Cunningham[1], Carine Dias[1], Maya Nesbit[1], David Montes[1], Terrance Snutch[1], Anthony Phillips[1]	[1]University of British Columbia
Monday, May 30, 2016	1-F-153	Brain circuits involved in cross-modal target selection for gaze-shift	Mehdi Daemi[1], Douglas Crawford[1]	[1]York University
Monday, May 30, 2016	1-F-154	Effect of steady-state methadone exposure on hedonic reactivity and caloric intake in rats	Stephen Daniels[1], Mick Pratt[1], Francesco Leri[1]	[1]University of Guelph
Monday, May 30, 2016	1-F-155	Role for striatal NFκB in neuroinflammation and depressive-like behaviours induced by saturated high-fat feeding.	Léa Décarie-Spain[1], Sandeep Sharma[1], Cecile Hryhorczuk[1], Victor Issa Garcia[1], Philip Barker[2], Nathalie Arbour[1], Thierry Alquier[1], Stephanie Fulton[1]	[1]Centre hospitalier de l'Université de Montréal , [2]University of British Columbia
Monday, May 30, 2016	1-F-156	Effect of developmental lesioning of prefrontal cortex on attentional set-shifting in rats	Sagar Desai[1], Brian Allman[1], N Rajakumar[1]	[1]University of Western Ontario
Monday, May 30, 2016	1-F-157	Hook, worm, and noodle: Parsing perceptual and conceptual processes of the medial temporal lobe	Danielle Douglas[1], Rachel Newsome[2], Louisa Man[1], Morgan Barense[2]	[1]University of Toronto, [2]University of Toronto, Rotman Research Institute
Monday, May 30, 2016	1-F-158	Differential implication of sleep stages in procedural memory consolidation following a daytime nap: a comparison between meditators and non-meditators.	Simon Dubé[1], Elizaveta Solomonova[1], Cloé Blanchette-Carrière[1], Alexandra Duquette[1], Olivier Dussault[1], Michelle Carr[1], Tyna Paquette[1], Tore Nielsen[1]	[1]Université de Montréal
Monday, May 30, 2016	1-F-159	Building informative neural ensembles to decode attention in primate lateral prefrontal cortex	Lyndon Duong[1], Matthew Leavitt[2], Sebastien Tremblay[2], Adam Sachs[3], Julio Martinez-Trujillo[1]	[1]Western University, [2]McGill University, [3]The Ottawa Hospital
Monday, May 30, 2016	1-F-160	Synaptic zinc is required for the enhancement of adult hippocampal neurogenesis	Michael Chrusch[1], Jacqueline Boon[1], Simon Spanswick[1], Jo Anne Stratton[1], Prajay Shah[1], Haley Vechiarelli[1], Jeff Biernaskie[1], Matthew Hill[1], Richard Dyck[1]	[1]University of Calgary
Monday, May 30, 2016	1-F-161	Enhanced morphological development of adult generated neurons by optogenetic stimulation decreases memory stability.	Jonathan Epp[1], Gisella Vetere[1], Axel Guskjolen[1], Yusing Gu[1], Sheena Josselyn[1], Paul Frankland[1]	[1]Hospital for Sick Children
Monday, May 30, 2016	1-F-162	Polyunsaturated Fatty Acids And Their Metabolites As Possible Mediators Of Depression-Like Behaviors In Rats	Maria Fernandes[1], David Mutch[2], Francesco Leri[2]	[1]Université de Montréal, [2]University of Guelph

Monday, May 30, 2016	1-F-163	Does Physical Activity prevent Dementia? A systematic review	Viviane Grassmann[1], George Mammen[2], Guy Faulkner[3]	[1]University of Toronto, [2]Centre for Addiction and Mental Health, [3]The University of British Columbia
Monday, May 30, 2016	1-F-164	Using pupil response to assess cognitive function across the healthy lifespan	Jeff Huang[1], Matthew Smorenburg[1], Brian Coe[1], Chin-An Wang[1], Douglas Munoz[1]	[1]Queen's University
Monday, May 30, 2016	1-F-165	Using eye movements to establish distinct biomarkers across the healthy lifespan	Matthew Smorenburg[1], Rachel Yep[1], Brian Coe[1], Donald Brien[1], Douglas Munoz[1]	[1]Queen's University
Monday, May 30, 2016	1-G-166	Novel formulation using dendrimers for the intranasal drug delivery to brain	Kosalan Akilan[1], Yogesh Katare[1], Ritesh Daya[1], Jayant Bhandari[1], Abhay Chauhan[2], Ram Mishra[1]	[1]McMaster University, [2]Concordia University
Monday, May 30, 2016	1-G-167	An axicon-based light sheet microscope for large scale and high resolution brain imaging	Cléophace Akitegetse[1], Véronique Rioux[1], Yves De Koninck[1], Daniel Côté[1], Martin Lévesque[1]	[1]Université Laval
Monday, May 30, 2016	1-G-168	Zero-Mode Waveguide Technology for Fluorescent Single-Subunit Counting	Mark Aurousseau[1], Hugo McGuire[1], Derek Bowie[1]	[1]McGill University
Monday, May 30, 2016	1-G-169	Using Induced Pluripotent Stem Cells to Model Rare Neurodevelopmental Disorders	Scott Bell[1], Huashan Peng[1], Carl Ernst[1]	[1]McGill University
Monday, May 30, 2016	1-G-170	Optogenetic control of cAMP and cGMP signalling in living neurons	Fiona Bergin[1], Megan Valencia[1], Kenichi Okamoto[1]	[1]University of Toronto
Monday, May 30, 2016	1-G-171	Anesthetic Detection of Covert Consciousness in a Patient with Unresponsive Wakefulness Syndrome	Stefanie Blain-Moraes[1], John Connolly[2], George Mashour[3]	[1]McGill University, [2]McMaster University, [3]University of Michigan
Monday, May 30, 2016	1-G-172	Novel defined medium GAD-67-GFP-positive organotypic mouse spinal cord cultures; preservation of dorsal horn neuronal and astrocyte phenotypes	Paul Boakye[1], Emma Schmidt[1], Kerri Whitlock[1], Vladimir Rancic[1], Bijal Rawal[1], Klaus Ballanyi[1], Peter Smith[1]	[1]University of Alberta
Monday, May 30, 2016	1-G-173	Machine learning based framework for EEG/ERP analysis	Rober Boshra[1], Kyle Ruiter[1], James Reilly[1], John Connolly[1]	[1]McMaster University
Monday, May 30, 2016	1-G-174	Ultrafast two-photon measurement of membrane potential using a genetically encoded voltage indicator	Simon Chamberland[1], François St-Pierre[2], Michael Lin[3], Katalin Toth[1]	[1]Universite Laval, [2]Baylor College of Medicine and Rice University, [3]Stanford University
Tuesday, May 31, 2016	2-A-1	The Immune Role in Sexual Dimorphism	Roksana Khalid[1], Jane Foster[1]	[1]McMaster University
Tuesday, May 31, 2016	2-A-10	Cellular mechanisms involved in retinoic acid-induced growth cone turning during neuronal regeneration	Tamara Nasser[1], Gaynor Spencer[1]	[1]Brock University
Tuesday, May 31, 2016	2-A-2	The ENU-3 protein family members function in the Wnt pathway parallel to UNC-6/Netrin to promote motor neuron axon outgrowth in C. elegans.	Roxana Florica[1], Victoria Hipolito[1], Stephen Bautista[1], Costin Antonescu[1], Marie Killeen[1]	[1]Ryerson University
Tuesday, May 31, 2016	2-A-3	The role of BDNF in Hebbian structural plasticity in the developing visual system	Elena Kutsarova[1], Martin Munz[1], Alex Wang[1], Olesia Bilash[1], Carmelia Lee[1], Yuan Yuan Zhang[1], Edward Ruthazer[1]	[1]Montreal Neurological Institute, McGill University
Tuesday, May 31, 2016	2-A-4	Role of HDAC2 in GABAergic Parvalbumin-positive cell maturation in basolateral amygdala	Marisol Lavertu Jolin[1], Théo Badra[1], Graziella Di Cristo[1]	[1]CHU Sainte-Justine, Université de Montréal
Tuesday, May 31, 2016	2-A-5	Purkinje cell axon torpedoes in the developing mouse cerebellum	Lovisa Ljungberg[1], Angela Yang[1], Sriram Jayabal[1], Sabrina Quilez[1], Alanna Watt[1]	[1]McGill University
Tuesday, May 31, 2016	2-A-6	The functional requirement for clustered Protocadherin diversity in dendrite self-avoidance	Julie Marocha[1], Julie Lefebvre[1]	[1]Hospital for Sick Children

Tuesday, May 31, 2016	2-A-7	Postnatal development of cerebellar Purkinje cell firing properties	Autumn Metzger[1], Charlotte Rosen[1], Alanna Watt[1]	[1]McGill University
Tuesday, May 31, 2016	2-A-8	Roles of Semaphorin/Plexin signaling in synapse map formation in C. elegans	Kota Mizumoto[1]	[1]University of British Columbia
Tuesday, May 31, 2016	2-A-9	The Mesocorticolimbic Dopamine Pathway Exhibits A Phenotypic Plasticity To The Experience Of Early Life Adversity	Niki Hosseini-Kamkar[1], J. Bruce Morton[1]	[1]University of Western Ontario
Tuesday, May 31, 2016	2-B-11	Characterization of a synaptic vesicle binding site near the tip of the CaV2.2 C-terminal	Sabiha Gardezi[1], Arup Nath[1], Fiona Wong[1], Qi Li[1], Elise Stanley[1]	[1]Krembil Research Institute
Tuesday, May 31, 2016	2-B-12	Target-specific modulation of the cortico-raphe pathway by cannabinoids, but not serotonin	Sean Geddes[1], Saleha Assadzada[1], David Lemelin[1], Alexandra Sokolovski[1], Richard Bergeron[1], Samir Haj-Dahmane[1], Jean-Claude Beique[1]	[1]University of Ottawa
Tuesday, May 31, 2016	2-B-13	Netrin-1 is a potent regulator of synaptic function in the adult hippocampus	Stephen Glasgow[1], Ian Beamish[1], Julien Gibon[1], Anne McKinney[2], Philippe Séguéla[1], Edward Ruthazer[1], Timothy Kennedy[1]	[1]Montreal Neurological Institute, [2]McGill University
Tuesday, May 31, 2016	2-B-14	State- and frequency-dependent modifications of medial temporal lobe activity following deep brain stimulation in macaques	Andrea Gomez Palacio Schjetnan[1], Timothy Leonard[1], Omid Talakoub[1], Kari Hoffman[1]	[1]York University
Tuesday, May 31, 2016	2-B-15	Corticosterone as an Acute Model of Stress: Effects on 5-HT7 Receptor Signalling in the HT22 Hippocampus-Derived Cell-Line	Nyasha Gondora[1], Afroditi Blandin[2], Michael Beazely[1], John Mielke[1]	[1]University of Waterloo, [2]Technische Universität Braunschweig
Tuesday, May 31, 2016	2-B-16	Mechanism of asymmetric electrical coupling between a pair of cardiorespiratory neurons	Yueling Gu[1], Guan Zhu[1], Neil Magoski[1]	[1]Queen's University
Tuesday, May 31, 2016	2-B-17	Developing Multi-Compartment Models of Interneuron Specific 3 (IS3) Cells in Hippocampus Using a Semi-Automated Approach	Alexandre Guet-McCreight[1], Olivier Camiré[2], Lisa Topolnik[2], Frances Skinner[1]	[1]Krembil Research Institute & University of Toronto, [2]Centre de Recherche du CHU de Québec, Université Laval
Tuesday, May 31, 2016	2-B-18	Calcium Responses to Single Action Potentials in Spinal Cord Lamina I Neurons	Erika Harding[1], Michael Salter[1]	[1]The Hospital for Sick Children
Tuesday, May 31, 2016	2-B-19	New evidence for the involvement of BDNF and pro-BDNF in the regulation of aggressive behavior	Tatiana Ilchibaeva[1], Anton Tsybko[1], Elena Kondaurova[1], Rimma Kozhemyakina[1], Vladimir Naumenko[1]	[1]The Institute of Cytology and Genetics SB RAS
Tuesday, May 31, 2016	2-B-20	Astrocyte independent neurovascular coupling	Adam Institoris[1], Grant Gordon[1]	[1]University of Calgary
Tuesday, May 31, 2016	2-B-21	Effects of phosphorylation on neurosteroid-induced modulation of GABAA receptor currents	Jaymin Jeong[1], Michael Poulter[1]	[1]University of Western Ontario
Tuesday, May 31, 2016	2-B-22	Persistent postanesthetic memory deficits are mediated by an inflammatory pathway	Kirusanthy Kaneshwaran[1], Sean Haffey[1], Gang Lei[1], Dian-Shi Wang[1], Beverley Orser[2]	[1]University of Toronto, [2]University of Toronto; Sunnybrook Health Sciences Centre
Tuesday, May 31, 2016	2-B-23	Exploring the energetics of a high-frequency neuronal oscillator using computational models	Illya Kozak[1], John Lewis[1]	[1]University of Ottawa
Tuesday, May 31, 2016	2-B-24	Oscillations promote neuronal discrimination of EPSP events with single neurons and population codes	Eric Kuebler[1], Jean-Philippe Thivierge[1]	[1]University of Ottawa
Tuesday, May 31, 2016	2-B-25	Expression and roles of K+ channels (Kir2.1, Kv1.3) in microglial anti-inflammatory states: Proliferation and migration	Doris Lam[1], Lyanne Schlichter[1]	[1]Krembil Research Institute, University of Toronto
Tuesday, May 31, 2016	2-B-26	NMDA receptor elevation of cytosolic reactive oxygen species strengthens GABAergic signaling	Erik Larson[1], Michael Accardi[1], Derek Bowie[1]	[1]McGill

Tuesday, May 31, 2016	2-B-27	Morphine-mediated phosphorylation of the P2X7 receptor critically gates analgesic tolerance	Heather Leduc-Pessah[1], Nicholas Weilinger[1], Churmy Fan[1], Nicole Burma[1], Roger Thompson[1], Tuan Trang[1]	[1]University of Calgary
Tuesday, May 31, 2016	2-B-28	Correlated synaptic inputs drive dendritic calcium amplification and cooperative plasticity during clustered synapse development	Kevin Lee[1], Cary Soares[1], Jean-Philippe Thivierge[1], Jean-Claude Beique[1]	[1]University of Ottawa
Tuesday, May 31, 2016	2-B-29	AMPK-dependent regulation of the sodium channel Nav1.3 in rat subfornical organ	Samantha Lee[1], Lauren Shute[1], Mark Fry[1]	[1]University of Manitoba
Tuesday, May 31, 2016	2-B-30	The role of PAK signaling in the entorhinal cortex in the regulation of synaptic plasticity and social memory	Celeste Leung[1], Feng Cao[1], Zhengping Jia[1]	[1]The Hospital for Sick Children
Tuesday, May 31, 2016	2-B-31	Glycine primes depression of NMDA receptor-mediated synaptic transmission in pyramidal neurons but not interneurons in the CA1 region of the hippocampus	Hongbin LI[1], Ameet Sengar[1], Lu Han[1], Pragya Komal[1], Michael Salter[1]	[1]The Hospital for Sick Children
Tuesday, May 31, 2016	2-B-32	Presynaptic NMDA receptors act via RIM1αβ to control the readily releasable pool in neocortical layer-5 pyramidal neurons	Therese Abrahamsson[1], Sally Li[1], Christina You Chien Chou[1], Adamo Mancino[1], Erin Nuro[1], William Todd Farmer[1], Rui Costa[2], Kate Buchanan[3], Dale Elgar[3], Arne Blackman[3], Julia Oyrer[3], Adam Tudor-Jones[3], Mark Van Rossum[2], Keith Murai[1], Per Jesper Sjostrom[1]	[1]McGill University, [2]University of Edinburgh, [3]University College London
Tuesday, May 31, 2016	2-B-33	Molecular mechanisms of IGF-1 on the growth cone guidance in developing motoneuron.	Jau-Cheng Liou[1], Kun-Lin Yang[1]	[1]National Sun Yat-Sen University
Tuesday, May 31, 2016	2-B-34	Rapid postsynaptic cAMP modulates synapse structural potentiation (sLTP)	Thomas Luyben[1], Jelena Borovac[1], Megan Valencia[1], Mustafa Khan[1], Kenichi Okamoto[1]	[1]The Lunenfeld-Tanenbaum Research Institute
Tuesday, May 31, 2016	2-B-35	Binding Affinity of Guanosine to the G1 Receptor	Crystal Mahadeo[1], Cai Jiang[1], Ritesh Daya[1], Yong-Fang Zhu[1], Ram Mishra[1], Shucui Jiang[1]	[1]McMaster University
Tuesday, May 31, 2016	2-B-36	Sex Differences in Microglia and P2X4 Receptor Mediation of Neuropathic Pain in Rats	Josiane Mapplebeck[1], Orla Moriarty [2], Simon Beggs[1], Yushan Tu[1], Jeffrey Mogil[1], Michael Salter[1]	[1]Hospital for Sick Children, [2]University College London
Tuesday, May 31, 2016	2-B-37	Neuronal correlates for bi-directional adaptation of the hypothalamic-pituitary-adrenal (HPA) axis during chronic stress.	Sara Matovic[1], Eric Salter[1], Wataru Inoue[1]	[1]Robarts Research Institute
Tuesday, May 31, 2016	2-B-38	Theta Burst Neural Activity Alters Resting Astrocyte Ca2+ and Arteriole Tone	Eslam Mehina[1], Grant Gordon[1]	[1]University of Calgary
Tuesday, May 31, 2016	2-B-39	Origins of voltage-gated sodium and calcium channels in primordial single-celled eukaryote Salpingoeca rosetta	Amrit Mehta[1], David Spafford[1]	[1]University of Waterloo
Tuesday, May 31, 2016	2-B-40	NMDA receptor/CaMKII signaling modulates firing properties in cerebellar stellate cells	Lois Miraucourt[1], Ryan Alexander[1], Derek Bowie[1]	[1]McGill University
Tuesday, May 31, 2016	2-B-41	Regulation of entorhinal cortical input to hippocampal granule cells by local inhibitory network in the dentate gyrus	Yanina Mircheva[1], Katalin Toth[1]	[1]University of Laval , Institut Universitaire de la sante mentale Robert Giffard
Tuesday, May 31, 2016	2-B-42	PV+ Interneurons Constrain the Lateral Amygdala Engram to a Sparse Representation	Dano Morrison[1], Chen Yan[1], Adelaide Yiu[1], Sheena Josselyn[1]	[1]University of Toronto

Tuesday, May 31, 2016	2-B-43	Dexmedetomidine prevents an anesthetic-induced persistent increase in GABAA receptor current	Fariya Mostafa[1], Irene Lecker[1], Dian-Shi Wang[1], Junhui Wang[1], Kirusanthy Kaneshwaran[1], Sinziana Avramescu[2], Gang Lei[1], Beverley Orser[2]	[1]University of Toronto, [2]University of Toronto; Sunnybrook Health Sciences Centre
Tuesday, May 31, 2016	2-B-44	Non-convulsive seizures observed from adult mice following middle cerebral artery occlusion: Involvement of hippocampal circuitry	Sivakami Mylvaganam [1], Justin Wang[1], Saeyon Mylvaganam[1], Chiping Wu[1], James Eubanks[1], Liang Zhang[1]	[1]Toronto Western Hospital
Tuesday, May 31, 2016	2-B-45	Netrin-1 Regulates Mitochondrial Dynamics in Oligodendrocytes	Diane Nakamura[1], Timothy Kennedy[1]	[1]Montreal Neurological Institute
Tuesday, May 31, 2016	2-B-46	Synaptic gain control in the neuroendocrine stress axis	Eric Salter[1], Sara Matovic[1], Wataru Inoue[1]	[1]University of Western Ontario
Tuesday, May 31, 2016	2-C-47	Amyloid- β Clearance by Glia of wild-type and FAD amyloid	Shireen Hossain[1], Meng Zhang[1], Nancy He[1], Guillermina Almazan[1], Gerhard Multhaup[1]	[1]McGill University
Tuesday, May 31, 2016	2-C-48	Exploring the effect of scyllo-inositol treatment on the transcriptome in a mouse model of Alzheimer's disease	Qingda Hu[1], Mary Brown[2], Aaron Lai[1], JoAnne McLaurin[1]	[1]University of Toronto, [2]Sunnybrook Health Sciences Centre
Tuesday, May 31, 2016	2-C-49	GSK-3β specific inhibitor, TDZD-8, is neuroprotective against neonatal hypoxic ischemic brain injury	Sammen Huang[1], Haitao Wang[1], Ahmed Abussaud[1], Ekaterina Turlova[1], Ana Martinez[2], Hong-Shuo Sun[1], Zhong-Ping Feng[1]	[1]University of Toronto , [2]Centro de Investigaciones Biologicas-CSIC
Tuesday, May 31, 2016	2-C-50	Microstimulation-induced tremor oscillations in human globus pallidus	William Hutchison[1], Shane Ellis[1], Diellor Basha[1], Andres Lozano[1], Mojdan Hodaie[1], Suneil Kalia[1], Adriana Lopez Rios[2]	[1]University of Toronto and Toronto Western Hospital, [2]Hospital Universitario San Vicente de Paul Rionegro-Medellin
Tuesday, May 31, 2016	2-C-51	Effects of a nutraceutical formulation on hippocampal neurogenesis, brain-derived neurotropic factor and memory in the 3xTg-AD mouse model of Alzheimer's disease	Craig Hutton[1], Ledor Babatinca[1], Judith Tran[1], Elyse Rosa[1], Jennifer Lemon[1], Minesh Kapadia[1], Boris Sakic[1], C. David Rollo[1], Douglas Boreham[1], Margaret Fahnestock[1], J. Martin Wojtowicz[2], Suzanna Becker[1]	[1]McMaster University, [2]University of Toronto
Tuesday, May 31, 2016	2-C-52	A simple network simulates symptoms of schizophrenia by integrating functions of inhibitory, excitatory, and neuromodulatory systems	Nathan Insel[1], Blake Richards[2]	[1]University of Toronto, [2]University of Toronto Scarborough
Tuesday, May 31, 2016	2-C-53	Ocular hypertension induces early mitochondrial alterations in retinal endothelial cells in a murine glaucoma model	Yoko Ito[1], Ariel Wilson[2], Christine Vande Velde[1], Przemyslaw Sapieha[2], Adriana Di Polo[1]	[1]CRCHUM, [2]Maisonneuve-Rosemont Hospital Research Centre
Tuesday, May 31, 2016	2-C-54	Interaction between Alzheimer's Disease and Metabolic syndrome	Nadezda Ivanova[1], Nina Weishaupt[1], Shawn Whitehead[1], David Cechetto[1]	[1]Western University
Tuesday, May 31, 2016	2-C-55	4-Aminopyridine alleviates ataxia and reverses cerebellar cortical output deficiency in a mouse model of spinocerebellar ataxia type 6	Sriram Jayabal[1], Alanna Watt[1]	[1]McGill University
Tuesday, May 31, 2016	2-C-56	Combinational Therapeutics in Alzheimer Disease: A Novel Treatment Paradigm	Stefan Jevtic[1], Mingzhe Liu[2], Kelly Markham-Coultes[3], Kullervo Hynynen[2], Isabelle Aubert[2], JoAnne McLaurin[2]	[1]University of Toronto, [2]University of Toronto, Sunnybrook Research Institute, [3]Sunnybrook Research Institute
Tuesday, May 31, 2016	2-C-57	After intracerebral hemorrhage, oligodendrocyte precursors proliferate and differentiate inside white-matter tracts in the rat striatum	Michael Joseph[1], Jayalakshmi Caliaperumal[2], Lyanne Schlichter[1]	[1]Krembil Research Institute, University Health Network/University of Toronto, [2]Krembil Research Institute, University Health Network

Tuesday, May 31, 2016	2-C-58	Defining the circuitry of Infantile Spasms using the Ts65Dn mouse model.	Krutika Joshi[1], Ara Karakashian[1], Lily Shen[1], Miguel Cortez[1], O.Carter Snead[1]	[1]The Hospital for Sick Children
Tuesday, May 31, 2016	2-C-59	PAOPA - A promising drug candidate for neuropsychiatric disorders and its neuroprotective effects through increased expression of neurotrophic factors	Hetshree Joshi[1], Shreya Prashar[1], Ram Mishra[1]	[1]McMaster University
Tuesday, May 31, 2016	2-C-60	Functional Integration Of New Cortical Neurons Following Focal Stroke	Timal Kannangara[1], Jean-Claude Béïque[1], Diane Lagace[1]	[1]University of Ottawa
Tuesday, May 31, 2016	2-C-61	Characterizing Spontaneous Recovery of Motor Function Following Cortical and Subcortical Stroke	Sudhir Karthikeyan[1], Matthew Jeffers[1], Anthony Carter[1], Dale Corbett[1]	[1]University of Ottawa
Tuesday, May 31, 2016	2-C-62	Inhibitory Synaptic Transmission and KCC2 Function in the Motor Cortex of the Presymptomatic ALS Mouse	Sahara Khademullah[1], Zahra Dargaei[1], Melanie Woodin[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-C-63	Toward a valid animal model of alcohol use disorder in schizophrenia: an assessment of face, predictive and construct validities	Jibran Khokhar[1], Alan Green[1]	[1]Dartmouth College
Tuesday, May 31, 2016	2-C-64	SUMO1 over-expression in adult neurogenesis and Alzheimer?s disease pathology	Erin Knock[1], Grace Rooke[2], Joseph Silburt[1], Kyung Han[1], Kathy Ha[1], Zhilan Wang[1], Rosemary Ahrens[1], Isabelle Aubert[3], Ottavio Arancio[4], Paul Fraser[1]	[1]University of Toronto, [2]Dalhousie University, [3]Sunnybrooke Research Institute, [4]Columbia University
Tuesday, May 31, 2016	2-C-65	DIXDC1 phosphorylation and control of dendritic morphology is impaired by rare genetic variants	Vickie Kwan[1], Claudia Hung[1], Nicholas Holzapfel[1], Nadeem Murtaza[1], Brianna Unda[1], Sean White[1], Kristin Hope[1], Ray Truant[1], Stephen Scherer[2], Karun Singh[1]	[1]McMaster University, [2]Hospital for Sick Children
Tuesday, May 31, 2016	2-C-66	Molecular basis of using scyllo-inositol as a treatment for neuropsychiatric symptoms	Aaron Lai[1], Qingda Hu[1], JoAnne McLaurin[1]	[1]Sunnybrook Research Institute
Tuesday, May 31, 2016	2-C-67	Characterization of functional and pathological changes in the brain microvasculature in a rat model of Alzheimer's disease	Lewis Joo[1], Aaron Lai[1], John Sled[2], JoAnne McLaurin[1], Bojana Stefanovic[1]	[1]Sunnybrook Research Institute, [2]Hospital for Sick Children
Tuesday, May 31, 2016	2-C-68	The role of hypertension and inflammation in an Alzheimer disease rat model	Alexander Levit[1], Vladimir Hachinski[1], Shawn Whitehead[1]	[1]University of Western Ontario
Tuesday, May 31, 2016	2-C-69	Inhibition of co-chaperone proteins to mitigate dopaminergic neurodegeneration	Stanley Li[1], Suneil Kalia[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-C-70	Abeta Intermediates in the CSF of Patients with Mild Cognitive Impairment versus Alzheimer Disease	Filip Liebsch[1], Luka Kulic[2], Charlotte Teunissen[3], Christoph Hock[2], Judes Poirier[1], John Breitner[1], Gerd Multhaup[1]	[1]McGill University, [2]University of Zurich, [3]VU University Medical Center
Tuesday, May 31, 2016	2-C-71	Interleukin-4-evoked alternative microglial activation increases neutrophil infiltration, astrogliosis and neuron damage if injected into the brain at the onset of ischemia	Starlee Lively[1], Sarah Hutchings[2], Lyanne Schlichter[3]	[1]Krembil Research Instituite, [2]National University of Ireland Galway, [3]Krembil Research Institute
Tuesday, May 31, 2016	2-C-72	Compensatory forelimb opportunity affects performance in a rat model of post-stroke reaching.	Jessica Livingston-Thomas[1], Matthew Jeffers[1], Dale Corbett[1]	[1]University of Ottawa
Tuesday, May 31, 2016	2-C-73	Neuronal nitric oxide synthase regulates the slow EPSC of cerebellar PF-PN synapses by modulating STIM1-mediated gating of TRPC3 channels	Wei-Yang Lu[1], Le Gui[1], Yun-Yan Xiang[1], Wataru Inove[1], Qingping Feng[1]	[1]The University of Western Ontario
Tuesday, May 31, 2016	2-C-74	Vasculotide treatment accelerates restoration of the blood-brain barrier after focused ultrasound in a mouse model of Alzheimer's disease	Madelaine Lynch[1], Meaghan O'Reilly[1], Kelly Coultes[1], Paul Van Slyke[2], Dan Dumont[1], Kullervo Hynynen[1], Isabelle Aubert[1]	[1]Sunnybrook Research Institute, [2]Vasomune Therapeutics

Tuesday, May 31, 2016	2-C-75	Mobilization of Hematopoietic Precursor Cells Highly Expressing the Interleukin-1 Receptor to the Central Nervous System During Experimental Autoimmunce Encephalomyelitis	Benoit Mailhot[1], Sébastien Lévesque[1], Alexandre Paré[1], Daniel Coutu[2], Timm Schroeder[2], Steve Lacroix[1]	[1]Centre Hospitalier Université Laval (CHUL), [2]ETH
Tuesday, May 31, 2016	2-C-76	Examining the protective effects of physical exercise on the hippocampal formation in a mouse model of Alzheimers disease	Ewelina Maliszewska-Cyna[1], Jonathan Oore[1], Kristiana Xhima[1], Lynsie Thomason[1], Joseph Steinman[2], JoAnne McLaurin[1], John Sled[2], Bojana Stefanovic[1], Isabelle Aubert[1]	[1]Sunnybrook Research Institute, [2]Hospital for Sick Children
Tuesday, May 31, 2016	2-C-77	Identification of protein interactions regulated by alpha-synuclein serine 129 phosphorylation	Maria Marano[1], Ye Liu[1], Kyung Han[1], Meredith Fraser[2], Tammy Langman[1], Anurag Tandon[1]	[1]University of Toronto, [2]Dalhousie University
Tuesday, May 31, 2016	2-C-78	Neuroprotective Potentiel of Epsilon-Viniferin in a Cellular Model of Parkinson's Disease	Alex Gelinas[1], Justine Renaud[1], Valérie Leblanc[1], Jerôme Guillard[2], Maria Martinoli[1]	[1]Université du Québec, [2]Université de Poitiers
Tuesday, May 31, 2016	2-C-79	Behavioral and neurochemical changes in mice with increased dopamine transporter and decreased vesicular monoamine transporter 2 expression	Shababa Masoud[1], Amy Ramsey[1], Gary Miller[2], Ali Salahpour[1]	[1]University of Toronto, [2]Emory University
Tuesday, May 31, 2016	2-C-80	High-throughput phenotypic profiling of genes implicated in Autism Spectrum Disorders	Troy McDiarmid[1], Catharine Rankin [1]	[1]Univerisity of British Columbia
Tuesday, May 31, 2016	2-C-81	Are There Sex Linked Differences Following Ischemic Injury Across the Longitudinal Axis of the Rat Hippocampus?	Sheleza Ahad[1], John Mielke[1]	[1]University of Waterloo
Tuesday, May 31, 2016	2-C-82	A novel chemo-optogenetic model of inducible focal epileptic seizures	Rea Mitelman[1], Dana Levy[1], Ilan Lampl[1], Ofer Yizhar[1]	[1]Weizmann Institute of Science
Tuesday, May 31, 2016	2-C-83	The role of the subthalamic nucleus in response inhibition: evidence from both single-cell level and local field potentials in the human sub-thalamic nucleus with Parkinson's disease	Negar Mohammadi[1], Luis Fernando Botero Posada[2], Adriana Lucia Lopez Rios[2], William Hutchison[1]	[1]University of Toronto, [2]Hospital Universitario De San Vicente Fundacion
Tuesday, May 31, 2016	2-C-84	Multi-drug therapeutic approach enhances neurogenesis in Alzheimer's disease mice	Christopher Morrone[1], Lynsie Thomason[1], Mary Brown[1], Isabelle Aubert[1], JoAnne McLaurin[1]	[1]Sunnybrook Research Institute
Tuesday, May 31, 2016	2-C-85	Intellectual Outcome in Molecular Subgroups of Medulloblastoma	Iska Moxon-Emre[1], Michael Taylor[1], Eric Bouffet[2], Kristina Hardy[3], Cynthia Campen[4], David Malkin[1], Cynthia Hawkins[1], Normand Laperriere[1], Vijay Ramaswamy[2], Nadia Scantlebury[2], Laura Janzen[1], Nicole Law[1], Karin Walsh[3], Donald Mabbott[1]	[1]Hospital for Sick Children & University of Toronto, [2]Hospital for Sick Children, [3]Children's National Health System, [4]Lucile Packard Children's Hospital
Tuesday, May 31, 2016	2-C-86	Disruption of TAO2 in Autism Spectrum Disorders and the Characterization of TAO2 KO Mice as an ASD Model	Nadeem Murtaza[1], Melanie Richter[2], Sean White[1], Vickie Kwan[1], Susan Walker[3], Stephen Scherer[3], Froylan Calderon de Anda[2], Karun Singh[1]	[1]Stem Cell and Cancer Research Institute/Mcmaster University, [2]Centre for Molecular Neurobiology/University of Hamburg, [3]The Hospital for Sick Children

Tuesday, May 31, 2016	2-C-87	Neuroprotective and Immunomodulatory Effects of the Plasmalogens Precursor, PPI-1011, in the Enteric Nervous System in Parkinson's Disease	Jordan Nadeau[1], Édith Miville-Godbout[1], Mélanie Bourque[1], Marc Morissette[1], Sara Al Sweidi[2], Tara Smith[2], Mélissa Côté[3], Asuka Mochizuki[2], Vijitha Senanayake[2], Dushmanthi Jaysinghe[2], Li Wang[2], Thérèse Di Paolo[1], Denis Soulet[1]	[1]ULAVAL, [2]Phenomenome Discoveries Inc., [3]CRHU de Québec
Tuesday, May 31, 2016	2-C-88	GABA and glutamate levels in the brains of people with multiple sclerosis are related to markers of demyelination and clinical impairment	Julia Nantes[1], Sébastien Proulx[1], Jidan Zhong[2], Scott Holmes[1], Sridar Narayanan[1], Lisa Koski[1]	[1]McGill University, [2]University of Toronto
Tuesday, May 31, 2016	2-C-89	Brain state dependent signaling and function of CRF1 receptors	Chakravarthi Narla[1]	[1]Robarts Research Institute
Tuesday, May 31, 2016	2-C-90	TrkB Activation Rescues PI3K/Akt Signaling and Autistic-Like Behavior in the Valproic Acid-Induced Mouse Model	Chiara Nicolini[1], Vadim Aksenov[1], Elyse Rosa[1], Bernadeta Michalski[1], David Rollo[1], Jane Foster[1], Frank Longo[2], Margaret Fahnestock[1]	[1]McMaster University, [2]Stanford University School of Medicine
Tuesday, May 31, 2016	2-C-91	Quantitating Neuropathological Features in the Cerebellum of a Mouse Model of Fragile X Syndrome	Yosuke Niibori[1], David Hampson[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-C-92	Characterizing the Effects of CBD in the Mesolimbic Dopamine System	Christopher Norris[1], Jordan Zunder[2], Michael Loureiro[3], Justine Renard[1], Steven Laviolette[1]	[1]The University of Western Ontario, [2]University of Limerick, [3]University of Geneva
Tuesday, May 31, 2016	2-C-93	Gait disturbances in the 5xFAD transgenic mouse model of Alzheimer's Disease	Wai-Jane Lee [1], Flavio Beraldo[1], Matthew Cowan[1], Boyer Winters[2], Vania Prado[1], Marco Prado[1]	[1]Robarts Research Institute, University of Western Ontario, [2]University of Guelph
Tuesday, May 31, 2016	2-D-100	Real-time in vivo plasticity of corticostriatal afferent activity during skill learning	David Kupferschmidt[1], Guohong Cui[2], David Lovinger[1]	[1]NIH / NIAAA, [2]NIH / NIEHS
Tuesday, May 31, 2016	2-D-101	Galvanic Vestibular Stimulation in Primates: Recording Vestibular Afferents during Transmastoid Stimulation	Annie Kwan[1], Diana Mitchell[1], Patrick Forbes[2], Jean-Sébastien Blouin[3], Kathleen Cullen[1]	[1]McGill University, [2]Delft University of Technology, [3]University of British Columbia
Tuesday, May 31, 2016	2-D-102	Noise enables multiplexed coding of fast and slow signals through synchronous and asynchronous spiking	Milad Lankarany[1], Stephanie Ratte[1], Steven Prescott[1]	[1]The Hospital for Sick Children
Tuesday, May 31, 2016	2-D-103	Effect of allocentric cues on primate gaze behaviour in a cue conflict task	Jirui Li[1], Amir Sajad[1], Robert Marino[2], Xiaogang Yan[1], Saihong Sun[1], Hongying Wang[1], John Crawford[1]	[1]York University, [2]Queen's University
Tuesday, May 31, 2016	2-D-104	An adaptation-induced tactile spatial illusion: experimental demonstration and Bayesian modelling	Luxi Li[1], Daniel Goldreich[1]	[1]McMaster University
Tuesday, May 31, 2016	2-D-105	Encoding of gravity by the periphery and the central neurons during passive and active head tilt	Isabelle Mackrous[1], Jérôme Carriot[2], Kathleen Cullen[1]	[1]McGill University, [2]University of Western Ontario
Tuesday, May 31, 2016	2-D-106	Effects of enriched environment exposure on retinal and visual cortex functions	emna mahjoub[1], Sébastien Thomas[1], Christian Casanova[1]	[1]Université de Montréal
Tuesday, May 31, 2016	2-D-107	Functional plasticity in primary somatosensory cortex supports motor learning by observing	Heather McGregor[1], Joshua Cashaback[1], Paul Gribble[1]	[1]The University of Western Ontario
Tuesday, May 31, 2016	2-D-108	Frequency-specific activity in the subthalamic nucleus during isometric hand contraction	Luka Milosevic[1], Suneil Kalia[1], Mojgan Hodaie[1], Andres Lozano[1], Milos Popovic[1], William Hutchison[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-D-109	Plasticity within early vestibular pathways: implications for the efficacy of a vestibular prosthesis	Diana Mitchell[1], Charles Della Santina[2], Kathleen Cullen[1]	[1]McGill University, [2]Johns Hopkins

Tuesday, May 31, 2016	2-D-110	Effect of novel cannabinoid type 2 in an animal model of acute inflammatory orofacial pain.	Graziella Molska[1], Helena Filippini[1], Limor Avivi-Arber[1], Barry Sessle[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-D-111	Adapted use of audiovisual information for person and object recognition in people with one eye	Stefania Moro[1], Adria Hoover[1], Jennifer Steeves[1]	[1]York University
Tuesday, May 31, 2016	2-D-112	Lack of adenylate cyclase 1 (AC1): Consequences on corticospinal tract development and on locomotor recovery after spinal cord injury	Hanane Nait Taleb Ali[1], Sophie Scotto-Lomassese [2], Isabelle Dusart[2], Patricia Gaspar[2], Mohamed Bennis[1]	[1]Faculty of Science Semlalia , [2]universite Paris 6
Tuesday, May 31, 2016	2-D-113	Cholinergic denervation of the rat posterior parietal cortex impairs complex stimulus discrimination	Hoang Nam Nguyen[1], Frédéric Huppé-Gourgues[1], Elvire Vaucher[1]	[1]Université de Montréal
Tuesday, May 31, 2016	2-D-114	Effects of Passive Stretch on Reflex Excitability in Neurologically Intact Participants	Steven Noble[1], Greg E.P. Pearcey[1], Paul Zehr[1], Caroline Quartly [2]	[1]University of Victoria, [2]Vancouver Island Health
Tuesday, May 31, 2016	2-D-94	Activation of a Respiratory Medullary Motor Circuit by Remote Control	Garret Horton[1], Jimmy Fraigne[1], Zoltan Torontali[1], Jennifer Lapierre[1], Hattie Liu[1], Gaspard Montandon[1], John Peever[1], Richard Horner[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-D-95	Dynamic neural tuning and perception enables adaptation to natural sensory stimuli under behaviorally-relevant contexts	Chengjie Huang[1], Diana Martinez[1], Michael Metzen[1], Maurice Chacron[1]	[1]McGill University
Tuesday, May 31, 2016	2-D-96	Interactions between Posterior Parietal and Primary Motor Cortices relates to Rubber Hand Illusion	Reina Isayama[1], Michael Vesia[2], Gaayathiri Jegatheeswaran[1], Behzad Elahi[3], Carolyn Gunraj[2], Lucilla Cardinali[4], Alessandro Farne[5], Robert Chen[1]	[1]University of Toronto/Krembil Research Institute, [2]Krembil Research Institute, [3]University of Toronto, [4]University of Western Ontario, The Brain and Mind Institute, [5]Lyon Neuroscience Research Center
Tuesday, May 31, 2016	2-D-97	Subcortical encoding of speech cues in children with attention deficit hyperactivity disorder	Zahra Jafari[1], Saeed Malayeri[2], Reza Rostami[3]	[1]Iran University of Medical Sciences, School of Rehabilitation Sciences, jafari.z@iums.ac.ir, [2]Newsha Hearing Institute, [3]Tehran University
Tuesday, May 31, 2016	2-D-98	Modulation Effects and Time Course of Target-Distractor Similarity on Saccade Curvatures	Devin Kehoe[1], Selvi Aybulut[1], Mazyar Fallah[1]	[1]York University
Tuesday, May 31, 2016	2-D-99	Multisensory electrophysiology reveals overt and subthreshold non-auditory influences on dorsal auditory cortex	Melanie Kok[1], Andres Carrasco[1], Marvin Meredith[2], Stephen Lomber[1]	[1]University of Western Ontario, [2]Virginia Commonwealth University
Tuesday, May 31, 2016	2-E-115	Subfornical organ neurons respond differentially to applications of cholecystokinin and angiotensin II	Sebastian Gorlewski[1], Nicole Cancelliere[1], Alastair Ferguson[1]	[1]Queen's University
Tuesday, May 31, 2016	2-E-116	Inhibition of corticotropin-releasing factor (CRF) by teneurin C-terminal associated peptide (TCAP)-1: A molecular switch to regulate mitochondrial function.	David Hogg[1], Ola Michalec[1], Mia Husic[1], David Lovejoy[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-E-117	Prostaglandin E2 drives neuroendocrine stress response through presynaptic inhibition of GABA release	Zahra Khazaeipool[1], Wataru Inoue[1]	[1]University of Western Ontario
Tuesday, May 31, 2016	2-E-118	Effects of Intranasal Insulin Administration on Memory in the 5XFAD Mouse Model of Alzheimer's Disease	Amanda Glenn[1], William Gendron[1], Michael Landsman[1], Stephanie Pelletier[1], Sooyoun Shin[1], Younes Anini[1], Richard Brown[1]	[1]Dalhousie
Tuesday, May 31, 2016	2-E-119	High fat diet primes excitatory synapses of orexin neurons to express long term depression	Victoria Linehan[1], Michiru Hirasawa[1]	[1]Memorial University of Newfoundland
Tuesday, May 31, 2016	2-E-120	Adropin Elicits Concentration-Dependent Effects on Hypothalamic Paraventricular Nucleus Neurons	Spencer Loewen[1], Alastair Ferguson[1]	[1]Queen's University

Tuesday, May 31, 2016	2-F-121	DETERMINING COGNITIVE DEFICITS IN MOUSE MODELS OF ALZHEIMER'S DISEASE USING TOUCHSCREEN TASKS: IMPROVING THE TRANSITION FROM BENCH TO BEDSIDE	Flavio Beraldo[1], Talal Masood[1], Daniel Palmer[2], David Wasserman[2], Samantha Creighton[2], Matthew Cowan[1], Benjamin Kolisnyk[1], Mohammed Al-Onaizi[1], Wai-Jane Virginia Lee[1], Tom Gee[3], Shuai Liang[3], Robert Bartha[1], Stephen Strother[3], Vania Prado[1], Boyer Winters[2], Marco Prado[1]	[1]University of Western Ontario , [2]University of Guelph, [3]Rotman Research Institute, Baycrest Hospital
Tuesday, May 31, 2016	2-F-122	Longitudinal assessment of behavioural flexibility and visual spatial integration learning in the 5xFAD mouse model of Alzheimer's disease using automated touchscreen systems	Daniel Palmer[1], David Wasserman[1], Samantha Creighton[1], Theresa Martin[1], Jessica Davidson[1], Flavio Beraldo[2], Matthew Cowan[2], Wai-Jane Lee[2], Talal Masood[2], Vania Prado[2], Marco Prado[2], Boyer Winters[1]	[1]University of Guelph, [2]Western University
Tuesday, May 31, 2016	2-F-123	Longitudinal assessment of behavioural flexibility and visual spatial integration learning in the 3xTG mouse model of Alzheimer's disease (AD) using automated touchscreen systems	David Wasserman[1], Daniel Palmer[1], Samantha Creighton[1], Theresa Martin[1], Jessica Davidson[1], Flavio Beraldo[2], Wai-Jane Lee[2], Talal Masood[2], Matthew Cowan[2], Vania Prado[2], Marco Prado[2], Boyer Winters[1]	[1]University of Guelph, [2]University of Western Ontario
Tuesday, May 31, 2016	2-F-124	Functional Mapping of Brain Circuits Supporting Social Modulation of Pain in Mice	Holly Turner[1], Sivaani Sivaselvachandran[2], Dana Kousmanidis[1], Salsabil Abdallah[2], Loren Martin[1], Neil Fournier[1]	[1]Trent University, [2]University of Toronto
Tuesday, May 31, 2016	2-F-125	Glutamatergic SubC cells are the core of the REM sleep network	Jimmy Fraigne[1], Zoltan Torontali[1], John Peever[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-F-126	The Hypnotized Brain: An Examination of the iEEG Correlates of Neutral Hypnosis	Shelagh Freedman[1], Jaime Gomez-Ramirez[2], Diego Mateos[2], Jose Luis Perez-Velazquez[3], Taufik Valiante[4]	[1]Concordia University, [2]The Hospital for Sick Children, [3]Division of Neurology, The Hospital for Sick Children, [4]Krembil Research Institute
Tuesday, May 31, 2016	2-F-127	Modelling gambling disorder in rats: interaction of responding for uncertainty and reward predictability on dopamine sensitization and risky decision-making	Victoria Fugariu[1], Martin Zack[1], Paul Fletcher[2], Fiona Zeeb[2]	[1]University of Toronto, [2]Centre for Addiction and Mental Health
Tuesday, May 31, 2016	2-F-128	Resting-state functional connectivity studies in common marmoset monkeys at 9.4T	Maryam Ghahremani[1], Ravi Menon[1], Stefan Everling[1]	[1]University of Western Ontario
Tuesday, May 31, 2016	2-F-129	Somatosensory attention identifies both overt and covert awareness in disorders of consciousness	Raechelle Gibson[1], Srivas Chennu[2], Davinia Fernández-Espejo[3], Adrian Owen[1], Damian Cruse[3]	[1]Western University, [2]University of Cambridge, [3]University of Birmingham
Tuesday, May 31, 2016	2-F-130	Social isolation reveals a dopamine-independent rewarding motivational response to acute nicotine that is not observed in group-housed mice	Taryn Grieder[1], Mandy Yee[1], Derek van der Kooy[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-F-131	Place coding in the monkey hippocampus is task-dependent during virtual navigation	Roberto Gulli[1], Guillaume Doucet[1], Benjamin Corrigan[1], Lyndon Duong[2], Sylvain Williams[1], Julio Martinez-Trujillo[2]	[1]McGill University, [2]University of Western Ontario

Tuesday, May 31, 2016	2-F-132	Characterization of a rostrocaudal differentiation in the nucleus accumbens core in processing conditioned cues of conflicting valence	Laurie Hamel[1], Tharshika Thangarasa[1], Osai Samadi[1], Rutsuko Ito[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-F-133	A comparison of fMRI-based functional connectivity during resting state and naturalistic stimulation	Amelie Haugg[1], Rhodri Cusack[1], Bettina Sorger[2], Adrian Owen[1], Lorina Naci[1]	[1]University of Western Ontario, [2]Maastricht University
Tuesday, May 31, 2016	2-F-134	Effects of socially-based ensemble music training on children's executive functions: ERP evidence	Nina Hedayati[1], Kylie Schibli[1], Amedeo D'Angiulli[1]	[1]Carleton University
Tuesday, May 31, 2016	2-F-135	The role of noradrenaline in the affective properties of metabolic stressors in laboratory rats	Thomas Horman[1], Francesco Leri[1], Fernanda Fernandez[1]	[1]University of Guelph
Tuesday, May 31, 2016	2-F-136	The effects of fornix stimulation on memory in non-human primates.	Ahmed Hussin[1], Andrea Gomez Palacio Schjetnan[1], Kari Hoffman[1]	[1]York University
Tuesday, May 31, 2016	2-F-137	Behavioural characterization of Grk3 knockout mice	Sophie Imbeault[1], Markus Larsson[1], Sophie Erhardt[1]	[1]Karolinska Institutet
Tuesday, May 31, 2016	2-F-138	Implicit Learning Facilitates Cognitive Control in a Response Switching Task	Silvia Isabella[1], Charline Urbain[2], J. Allan Cheyne[3], Douglas Cheyne[1]	[1]University of Toronto, [2]Hospital for Sick Children, [3]University of Waterloo
Tuesday, May 31, 2016	2-F-139	Molecular pathways responsible for NMDA receptor-mediated behavioural plasticity.	Rehnuma Islam[1], Catharine Mielnik[1], Wendy Horsfall[1], Beverly Orser[1], Amy Ramsey[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-F-140	Wnt inhibitor, IWP-2, impairs expression of amphetamine-produced conditioned place preference in rats	Farhana Islam[1], Richard Beninger[1]	[1]Queen's University
Tuesday, May 31, 2016	2-F-141	Co-allocation of Appetitive and Aversive Memories in the Lateral Amygdala	Alexander Jacob[1], Asim Rashid[2], Chen Yan[1], Paul Frankland[2], Sheena Josselyn[2]	[1]University of Toronto, [2]Hospital for Sick Children
Tuesday, May 31, 2016	2-F-142	Human rGDF-11 counteracts age-related short-term memory impairments in middle-aged mice	Min Zhang[1], Nafisa Jadavji[1], Patrice Smith[1]	[1]Carleton University
Tuesday, May 31, 2016	2-F-143	The Adverse Effect of Auditory Stress on Mice Performance: Impact of Different Type of Stresses and Pregnancy	Zahra Jafari[1], Bryan Kolb[1], Majid H Mohajerani[1]	[1]Lethbridge University
Tuesday, May 31, 2016	2-F-144	Complex visual discrimination of objects requires the hippocampus and is impaired in aged rats	Sarah Johnson[1], Sean Turner[1], Andrew Maurer[1], Sara Burke[1]	[1]Evelyn F. and William L. McKnight Brain Institute / University of Florida
Tuesday, May 31, 2016	2-F-145	Contextual Fear Conditioning in Zebrafish	Justin Kenney[1], Ian Scott[1], Sheena Josselyn[1], Paul Frankland[1]	[1]The Hospital for Sick Children
Tuesday, May 31, 2016	2-F-146	Striatal Regulation by Acetylcholine and Glutamate Co-transmission	Ornela Kljakic[1], Helena Janickova[1], Diana Sakae[2], Mathieu Favier[2], Salah Mestikawy[2], Marco Prado[1], Vania Prado[1]	[1]Robarts Research Institute, University of Western Ontario, [2]Douglas Mental Health University Institute, McGill University
Tuesday, May 31, 2016	2-F-147	Behavior, brain serotonin system and pharmacological responses to stimulation of 5-HT1A receptors in recombinant mouse lines with different predisposition to catalepsy	Elena Kondaurova[1], Elizabeth Kulikova[2], Anton Tsybko[1], Elena Kondaurova[1], Daria Bazovkina[1]	[1]Federal Research Center Institute of Cytology and Genetics, [2]Federal Research Center Institute of Cytolofy and Genetics
Tuesday, May 31, 2016	2-F-148	The Facilitative Effects of Fame on Working Memory	Jaeger Lam[1], Nathan Spreng[2], Gary Turner[1]	[1]York University, [2]Cornell University
Tuesday, May 31, 2016	2-F-149	Cortical mechanisms underlying reach-grasp integration	Ada Le[1], Simona Monaco[2], Ying Chen[1], J Crawford[1]	[1]York University, [2]University of Trento
Tuesday, May 31, 2016	2-F-150	Non-selective neurons contribute information to neuronal ensembles by modifying noise correlation structure	Matthew Leavitt[1], Adam Sachs[2], Julio Martinez-Trujillo[3]	[1]McGill University, [2]Ottawa Hospital Research Institute, University of Ottawa, [3]University of Western Ontario
Tuesday, May 31, 2016	2-F-151	Sharp Wave Ripples during Visual Exploration in the Primate Hippocampus	Timothy Leonard [1], Kari Hoffman [2]	[1]York University , [2]York University

Tuesday, May 31, 2016	2-F-152	Synaptic impairment of frontal cortical fast-spiking basket cells induces cognitive and behavioural deficits in mice with a Cacna1a loss-of-function mutation	Alexis Lupien-Meilleur[1], Ilse Riebe[2], Lena Damaj[1], Catherine Vanasse[1], Louise Gagnon[1], Jean-Claude Lacaille[2], Elsa Rossignol[1]	[1]Centre de recherche du CHU Sainte-Justine, [2]Université de Montréal
Tuesday, May 31, 2016	2-F-153	Differential Effects of Dopamine Antagonists on Cognitive Performance in Healthy Controls	Robert Marino[1], Ian Prescott[1], Pauline Gaprielian[1], Ron Levy[1]	[1]Queen's University
Tuesday, May 31, 2016	2-F-154	Placebo Analgesia in a Chronic Neuropathic Pain Model in Mice	Sarasa Tohyama[1], Loren Martin[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-F-155	Increased Glucocorticoid Receptor Activity in the Medial Prefrontal Cortex Prevents the Expression of Empathy in Mice	Sivaani Sivaselvachandran1[1], Salsabil Abdallah[1], Sarasa Tohyama[1], Loren Martin[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-F-156	Recovery of memory in mice that model Alzheimer's disease	Valentina Mercaldo[1], Adelaide Yiu[1], Derya Sargin[1], Asim Rashid[1], Jonathan Epp[1], Rachael Neve[2], Paul Frankland[1], Sheena Josselyn[1]	[1]Hospital for Sick Children, [2]Massachusetts Institute of Technology
Tuesday, May 31, 2016	2-F-157	Lateral Occipital Complex activation in response to repetitive visual stimuli in People with Migraine Headaches	Marla Mickleborough[1], Layla Gould[1], Chelsea Ekstrand[1], Eric Lorentz[1], Ron Borowsky[1]	[1]University of Saskatchewan
Tuesday, May 31, 2016	2-F-158	Inducible rescue of NMDA receptor deficiency to measure the plasticity of neural networks in a model of schizophrenia	Catharine Mielnik[1], Mary Binko[1], Rehnuma Islam[1], Marija Milenkovic[1], Wendy Horsfall[1], Evelyn Lambe[1], Amy Ramsey[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-F-159	Effect of sexual experience on the rewarding state induced by mating in the female rat.	Isid Min Poblete[1], Raul Paredes Guerrero[1]	[1]UNAM
Tuesday, May 31, 2016	2-F-160	Dissociable roles of GADD45α/ß in the rat perirhinal cortex and hippocampus for object memory: Different forms of DNA methylation?	Krista Mitchnick[1]	[1]University of Guelph
Tuesday, May 31, 2016	2-F-161	Hyper-activation of Right Inferior Frontal Gyrus in Pediatric Obsessive-Compulsive Disorder during a Mental Flexibility Task	Alexandra Mogadam[1], Paul Arnold[2], Amanda Robertson[3], Anne Keller[3], Margot Taylor[4], Jason Lerch[3], Evdokia Anagnostou[5], Elizabeth Pang[4]	[1]University of Toronto, [2]University of Calgary, [3]Sick Kids Research Institute, [4]Hospital for Sick Children, [5]Holland Bloorview Kids Rehabilitation Hospital
Tuesday, May 31, 2016	2-F-162	The spatio-temporal dynamics of ?Theory of Mind? in school age children born very preterm	Sarah Mossad[1], Mary Lou Smith[1], Margot Taylor[1]	[1]Hospital for Sick Children, University of Toronto
Tuesday, May 31, 2016	2-G-163	Counting all possible neuronal circuits for input-output data	Anthony Richard[1], Patrick Desrosiers[1], Simon Hardy[1], Nicolas Doyon[1]	[1]Université Laval
Tuesday, May 31, 2016	2-G-164	Analysis of apoptotic cell death contribution in Caspase-3 null mice using an endothelin-1 model of cerebral ischemia	Chesarahmia Dojo Soeandy[1], Faraz Salmasi[1], Jeffrey Henderson[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-G-165	Parametric modelling of oscillatory sources in MEG	Peter Donhauser[1], Sylvain Baillet[1]	[1]McGill University
Tuesday, May 31, 2016	2-G-166	A probabilistic approach to identifying cerebrovascular differences between mouse strains	Sahar Ghanavati[1], Jason Lerch[1], John Sled[1]	[1]University of Toronto
Tuesday, May 31, 2016	2-G-167	Examination of Drosophila Eye Development with THG microscopy	Abiramy Karunendiran[1], Danielle Tokarz[2], Richard Cisek[1], Virginijus Barzda[1], Bryan Stewart[1]	[1]University of Toronto, [2]University Health Network
Tuesday, May 31, 2016	2-G-168	A novel approach to assess neurovascular patterning and remodeling in the mouse brain	Cesar Comin[1], Luciano da F. Costa[1], Baptiste Lacoste[2]	[1]University of Sao Paulo, [2]The Ottawa Hospital Research Institute, University of Ottawa

Tuesday, May 31, 2016	2-G-169	Low profile halo head fixation in non-human primates	Kousha Azimi[1], Ian Prescott[1], Robert Marino[1], Andrew Winterborn[1], Ron Levy[1]	[1]Queen's University
Tuesday, May 31, 2016	2-G-170	Opto-Panx1: Engineering a new optically controlled Pannexin 1 channel	Alexander Lohman[1], Wei Zhang[2], Robert Campbell[2], Roger Thompson[1]	[1]University of Calgary, [2]University of Alberta
Tuesday, May 31, 2016	2-G-171	Application of Support Vector Machines to Longitudinal Functional Neuroimaging Data	Alexander Rudiuk[1], Steve Patterson[2], Steven Beyea[2], Timothy Bardouille[2]	[1]Dalhousie University, [2]IWK Health Centre
Tuesday, May 31, 2016	2-G-172	Single-Cell Optical Control with a Digital Multi-Mirror Device	Kanghoon Seo[1], Matthew Tran[1], Michael Kohl[2], Jee Hyun Kwag[3], Blake Richards[1]	[1]University of Toronto, [2]University of Oxford, [3]Korea University
Tuesday, May 31, 2016	2-G-173	Micropillar arrays selectively coated with humidified microcontact printing reveal cue-dependent traction forces and molecular recruitment within single cells	Abhishek Sinha[1], Sebastien Ricoult[1], Liangcheng Xu[2], David Juncker[1], Timothy Kennedy[1]	[1]McGill University, [2]University of Toronto
Tuesday, May 31, 2016	2-G-174	Advances in Fiber-based Tissue Identification for Electrode Placement in Deep Brain Stimulation Neurosurgery	Damon DePaoli[1], Nicolas Lapointe[1], Laurent Goetz[1], Martin Parent[1], Léo Cantin[2], Michel Prud'Homme[2], Younes Messadeq[1], Daniel Côté[1]	[1]University of Laval, [2]Hôpital de l'Enfant-Jésus
Wednesday, June 1, 2016	3-A-1	A heterosynaptic mechanism controls axon branch dynamics in the Xenopus laevis visual system	Tasnia Rahman[1], Martin Munz[1], Edward Ruthazer[1]	[1]Montreal Neurological Institute
Wednesday, June 1, 2016	3-A-10	Early white matter development and outcomes in children born very preterm	Julia Young[1], Benjamin Morgan[1], Wayne Lee[1], Mary Lou Smith[1], Manohar Shroff[1], John Sled[1], Margot Taylor[1]	[1]The Hospital for Sick Children
Wednesday, June 1, 2016	3-A-2	The RNA-binding protein Musashi2 regulates asymmetric neural precursor cell divisions of the developing cerebral cortex	Kathryn Reynolds[1], John Vessey[1]	[1]University of Guelph
Wednesday, June 1, 2016	3-A-3	Investigating the functional role of RNA-binding protein hnRNP-Q, in regulating asymmetric cell divisions of neural precursor cells during cortical development	Anastasia Smart[1], Fraser McCready[1], Dendra Hillier[1], John Vessey[1]	[1]University of Guelph
Wednesday, June 1, 2016	3-A-4	The Impact of Early-Adolescent Adversity on Social Behaviour and Serotonergic Innervation in Adulthood	Cindy Tao[1], Prateek Dhamija[1], Linda Booij[2], Janet Menard[1]	[1]Queen's University, [2]Concordia University
Wednesday, June 1, 2016	3-A-5	TRPM7 regulates axonal outgrowth and maturation of primary hippocampal neurons.	Ekaterina Turlova[1], Christine YouJin Bae[1], Marielle Deurloo[1], Wenliang Chen[1], Andrew Barszczyk[1], David Horgen[2], Andrea Fleig[3], Zhong-Ping Feng[1], Hong-Shuo Sun[1]	[1]University of Toronto, [2]Hawaii Pacific University, [3]University of Hawaii
Wednesday, June 1, 2016	3-A-6	Re-defining the niche of neural stem cells: determining new roles for forebrain interneuron-secreted signals in cortical progenitor cell oligodendrogenesis	Anastassia Voronova[1], David Kaplan[1], Freda Miller[1]	[1]Hospital for Sick Children
Wednesday, June 1, 2016	3-A-7	Loss of CREB alters brain anatomy	Dulcie Vousden[1], Matthijs van Eede[1], Leigh Spencer Noakes [1], Sheena Josselyn[1], Paul Frankland[1], Brian Nieman[1], Jason Lerch[1]	[1]Hospital for Sick Children
Wednesday, June 1, 2016	3-A-8	Examination of microRNAs in response to retinoic acid during growth cone guidance	Sarah Walker[1], Robert Carlone[1], Gaynor Spencer[1]	[1]Brock University
Wednesday, June 1, 2016	3-A-9	Translational control of neuronal subtype specification by the 4E-T repressive complex in neural precursor cells	Guang Yang[1], Siraj Zahr[2], Hilal Kazan[3], Gianluca Amadei[2], David Kaplan[2], Freda Miller[2]	[1]The Hospital for Sick Children, [2]The Hospital for Sick Children; University of Toronto, [3]Antalya International University

Wednesday, June 1, 2016	3-B-11	Amyloid beta modulates excitotoxic currents during hypoxia.	Laura Palmer[1], Alexander Lohman[1], Roger Thompson[1]	[1]University of Calgary
Wednesday, June 1, 2016	3-B-12	Microglia analysis in T cell deficient mice	Sureka Pavalagantharajah[1], Angela Fan[1], Roksana Khalid[1], Douglas Chung[1], Shawna Thompson[1], Jane Foster[1]	[1]McMaster University
Wednesday, June 1, 2016	3-B-13	Unitary EPSCs at single primary afferent-lamina I neuron synapses show predominant role of GluN2B- and GluN2D-containing NMDA receptors	Graham Pitcher[1], Livia Garzia[1], Sorana Morrissy [1], Michael Taylor[1], Michael Salter[1]	[1]SickKids
Wednesday, June 1, 2016	3-B-14	Optogenetic Modulation of Septal Glutamatergic Neurons in the Freely Moving Mouse	Jennifer Robinson[1], Sylvain Williams[1]	[1]McGill University
Wednesday, June 1, 2016	3-B-15	Effect of pirenzepine and muscarinic toxin-7 on muscarinic acetylcholine type-1 receptor internalization and downstream signaling cascades.	Mohammad Sabbir[1], Paul Fernyhough[1]	[1]St. Boniface Research Centre
Wednesday, June 1, 2016	3-B-16	Chronic ghrelin enhances long-term potentiation and memory in hippocampal CA2 region following streptozotocin-induced diabetes	Bahman Sadeghi[1]	[1]Institute for Research in Fundamental Sciences (IPM)
Wednesday, June 1, 2016	3-B-17	L-type calcium channels functionally couple to IKCa channels to generate an IsAHP	Giriraj Sahu[1], Jason Miclat[1], Gerald Zamponi[1], Ray Turner[1]	[1]University of Calgary
Wednesday, June 1, 2016	3-B-18	p11 corticostriatal neurons have distinctive 5-HT responses sensitive to chronic social isolation stress and to antidepressant treatment	Derya Sargin[1], Kristina Perit[1], Eric Schmidt[2], Revathy Uthaiah[2], Nathaniel Heintz[2], Paul Greengard[2], Evelyn Lambe[1]	[1]University of Toronto, [2]The Rockefeller University
Wednesday, June 1, 2016	3-B-19	ATP-binding Cassette Transporter A7 (ABCA7) Loss of Function Alters Alzheimer Amyloid Processing	Kanayo Satoh[1], Sumiko Abe-Dohmae[2], Shinji Yokoyama[3], Peter St George-Hyslop[1], Paul Fraser[1]	[1]Univerity of Toronto, [2]Nagoya City University Graduate School of Medical Sciences, [3]Chubu University
Wednesday, June 1, 2016	3-B-20	An Evolutionary Switch in ND2 enables Src kinase regulation of NMDA receptors	David Scanlon[1], Alaji Bah[1], Mickaël Krzeminski[1], Wenbo Zhang[1], Heather Leduc-Pessah[1], Yina Dong[1], Julie Forman-Kay[1], Michael Salter[1]	[1]The Hospital for Sick Children
Wednesday, June 1, 2016	3-B-21	Role of Calpain in synaptic potentiation	Kapil Sehgal[1], Valerie Clavet Fournier[1], Paul De Koninck[1]	[1]Université Laval
Wednesday, June 1, 2016	3-B-22	Investigating spiking resonance in computational models of oriens-lacunosum/moleculare (O-LM) hippocampal interneurons with dendritic synaptic inputs	Vladislav Sekulic[1], Josh Lawrence[2], Frances Skinner[1]	[1]Krembil Research Institute and University of Toronto, [2]Texas Tech University Health Sciences Center
Wednesday, June 1, 2016	3-B-23	The local and global influences of neuronal field effects in synchronized networks	Aaron Shifman[1], John Lewis[1]	[1]University of Ottawa
Wednesday, June 1, 2016	3-B-24	The X-linked Intellectual Disability Gene, DHHC9, in Neurite Outgrowth and Synapse Formation	Jordan Shimell[1], D. Jovellar[1], Gian Brigidi[1], Igor Tatarnikov[1], Dayne Kelly[1], Austen Milnerwood[1], Shernaz Bamji[1]	[1]University of British Columbia
Wednesday, June 1, 2016	3-B-25	Complex molecular and functional outcomes of single versus sequential cytokine stimulation of microglia	Tamjeed Siddiqui[1], Starlee Lively[1], Lyanne Schlichter[1]	[1]Krembil Research Institute
Wednesday, June 1, 2016	3-B-26	Radial Glial Motility Regulates Synaptic Development in the Visual System	Mari Sild[1], Marion Van Horn[1], Dantong Jia[1], Anne Schohl[1], Edward Ruthazer[1]	[1]McGill University
Wednesday, June 1, 2016	3-B-27	Theta-frequency stimulation of the parasubiculum promotes short- and long-lasting changes in entorhinal cortex responses to sensory cortical input	Daniel Sparks[1], C. Andrew Chapman[1]	[1]Concordia University

Wednesday, June 1, 2016	3-B-28	Extracellular Turrets in Domain II and Domain IV as Critical Determinants of Ion Selectivity in LCav3, the T-type Calcium Channel from Lymnaea stagnalis	Robert Stephens[1], Wendy Guan[1], Omar Mourad[1], David Spafford[1]	[1]University of Waterloo
Wednesday, June 1, 2016	3-B-29	Modulation of a non-selective cation channel by PIP2 and its metabolites controls excitability in Aplysia bag cell neurons	Raymond Sturgeon[1], Neil Magoski[1]	[1]Queen's University
Wednesday, June 1, 2016	3-B-30	The Application of FTIR Spectroscopy to Image Metabolic Alterations Associated with the Glial Response Following Brain Ischemia	Nicole Sylvain[1], Mark Hackett[2], Huishu Hou[1], Sayed Uzair Admed[1], Sharleen Weese Maley[1], Michael Kelly[1]	[1]University of Saskatchewan, [2]Curtin University
Wednesday, June 1, 2016	3-B-31	Two-photon imaging of GABAA receptor-mediated antidromic discharge in primary somatosensory neurons	Petri Takkala[1], Steven Prescott[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-B-32	Mechanisms of cocaine-induced increases in mu opioid receptor expression in PC12 cells	Karson Theriault[1], Bettina Kalisch[1], Francesco Leri[1]	[1]University of Guelph
Wednesday, June 1, 2016	3-B-33	Serotonin and mechanisms of cortical gain control: A novel synergy between 5-HT1A and 5-HT2A receptors in layer 6 pyramidal neurons of prefrontal cortex	Michael Tian[1], Evelyn Lambe[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-B-34	Investigating the transcriptomic basis of brain-wide electrophysiological diversity	Shreejoy Tripathy[1], Brenna Li[1], Dmitrii Tebaykin[1], Lilah Toker[1], Ogan Mancarci[1], Paul Pavlidis[1]	[1]University of British Columbia
Wednesday, June 1, 2016	3-B-35	The effect of selective 5-HT2A receptor agonists on the BDNF, GDNF and CDNF genes expression in the mouse brain	Anton Tsybko[1], Tatyana Ilchibaeva[1], Elena Filimonova[2], Vladimir Naumenko[1]	[1]The Institute of Cytology and Genetics SB RAS, [2]Novosibirsk State University
Wednesday, June 1, 2016	3-B-36	NMDAR co-agonist D-serine promotes synapse maturation and stabilization of axonal branches in the developing visual system	Marion Van Horn[1], Arielle Strasser[1], Lorendano Pollegioni[2], Ed Ruthazer[1]	[1]Montreal Neurological Institute, [2]University of Insubria
Wednesday, June 1, 2016	3-B-37	Hypoxic glioblastoma cells utilize a specialized protein synthesis machinery to synthesize PB-cadherin during migration and invasion	Joseph Varga[1], Nicole Kelly[1], Erin Specker[1], Christina Romeo[1], Jim Uniacke[1]	[1]University of Guelph
Wednesday, June 1, 2016	3-B-38	Learning Regulates the mRNA Demethylase FTO and mRNA Methylation	Brandon Walters[1], Valentina Mercaldo[1], Colleen Gillion[1], Matthew Yip[1], Paul Frankland[1], Sheena Josselyn[1]	[1]Hospital for Sick Children
Wednesday, June 1, 2016	3-B-39	GABAA receptors are novel targets for ketamine	Dian-Shi Wang[1], Antonello Penna[1], Beverley Orser[2]	[1]University of Toronto, [2]University of Toronto; Department of Anesthesia, Sunnybrook Health Sciences Centre
Wednesday, June 1, 2016	3-B-40	Intersectin1 is required for developmental enhancement of Ca2+-dependent replenishment of the readily-releasable synaptic vesicles	Yi-Mei Yang[1], Ameet S. Sengar[1], Jamila Aitoubah[1], Sean E. Egan[1], Michael W. Salter[1], Lu-Yang Wang[1]	[1]The Hospital for Sick Children
Wednesday, June 1, 2016	3-B-41	TLR4-mediated increase of microglial glycolysis inhibits expression of LTP through IL-1β	Elisa York[1], Jingfei Zhang[1], Hyun Choi[1], Rebecca Ko[1], Brian MacVicar[1]	[1]University of British Columbia
Wednesday, June 1, 2016	3-B-42	BK Channels in Synaptic Plasticity Underlying Sensory Filtering Associated with Learning and Memory	Tariq Zaman[1], Mahabba Smoka[2], Susanne Schmid[1]	[1]University of Western Ontario, [2]University of Alberta
Wednesday, June 1, 2016	3-B-43	Mu opioid receptor function in the anterior cingulate cortex	Maria Zamfir[1], Philippe Séguéla[2]	[1]McGill University, [2]Montreal Neurological Institute (MNI)
Wednesday, June 1, 2016	3-B-44	The Role of the Tubulin-Cytoskeleton in the Modulation of the Connexin 36 Nexus	Cherie Brown[1], Ryan Siu[1], Christiane Zoidl[1], David Spray[2], Georg Zoidl[1]	[1]York University, [2]Albert Einstein College of Medicine
Wednesday, June 1, 2016	3-B-45	Dissecting the Role of Connexin 36 and Calmodulin in the Plasticity of Electrical Synapses	Ryan Siu[1], Ekaterina Smirnova[1], Cherie Brown[1], Logan Donaldson[1], Georg Zoidl[1]	[1]York University

Wednesday, June 1, 2016	3-B-46	Stable changes in H2A.Z incorporation and acetylation during memory formation and maintenance	Klotilda Narkaj[1], Amber Azam[1], Alexandria Angco[1], Karina Servado[2], Iva Zovkic[2]	[1]University of Toronto Mississauga, [2]University of Toronto Mississa
Wednesday, June 1, 2016	3-C-47	The Ontario Neurodegenerative Disease Research Initiative (ONDRI) Study: Using eye movements to identify cognitive and motor impairments in neurodegeneration	Brian Coe[1], Donald Brien[1], Sandra Black, Michael Borrie, Leanne Casaubon, Tiffany Chow, Dar Dowlatshahi, Liz Finger, Corinne Fischer, Andrew Frank, Morris Freedman, Angeles Garcia, David Grimes, Mandar Jog, Sanjeev Kumar, Tony Lang, Jennifer Mandzia, Connie Marras, Mario Masellis, Stephen Pasternak, Bruce Pollock, David Tang-Wai, John Turnbull, Carmela Tartaglia, Jim Sahlas, Gustavo Saposnik, Christen Shoesmith, Tom Steeves, Rick Swartz, Lorne Zinman, the ONDRI Investigators[2], Doug Munoz[1]	[1]Queen's University, [2]ONDRI
Wednesday, June 1, 2016	3-C-48	The role of the 'cholesteryl ester transfer protein' in Alzheimer's disease pathology	Felix Oestereich[1], Elizabeth-Ann Kranjec[2], Hanyi Yu[1], Pierre Chaurand[2], Lisa-Marie Münter[1]	[1]McGill University , [2]Université de Montréal
Wednesday, June 1, 2016	3-C-49	Improved Phenotype in Adult Sandhoff Disease Mice Following Intravenous Administration of Self-complementary Adeno-associated Viral Vector Expressing a Novel Hexosaminidase Enzyme	Karlaina Osmon[1], Evan Woodley[1], Patrick Thompson[1], Subha Karumuthil-Melethil[2], Steven Gray [3], Jagdeep Walia[1]	[1]Queen's University , [2]University of North Carolina, [3]University of North Carolina
Wednesday, June 1, 2016	3-C-50	Redox switch in Neuronal Autophagy and apoptosis: Implication of Thioredoxin system	Nagakannan Pandian[1], Mohamed Ariff Iqbal[1], James Thliveris[1], Mojgan Rastegar[1], Saeid Ghavami[1], Eftekhar Eftekharpour[1]	[1]University of Manitoba
Wednesday, June 1, 2016	3-C-51	Myeloid cell-derived IL-1beta triggers CNS endothelial cell activation and autoimmunity.	Alexandre Paré[1], Sébastien Lévesque[1], Benoit Mailhot[1], Marc-André Lécuyer[2], Hania Kébir[2], Alexandre Prat[2], Steve Lacroix[1]	[1]Université Laval, [2]Université de Montréal
Wednesday, June 1, 2016	3-C-52	Dysfunctional decision-making processes in Parkinson's patients playing a strategic game	Ashley Parr[1], Brian Coe[1], Giovanna Pari[1], Douglas Munoz[1]	[1]Queen's University
Wednesday, June 1, 2016	3-C-53	RHBDL4-mediated cleavage of the amyloid precursor protein reduces Amyloid-beta generation	Sandra Paschkowsky[1], Mehdi Hamzé[1], Felix Oestereich[1], Bernadeta Michalski[2], Margaret Fahnestock[2], Lisa Marie Munter[1]	[1]McGill University, [2]McMaster University
Wednesday, June 1, 2016	3-C-54	Supervised learning improves the ability of MEG to detect Alzheimer's disease	Steve Patterson[1], Alexander Rudiuk[2], Tim Bardouille[1]	[1]IWK Health Centre, [2]Dalhousie University
Wednesday, June 1, 2016	3-C-55	Histopathological studies of the Effects of Combined Administration of Duovir-N and Vitamin E on the Cerebellum of Wistar rats.	Aniekan Peter [1], Moses Ekong [1], Onyemaechi AZU[1], Jegede Ayoola [2], Ugochukwu Offor[1]	[1]University of Uyo, [2]University of Kwazulu Natal
Wednesday, June 1, 2016	3-C-56	Neuroprotective and anti-inflammatory roles of estrogenic receptors in the myenteric plexus of a mouse model of Parkinson's disease	Andrée-Anne Poirier[1], Mélissa Côté[1], Mélanie Bourque[1], Marc Morissette[2], Thérèse Di Paolo[1], Denis Soulet[1]	[1]Laval University, [2]CHUQ Research Center (CHUL)

Wednesday, June 1, 2016	3-C-57	Investigating the Role of CDNF, MANF, and BDNF as Biomarkers and Therapeutic Targets for Parkinson's Disease.	Shreya Prashar[1], Hetshree Joshi[1], Sharnpreet Kooner[1], Ram Mishra[1]	[1]McMaster University
Wednesday, June 1, 2016	3-C-58	Exogenous Dopamine Application and Synaptic Plasticity in the Normal Globus Pallidus	Ian Prescott[1], Robert Marino[1], Ron Levy[1]	[1]Queen's University
Wednesday, June 1, 2016	3-C-59	Characterization of the effects of FDA-approved drugs on human cells: A potential treatment for C9ORF72 ALS cases.	Amélie Quoibion[1], Martine Therrien[2], Simon Girard[3], J. Alex Parker[2], Patrick Dion[1], Guy Rouleau[1]	[1]McGill University (Montreal Neurological Institute), [2]Université de Montréal (CRCHUM), [3]McGill University
Wednesday, June 1, 2016	3-C-60	Role of altered palmitoylation in mis-trafficking of NMDA receptors in Huntington disease mouse model	Rujun Kang[1], Liang Wang[1], Shaun Sanders[1], Matthew Parsons[2], Kurt Zuo[1], Michael Hayden[1], Lynn Raymond[1]	[1]Univ of BC, [2]Memorial University of Newfoundland
Wednesday, June 1, 2016	3-C-61	Assessing outcomes of an Endothelin-1 induced stroke injury in an APP transgenic rat	Aaron Regis[1], Vladimir Hachinski[1], Shawn Whitehead[1]	[1]Western University
Wednesday, June 1, 2016	3-C-62	The 3xTG-AD and 5XFAD mouse models of Alzheimer's disease show differences in signal detection and response bias on an automated odour discrimination task	Kyle Roddick[1], Heather Schellinck[1], Richard Brown[1]	[1]Dalhousie University
Wednesday, June 1, 2016	3-C-63	TAU Modulates BDNF Expression and Mediates Aß-Induced BDNF Down-Regulation in Animal and Cellular Models of Alzheimer's Disease	Elyse Rosa[1], Sujeivan Mahendram[1], Stephen Ginsberg[2], Yazi Ke[3], Lars Ittner[3], Margaret Fahnestock[1]	[1]McMaster University, [2]New York University School of Medicine, [3]The University of New South Wales
Wednesday, June 1, 2016	3-C-64	Dopamine D3 receptor activity and its downstream signaling targets are altered within the basolateral amygdala following chronic opiate exposure	Laura Rosen[1], Walter Rushlow[1], Steven Laviolette[1]	[1]The University of Western Ontario
Wednesday, June 1, 2016	3-C-65	Cerebral aquaporins (AQPs) and their co-localised potassium channel as potential drug targets and/or biomarkers in Temporal Lobe Epilepsy (TLE)	Mootaz Salman[1], Mariam Sheilabi[1], D. Bhattacharyya[2], Alessandra Princivalle[1], Matthew Conner[1]	[1]Sheffield Hallam University, [2]Royal Hallamshire Hospital
Wednesday, June 1, 2016	3-C-66	Personalized botulinum toxin type A therapy of bilateral upper limb essential tremor by multi-sensor kinematic technology	Olivia Samotus[1], Hadi Moradi[1], Mandar Jog[1]	[1]London Health Sciences Centre
Wednesday, June 1, 2016	3-C-67	Prohibition of Neogenin interaction with lipid rafts promotes functional recovery after ischemic stroke	Alireza Shabanzadeh Pirsaraei[1], Paulo Koeberle[2], Philippe Monnier[1]	[1]University of Toronto/Toronto Western Research institute, [2]University of Toronto
Wednesday, June 1, 2016	3-C-68	Different Forms of Disinhibition Have Distinct Effects on Dorsal Horn Circuits	Husain Shakil[1], Kwan Yeop Lee[2], Steven Prescott[2]	[1]University of Toronto, [2]The Hospital for Sick Children
Wednesday, June 1, 2016	3-C-69	The role of PAR2 activation in the pathophysiology of synucleinopathies with emphasis on Multiple System Atrophy (MSA)	Seyedeh Zahra Shams Shoaei[1], Lili-Naz Hazrati[2], JoAnne McLaurin[1]	[1]Sunnybrook Research Institute (SRI), [2]The Hospital for sick children(Sickkids)
Wednesday, June 1, 2016	3-C-70	LPS-Induced Blood-Brain Barrier Disruption: Assessing Lithium's Molecular and Therapeutic Effects	Roohie Sharma[1], Aaron Edward[1], Ritesh Daya[1], Jay Patel[1], Benicio Frey[1], Ram Mishra[1]	[1]McMaster University
Wednesday, June 1, 2016	3-C-71	Traumatic brain injury induces progressive and degenerative changes resembling motor neuron disease that are exacerbated by pathological TDP-43	Sandy Shultz[1], David Wright[1], Xin Tan[1], Terence O'Brien[1]	[1]The University of Melbourne
Wednesday, June 1, 2016	3-C-72	Effect of Normal and Parkinson's Disease-Mutant Alpha-Synuclein on Synaptic Vesicle Recycling in Human CNS Presynaptic Terminals	Christine Snidal[1], Robert Chen[1], Arup Nath[1], Qi Li[1], Taufik Valiente[2], Elise Stanley[1]	[1]Krembil Research Institute, [2]University of Toronto
Wednesday, June 1, 2016	3-C-73	The effects of microglia-mediated inflammation on neuronal development in vivo	Cynthia Solek[1], Nasr Farooqi[1], Edward Ruthazer[1]	[1]Monteal Neurological Institute, McGill University
Wednesday, June 1, 2016	3-C-74	The role of thalamo-motor fibre damage in overt motor responses in disorders of consciousness.	Clara Stafford[1], Adrian Owen[1], Davinia Fernandez-Espejo[2]	[1]University of Western Ontario, [2]University of Birmingham

Wednesday, June 1, 2016	3-C-75	History of Traumatic Brain Injury Moderates Relationships Between Polygenetic Risk and Neural Substrates of ADHD Symptoms	Sonja Stojanovski[1], Daniel Felsky[2], Aristotle Voineskos[2], Russell Schachar[1], Anne Wheeler[1]	[1]Hospital for Sick Children, [2]Centre for Addiction and Mental Health
Wednesday, June 1, 2016	3-C-76	Differential Effects of Hippocampal Kindling in Young and Aging Mice	Kurt Stover[1], Chiping Wu[2], Paul Stafford[1], Donald Weaver[1], James Eubanks[1], Liang Zhang[1]	[1]Krembil Research Institute, University Health Network, [2]University of Toronto
Wednesday, June 1, 2016	3-C-77	Characterization of Anatomical Brain Recovery after Treatment with Metformin in Hypoxia-Ischemia Mouse Model of Childhood Brain Injury Using Micro-MRI	Kamila Szulc[1], Parvati Dadwal[2], Neemat Mahmud[2], Rebecca Ruddy[2], Christine Laliberté[1], Jacob Ellegood[1], Brian Nieman[1], Cindi Morshead[2], Donald Mabbott[1]	[1]The Hospital for Sick Children, [2]University of Toronto
Wednesday, June 1, 2016	3-C-78	Entorhinal tau pathology decouples hippocampal and prefrontal oscillations without impairing associative memory	Stephanie Tanninen[1], Bardia Nouriziabari[1], Mark Morrissey[1], Ronald Klein[2], Kaori Takehara-Nishiuchi[1]	[1]University of Toronto, [2]Lousiana State University Health Sciences Center
Wednesday, June 1, 2016	3-C-79	Childhood maltreatment is associated with a global impairment of oligodendrocyte function in the anterior cingulate cortex of depressed suicides	Arnaud Tanti[1], Pierre-Eric Lutz[1], Alicja Gasecka[2], John Kim[1], Marina Wakid[1], Meghan Shaw[1], Marc-Aurele Chay[1], Sarah Barnett-Burns[1], Volodymyr Yerko[1], Gary Chen[1], Maria Antonietta Davoli[1], Daniel Zhou[1], Kathryn Vaillancourt[1], Jean-François Théroux[1], Alexandre Bramoullé[1], Carl Ernst[1], Daniel Côté[3], Gustavo Turecki[1], Naguib Mechawar[1]	[1]McGill Group for Suicide Studies, [2]Centre de Recherche de l'Institut en Sante Mentale de Quebec, [3]Institut universitaire en santé mentale de Québec
Wednesday, June 1, 2016	3-C-80	Investigating Perivascular Changes and the Blood Brain Barrier in Fetal Alcohol Spectrum Disorder	Uilki Tufa[1], Suzie Dufour[2], Meera Ramani[2], Iliya Weisspapir[2], Berj Bardakjian[1], Peter Carlen[2]	[1]University of Toronto, [2]Toronto Western Hospital
Wednesday, June 1, 2016	3-C-81	OTUD7A is a novel candidate driver gene of neurodevelopmental abnormalities in the 15q13.3 microdeletion syndrome	Brianna Unda[1], Mohammed Uddin[2], Sean White[1], Nicholas Holzapfel[1], Vickie Kwan[1], Nadeem Murtaza[1], Annika Forsingdal[3], Jacob Nielsen[3], Kristin Hope[1], Stephen Scherer[2], Karun Singh[1]	[1]McMaster University, [2]The Hospital for Sick Children, [3]H. Lundbeck A/S
Wednesday, June 1, 2016	3-C-82	The Biochemical and Behavioural Effects of Tyrosine Hydroxylase Overexpression in Transgenic Mice	Laura Vecchio[1], M. Kristel Bermejo[1], Gary Miller[2], Amy Ramsey[1], Ali Salahpour[1]	[1]University of Toronto, [2]Emory University
Wednesday, June 1, 2016	3-C-83	Extensive white matter pathology in aged wildtype and APP transgenic rats used to model post-stroke dementia	Nina Weishaupt[1], Shawn Whitehead[1], David Cechetto[1], Vladimir Hachinski[1]	[1]University of Western Ontario
Wednesday, June 1, 2016	3-C-84	Amyloid-β induced insulin resistance leads to diabetes and aggravated neurodegeneration in transgenic mice	Nadeeja Wijesekara[1], Rosemary Ahrens[1], Ling Wu[1], Kathy Ha[1], Miheer Sabale[2], Giuseppe Verdil[1], Paul Fraser[1]	[1]UNIVERSITY OF TORONTO, [2]CURTIN UNIVERSITY OF TECHNOLOGY
Wednesday, June 1, 2016	3-C-85	Reopening the critical period for recovery by augmenting spinal plasticity after cortical stroke	Anna Wiersma[1], Karim Fouad[1], Ian Winship[1]	[1]University of Alberta
Wednesday, June 1, 2016	3-C-86	Changes in behaviour and resting state functional connectivity in a primate model of Alzheimer's Disease	Robert Wither[1], Susan Boehnke[1], Ann Lablans[1], Brian Coe[1], Joe Nashed[1], DJ Cook[1], Fernanda De Felice[2], Douglas Munoz[1]	[1]Queen's University, [2]Federal University of Rio de Janeiro

Wednesday, June 1, 2016	3-C-87	Long-term amelioration of seizure-induced hypoxia: Effect on epileptogenesis and behavioural disturbances	Marshal Wolff[1], Simon Spanswick[1], Malek Amr[1], Jordan Farrell[1], Gordan Teskey[1]	[1]University of Calgary
Wednesday, June 1, 2016	3-C-88	Indications of impaired cerebrovascular buffering of rapid blood pressure changes following one season of participation in contact sports	Alexander Wright[1], Jonathan Smirl[2], Michael Kennefick[2], Colin Wallace[2], Kelsey Bryk[2], Paul van Donkelaar[2]	[1]University of British Columbia, [2]University of British Columbia Okanagan
Wednesday, June 1, 2016	3-C-89	MRI-guided focused ultrasound-mediated delivery of shRNA targeting α-synuclein in a mouse model of Parkinson's disease	Kristiana Xhima[1], Fadl Nabbouh[2], Kelly Markham-Coultes[1], Paul Nagy[1], Alison Burgess[1], Kullervo Hynynen[1], Isabelle Aubert[3], Anurag Tandon[2]	[1]Sunnybrook Research Institute, [2]Tanz Centre for Research in Neurodegenerative Diseases, [3]University of Toronto
Wednesday, June 1, 2016	3-C-90	Electrophysiological investigation in neurons derived from human induced pluripotent stem cells with disruptions of SHANK2	Wenbo Zhang[1], Kirill Zaslavsky[1], P Joel Ross[1], Asli Dedeagac[1], Alina Piekna[1], Graham Pitcher[1], Stephen Scherer[1], James Ellis[1], Michael Salter[1]	[1]The Hospital for Sick Children
Wednesday, June 1, 2016	3-C-91	Investigating the effects of Amyloid-beta GxxxG-motif-targeting agents on Abeta42-induced toxicity in a D. melanogaster model	Yifei Zhong[1], Filip Liebsch[1], Gerhard Multhaup[1]	[1]McGill University
Wednesday, June 1, 2016	3-D-100	Audiovisual Temporal Processing in Rats as Assessed by Novel Operant Conditioning Tasks	Kaela Scott[1], Ashley Shormans[1], Anna Tyker[1], Albert Vo[1], Dan Stolzberg[1], Brian Allman[1]	[1]University of Western Ontario
Wednesday, June 1, 2016	3-D-101	A pixel-computable stabilized supralinear network model of V1	Ben Selby[1], Bryan Tripp[1]	[1]University of Waterloo
Wednesday, June 1, 2016	3-D-102	Challenging the Labeled Line Theory: Itch and Pain can be Coded by a Single Afferent Population	Behrang Sharif[1], Ariel Ase[1], Alfredo Ribeiro da Silva[1], Philippe Séguéla[1]	[1]McGill University
Wednesday, June 1, 2016	3-D-103	Von Economo neurons in Indian green Ring neck Parrot (Psittacula krameri): possible role in vocal learning	Shubha Srivastava[1], Sudhi Shrivastava [2]	[1]K N P G College Gyanpur S R N Bhadohi, [2]Barkatullah University Bhopal M P
Wednesday, June 1, 2016	3-D-104	Deactivation of PMd and A5 in non-human primates impairs corrective responses to mechanical disturbances of the limb	Tomohiko Takei[1], Stephen Lomber[2], Douglas Cook[1], Stephen Scott[1]	[1]Queen's University, [2]Western University
Wednesday, June 1, 2016	3-D-105	Sciatic Nerve Exposure to Non-Compressive Nucleus Puplosus Elicits an Acute Inflammatory Neuritis Mediated by Neurotrophin Expression	YuShan Tu[1], Mohammed Shamji[2], Michael Salter[1]	[1]Hospital for Sick Children, [2]Toronto Western Hospital
Wednesday, June 1, 2016	3-D-106	Peripheral Hypersensitivity to Subthreshold Stimuli Persists after Resolution of Acute Experimental Disc-Herniation Neuropathy	Mohammed Shamji[1], YuShan Tu[2], Michael Salter[2]	[1]Toronto Western Hospital, [2]Hospital for Sick Children
Wednesday, June 1, 2016	3-D-107	Goal-dependent modulation of the long-latency stretch response accounts for orientation of the arm	Jeff Weiler[1], Paul Gribble[1], Andrew Pruszynski[1]	[1]University of Western Ontario
Wednesday, June 1, 2016	3-D-108	Pannexin Channel Expression and Function in the Olfactory System of a Knock Out Panx1 Mouse Model	Paige Whyte - Fagundes[1], Stefan Kurtenbach[1], Georg Zoidl[1]	[1]York University
Wednesday, June 1, 2016	3-D-109	DTI reveals asymmetry in the optic radiations following early monocular enucleation	Nikita Wong[1], Sara Rafique[1], Krista Kelly[2], Stefania Moro[1], Jennifer Steeves[1]	[1]York University, [2]Retina Foundation of the Southwest
Wednesday, June 1, 2016	3-D-110	HD-tDCS over the mIPS affects movement planning	Sisi Xu[1], Jason Gallivan[1], Gunnar Blohm[1]	[1]Queen's University
Wednesday, June 1, 2016	3-D-111	Two-stage bimanual coordination learning	Maral Yeganeh Doost[1], Jean Jacques Orban de Xivry[2], Yves Vandermeeren [1]	[1]UcL (Université Catholique de Louvain), [2]KULeuven (Katholieke Universiteit Leuven)
Wednesday, June 1, 2016	3-D-112	Cortical movement representations during unimanual and bimanual wrist movements in humans	Atsushi Yokoi[1], Diogo Duarte[2], Jörn Diedrichsen[1]	[1]The University of Western Ontario, [2]University of Lisbon
Wednesday, June 1, 2016	3-D-113	V3 Spinal Interneurons Are Crucial In Regulating Weight-Loading Movement	Han Zhang[1], Dylan Gauthier[1], Ying Zhang[1]	[1]Dalhousie University

Wednesday, June 1, 2016	3-D-92	rTMS to the OFA shows increased correlation to right and left FFA	Francisco Parreira[1], Sara Rafique[1], Lily Solomon-Harris[1], Jennifer Steeves[1]	[1]York University
Wednesday, June 1, 2016	3-D-93	Altered structural connectivity associated with visual hallucinations following occipital stroke	Sara Rafique[1], John Richards[2], Francisco Parreira[1], Jennifer Steeves[1]	[1]York University, [2]University of California, Davis, Medical Center
Wednesday, June 1, 2016	3-D-94	Cannabinoid type 2 receptors modulate visual information in the primary visual cortex.	William Redmond[1], Umit Keysan[1], Destiny Lu-Cleary[2], Bruno Cécyre[1], Sébastien Thomas[1], Jean-François Bouchard[1], Christian Casanova[1]	[1]Université de Montréal, [2]University British Columbia
Wednesday, June 1, 2016	3-D-95	Genetic identification of pain circuits using developmentally regulated Cre expression	Robert Roome[1], Artur Kania[1]	[1]Institut de Recherches Cliniques de Montréal
Wednesday, June 1, 2016	3-D-96	Central Pattern Generator modelling for swimming activity in Zebrafish larva spinal cord	Yann Roussel[1], Tuan Bui[1]	[1]University of Ottawa
Wednesday, June 1, 2016	3-D-97	Time Course Of Change In Reaches And Proprioception: After Reaching With A Misaligned Cursor	Jennifer Ruttle[1], Erin Cressman[1], Denise Henriques[1]	[1]York University
Wednesday, June 1, 2016	3-D-98	Spatial codes in the superior colliculus delay activity during memory-guided gaze task	Amirsaman Sajad[1], Morteza Sadeh[1], Xiaogang Yan[1], Hongying Wang[1], Douglas Crawford[1]	[1]York University
Wednesday, June 1, 2016	3-D-99	Altered Laminar Processing in Multisensory and Auditory Cortical Areas Following Adult-Onset Noise-Induced Hearing Loss	Ashley Schormans[1], Marei Typlt[1], Brian Allman[1]	[1]Western University
Wednesday, June 1, 2016	3-E-114	The GABAergic neurosteroid 3α-androstanediol protects SH-SY5Y human neuroblastoma cells against prolonged ERK phosphorylation induced by hydrogen peroxide and amyloid β peptide	Ari Mendell[1], Neil MacLusky[1]	[1]University of Guelph
Wednesday, June 1, 2016	3-E-115	The role of Growth Hormone as a neurotransmitter involved in depression: A human model	Shubham Sharma[1], Michael Cusimano[1], Rowan Jing[2], Khalid Fahoum[1], Mubarak Algahtany[3], Stanley Zhang[2]	[1]University of Toronto/ St. Michael's Hospital, [2]St. Michael's Hospital, [3]College of Medicine, King Khalid University
Wednesday, June 1, 2016	3-E-116	The effects of neuropeptide Y on dissociated subfornical organ neurons.	Lauren Shute[1], Samantha Lee[1], Mark Fry[1]	[1]University of Manitoba
Wednesday, June 1, 2016	3-E-117	Stress as a contagion: Synaptic imprinting following social interactions in rodents	Toni-Lee Sterley[1], Dinara Baimoukhametova[1], Jaideep Bains[1]	[1]University of Calgary
Wednesday, June 1, 2016	3-E-118	The Tubby protein regulates expression of genes involved in metabolism and neuronal functions	Hamza Taufique[1], Sabine Cordes[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-E-119	Maternal Circuits that Respond to Mouse Pup Vocalizations: D2 Dopamine and Oxytocin Receptors	John Yeomans[1], Brian Pereira[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-F-120	Induction of 50 kHz vocalizations by dopamine and apomorphine from nucleus accumbens and lateral septum	Michael Silkstone[1], Kevin Mulvihill[1], Christina Jobson[1], Stefan Brudzynski[1]	[1]Brock University
Wednesday, June 1, 2016	3-F-121	5-HT1A receptor and its transcription factors Freud-1 and Freud-2 in the brain of rats with genetically determined fear-induced aggression or its absence	Vladimir Naumenko[1], Tatyana Ilchibaeva[1], Anton Tsybko[1], Rimma Kozhemyakina[1], Elena Kondaurova[1]	[1]Federal Research Center Institute of Cytology and Genetics
Wednesday, June 1, 2016	3-F-122	The effect of d-govadine on the rewarding properties of d-amphetamine	Maya Nesbit[1], Carine Dias[1], Jonathan Cunningham[1], Anthony Phillips[1]	[1]University of British Columbia
Wednesday, June 1, 2016	3-F-123	Evaluating the role of GABA interneurons in the medial prefrontal cortex during working memory in mice	Robin Nguyen[1], Junchul Kim[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-F-124	Opposite effects of nucleus accumbens shell D1 and D2 receptor antagonism in approach-avoidance conflict resolution	David Nguyen[1], Victoria Fugariu[1], Rutsuko Ito[1]	[1]University of Toronto

Wednesday, June 1, 2016	3-F-125	Correlation between cognitive decline and blood pressure in elderly patients with controlled hypertension	Adrián Noriega de la Colina[1], Rong Wu[1], Laurence Desjardins-Crépeau[2], Maxime Lamarre-Cliche[1], Pierre Larochelle[1], Louis Bherer[3], Hélène Girouard[1]	[1]Université de Montréal, [2]Université de Québec à Montréal (UQAM), [3]Concordia University
Wednesday, June 1, 2016	3-F-126	fMRI reveals the evolution of representational content during a delayed match-to-sample task	Edward O'Neil[1], Andy C.H. Lee[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-F-127	Resting-state MEG oscillations predict working memory scores on neuropsychological tests	Victor Oswald[1], Younes Zerouali[1], Aubrée Boulait-Craig[1], Maja Krajinovic [1], Caroline Laverdière[1], Daniel Sinnett[1], Pierre Jolicoeur [1], Sarah Lippé [1], Karim Jerbi [1], Philippe Robaey[1]	[1]University of Montreal
Wednesday, June 1, 2016	3-F-128	Genetic predictors of neurocognitive outcome in children treated for medulloblastoma	Adeoye Oyefiade[1], Nadia Scantlebury[1], Nicole Law[1], Anna Goldenberg[1], Donald Mabbott[1]	[1]The Hospital for Sick Children
Wednesday, June 1, 2016	3-F-129	Role of the ventral hippocampal projections to the lateral septum in fear and anxiety	Gustavo Parfitt[1], June JY Bang[1], Junchul Kim[1]	[1]UofT
Wednesday, June 1, 2016	3-F-130	The lateral entorhinal cortex encodes combinations of physical and relational features of stimuli in environmental context	Maryna Pilkiw[1], Nathan Insel[1], Yonghua Cui[2], Caitlin Finney[1], Simone Cheng[1], Mark Morrissey[1], Kaori Takehara-Nishiuchi[1]	[1]University of Toronto, [2]Medical College of Soochow University
Wednesday, June 1, 2016	3-F-131	Basal forebrain cholinergic lesions attenuate the reinstatement of cocaine-seeking produced by a discriminative stimulus in goal-trackers but not sign-trackers	Kyle Pitchers[1], Jonte Jones[1], Terry Robinson[1], Martin Sarter[1]	[1]University of Michigan
Wednesday, June 1, 2016	3-F-132	Optical Imaging of Forgetting in the Mouse Hippocampus	Adam Ramsaran[1], Jessica Jimenez[2], Sheena Josselyn[1], Mazen Kheirbek[2], Paul Frankland[1]	[1]Hospital for Sick Children, [2]Columbia University
Wednesday, June 1, 2016	3-F-133	Linking of fear memories by temporally limited changes in both excitatory and inhibitory neuron activity in the lateral amygdala	Asim Rashid[1], Chen Yan[1], Valentina Mercaldo[1], Hwa-Lin (Liz) Hsiang[1], Antonietta DeCristofaro[1], Sungmo Park[1], Paul Frankland[1], Sheena Josselyn[1]	[1]The Hospital For Sick Children
Wednesday, June 1, 2016	3-F-134	Pathway-specific recording of thalamic input to nucleus accumbens during reward seeking task	Sean Reed[1], Christopher Lafferty[1], Thomas Davidson[2], Logan Grosenick[2], Karl Deisseroth[2], Jonathan Britt[1]	[1]McGill University, [2]Stanford University
Wednesday, June 1, 2016	3-F-135	Neurocognitive alterations in adult rats following neonatal treatment with domoic acid	Mark Robbins[1], Catherine Ryan[1], Tracy Doucette[1]	[1]University of Prince Edward Island
Wednesday, June 1, 2016	3-F-136	Metformin promotes cognitive recovery in two mouse models of juvenile brain injury	Rebecca Ruddy[1], Daniel Derkach[1], Parvati Dadwal[1], Wenjun Xu[1], Cindi Morshead[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-F-137	Insights into how the Hippocampus Governs the Drive to Explore	Jean-Philippe Dufour[1], Alejandro Tsai Cabal[2], Sabine Egli[3], Christopher Barnes[3], Horea-Ioan Ioanas[3], Mahboubeh Ahmadi[4], Adrienne Müller Herde[3], Silvan Boss[3], Stefanie Krämer[3], Simon Ametamey[3], Markus Rudin[3], Javad Mirnajafi-Zadeh[4], Christopher Pryce[5], Erich Seifritz[5], Bechara Saab[5]	[1]University of Zürich, [2]Friedrich Miescher Institute, [3]Swiss Federal Institute of Technology, [4]Tarbiat Modares University, [5]University of Zurich Hospital for Psychiatry

Wednesday, June 1, 2016	3-F-138	Involvement of CB1 receptor on fear memory processing and on long-term potentiation in the hippocampus and infralimbic cortex.	Fabiana Santana[1], Rodrigo Ordonez[1], Ana Paula Crestani[1], Krislei Scienza[1], Josué Haubrich[1], Ricardo Sachser[1], Flavia Santos[1], Fernanda Lotz[1], Lucas Alvares[1], Jorge Quillfeldt[1]	[1]UFRGS/ Brazil
Wednesday, June 1, 2016	3-F-139	N400 evidence for embodied processing of concrete words after a picture context	Daniel Schmidtke[1], Elisabet Service[1], Richard Mah[1], John Connolly[1]	[1]McMaster University
Wednesday, June 1, 2016	3-F-140	The neural basis of episodic memory transformation in humans	Melanie Sekeres[1], John Anderson[2], Morris Moscovitch[1], Gordon Winocur[1], Cheryl Grady[1]	[1]Baycrest, [2]York University
Wednesday, June 1, 2016	3-F-141	An anatomical interface for guidance of visual behavior by medial temporal lobe representations	Kelly Shen[1], Gleb Bezgin[1], Rajajee Selvam[1], Anthony McIntosh[1], Jennifer Ryan[1]	[1]Rotman Research Institute
Wednesday, June 1, 2016	3-F-142	GABA Cells in the Central Nucleus of the Amygdala Control Cataplexy	Matthew Snow[1], Jimmy Fraigne[1], Victoria Chuen[1], Richard Horner[1], John Peever[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-F-143	Memory functions of adult neurogenesis are modulated by stress and sex	Jason Snyder[1], Timothy O'Leary[1]	[1]University of British Columbia
Wednesday, June 1, 2016	3-F-144	Hippocampus place cell network properties in a Fmr1 knockout model of Fragile X Syndromic Autism Spectrum Disorder	Fraser Sparks[1], Zoe Talbot[1], Dino Dvorak[1], André Fenton[1]	[1]New York University
Wednesday, June 1, 2016	3-F-145	Programming of adult behaviour and epigenetic gene regulation in rat offspring through prenatal exposure to predator odour	Sophie St-Cyr[1], Sameera Abuaish[1], Patrick McGowan[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-F-146	Feedback inhibition underlies slot-like capacity and resource-like neural coding: a biophysical model of multiple-item working memory	Dominic Standage[1], Martin Pare[1]	[1]Queen's University
Wednesday, June 1, 2016	3-F-147	Remote object memory destabilization involves a pathway linking M1 receptors to proteasome-mediated protein degradation	Mikaela Stiver[1], Natalie Nightingale[1], Julian Rizos[1], William Messer[2], Boyer Winters[1]	[1]University of Guelph, [2]University of Toledo
Wednesday, June 1, 2016	3-F-148	Do multivoxel patterns of activity within the hippocampus carry information about temporal duration contained within event sequences?	Sathesan Thavabalasingam[1], Edward O'Neil[1], Andy Lee[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-F-149	Differential effects of discrete subarea-specific inactivation of the rat medial prefrontal cortex on short and long-term memory	María Torres García[1], Andrea Medina[1], Gina Quirarte[1], Roberto Prado Alcalá[1]	[1]Instituto de Neurobiología, UNAM
Wednesday, June 1, 2016	3-F-150	Neurogenesis' Influence on Learning and Memory: A Computational Approach to Dynamics of Circuit Remodeling	Lina Tran[1], Adam Santoro[1], Sheena Josselyn[2], Paul Frankland[2]	[1]University of Toronto, [2]Hospital for Sick Children
Wednesday, June 1, 2016	3-F-151	Excitability of human dorsal premotor cortex and ipsilateral primary motor cortex interactions prior to grasp	Michael Vesia[1], Michael Vesia[1], Gaayathiri Jegatheeswaran[1], Reina Isayama[1], Ada Le[2], Jody Culham[3], Robert Chen[1]	[1]Toronto Western Research Institute, [2]York University, [3]Western University
Wednesday, June 1, 2016	3-F-152	Interrogation of a Fear Memory Network	Gisella Vetere [1], Frances Xia [1], Justing Kenney [1], Lina Tran[1], Anne Wheeler[1], Sheena Josselyn [1], Paul Frankland [1]	[1]Hospital for Sick Children
Wednesday, June 1, 2016	3-F-153	Dissociable contributions of dopamine D1 and D2 receptors to regulation of rule-guided oculomotor behaviour by dorsolateral prefrontal cortex	Susheel Vijayraghavan[1], Alex Major[1], Stefan Everling[1]	[1]University of Western Ontario
Wednesday, June 1, 2016	3-F-154	Generation of neural trajectories with oscillations in the absence of ongoing external stimulation	Philippe Vincent-Lamarre[1], Jean-Philippe Thivierge[1]	[1]University of Ottawa

Wednesday, June 1, 2016	3-F-155	Levodopa impairs learning in healthy young adults: Implications for levocarb in Parkinson's disease	Andrew Vo[1], Ken Seergobin[1], Penny MacDonald[1]	[1]University of Western Ontario
Wednesday, June 1, 2016	3-F-156	Behavioral effects of CCK-GABA neurons: implications for schizophrenia	Paul Whissell[1], Ikram Khan[1], Junchul Kim[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-F-157	Event-related Brain Potentials and Oscillatory Changes in Response to Semantic and Syntactic Aspects of Sentence Processing	Erin White[1], Anne Keller[1], Taufik Valiante[2], Elizabeth Pang[1]	[1]The Hospital for Sick Children, [2]University Health Network
Wednesday, June 1, 2016	3-F-158	The Theory of Mind network: brain connectivity patterns underlying ToM processing in adults	Simeon Wong[1], Elizabeth Pang[1], Margot Taylor[1]	[1]Hospital for Sick Children
Wednesday, June 1, 2016	3-F-159	Parvalbumin-positive interneurons modulate hippocampal-cortical coupling and fear memory consolidation	Frances Xia[1], Blake Richards[2], Sheena Josselyn[1], Kaori Takehara-Nishiuchi[2], Paul Frankland[1]	[1]Hospital for Sick Children, [2]University of Toronto
Wednesday, June 1, 2016	3-F-160	Effects of cognitive training on motor skills in elderly	Yu Hua Feng[1], Ruth Santos-Galduroz[2], Bagesteiro Leia[2], Raiane Borges[3], Marisete Safons[1]	[1]Universidade de Brasília, [2]UNIVERSIDADE FEDERAL DO ABC, [3]Ministério da Saúde
Wednesday, June 1, 2016	3-G-161	Plasma ADAM10 level as a potential biomarker for traumatic brain injury	Nam Pham[1], Yushan Wang[2], Thomas Sawyer[2], Changiz Taghibiglou[1]	[1]University of Saskatchewan, [2]DRDC, Suffield Research Centre
Wednesday, June 1, 2016	3-G-162	Closed-loop interruption of hippocampal ripples in macaque	Omid Talakoub[1], Andrea Gomez Palacio Schjetnan[1], Milos Popovic[2], Taufik Valiente[2], Kari Hoffman[1]	[1]York university, [2]university of toronto
Wednesday, June 1, 2016	3-G-163	Microfluidic manufacture of RNA-lipid nanoparticles leads to highly efficient delivery of potent nucleic acid therapeutics for controlling gene expression	Grace Tharmarajah[1], Eric Ouellet[1], Oscar Seira[2], Jie Liu[2], Anitha Thomas[1], Timothy Leaver[1], Andre Wild[1], Yuping Li[2], Yu Tian Wang[2], Wolfram Tetzlaff[2], Carl Hansen[2], Pieter Cullis[2], James Taylor[1], Euan Ramsay[1]	[1]Precision NanoSystems Inc., [2]University of British Columbia
Wednesday, June 1, 2016	3-G-164	Development of a two-photon optogenetic tool box for studying cAMP and cGMP in living neurons	Megan Valencia[1], Fiona Bergin[1], Thomas Luyben[1], Kenichi Okamoto[1]	[1]University of Toronto
Wednesday, June 1, 2016	3-G-165	MRI-guided focused ultrasound delivery of AAV6 and AAV1/2 to the brain under control of the neuron-specific synapsin promoter	Danielle Weber-Adrian[1], Joseph Silburt[2], Zeinab Noroozian[2], Kairavi Shah[2], Alison Burgess[1], Sebastian Kügler[3], Kullervo Hynynen[1], Isabelle Aubert[1]	[1]Sunnybrook Research Institute, [2]University of Toronto, [3]University of Göttingen
Wednesday, June 1, 2016	3-G-166	Construction of a head-mount fluorescent miniature microscope	Chen Yan[1], Valentina Mercaldo[1], Alexander Jacob[1], Yasaman Soudagar[1], Paul Frankland[1], Sheena Josselyn[1]	[1]Hospital for Sick Children
Wednesday, June 1, 2016	3-G-167	Multimodal imaging of structural covariance in the mouse brain	Yohan Yee[1], Darren Fernandes[1], Jacob Ellegood[2], Lindsay Cahill[2], Dulcie Vousden[1], Leigh Spencer-Noakes[2], Jan Scholz[2], Brian Nieman[2], John Sled[2], Jason Lerch[2]	[1]University of Toronto, [2]Hospital for Sick Children
Wednesday, June 1, 2016	3-G-168	Direct detection of axonal and somatodendritic release of Arginine Vasopressin by sniffer cells.	Cristian Zaelzer[1], Claire Gizowski[1], Charles Bourque[1]	[1]Research Institute of McGill University Health Centre
Wednesday, June 1, 2016	3-H-169	Neuroscience Findings in Canadian National News: 2000-2015	Zoey Cheng[1]	[1]Institute of Medical Science, University of Toronto
Wednesday, June 1, 2016	3-H-170	The neuroscience classroom 2016: online pedagogical changes to enhance student-focussed learning	Justin Huang[1], Catherine Matolcsy[1], Lily Huang[1], Jeff Stulberg[1], Bill Ju[1]	[1]University of Toronto

Wednesday, June 1, 2016	3-H-171	Advertising & Articulating Neuroscience: Human Brain in Performance on Commercial Ads	Andrea Valent[1]	[1]York University