— McGill University —
Integrated Program in Neuroscience

#IPNRetreat

Retreat

September 18-19, 2014
Crowley Arts Centre
5325 Crowley Ave
Montreal, H4A 2C6

Scientific Program

Thursday, September 18th

8:00	Registration, breakfast and poster setup	Bar and 3rd floor
9:00	**SkillSets Workshop: An open discussion on why we put ourselves through this**	Event Hall
10:00-10:15	**Welcome and Opening Remarks** Dr. Suzanne Fortier, Principal of McGill University	Event Hall
10:15 -11:15	**Keynote Address** Dr. Brenda Milner	Event Hall
11:15-11:30	Coffee Break	
11:30-1PM	**Colman-Sievers Innovation Session** Sonia Jego (2013 IPN Excellence Award winner) *MCH neurons: universal sleep workers* Vedrana Cvetkovska (2013 Sievers Award winner) *Assembly instructions for hard-wired neural circuits* Martin Munz (2014 Sievers Award winner) *How neuronal firing instructs the assembly of the visual circuit*	Event Hall
1:00-1:15PM	Brain@McGill Undergraduate Awards	Event Hall
1:00-3:00PM	Buffet Lunch and Poster Session A	3rd floor
3:00-4:30PM	**Motor neurons from development through disease and aging** Session Chair: Heather Durham Introduction: Heather Durham, Ph.D., Professor Dept. Neurology and Neurosurgery and MNI Adèle Salin-Cantegrel (PDF, Stifani lab) *Generation of respiratory motor neurons*	Event Hall

	Michael Tibshirani (PhD student, Durham lab) *Influence of FUS and TDP-43 on nBAF chromatin remodeling complexes in ALS* Hannah Kaneb (PDF, Rouleau/Dion lab) *Motor neuron disorders associated with mutations in the mRNA nuclear export factor, hGle1.* Sally Spendiff, (PDF, Hepple lab) *Changes in the agrin-MuSK signalling network at the aging neuromuscular junction*	
4:30-4:45PM	Coffee Break	Bar
4:45-5:45PM	Plenary Session **Cracking the problem of genetic heterogeneity in neurological disease: From iPS cells to clinical drug trials** Dr. Kevin Eggan (Professor of Stem Cell and Regenerative Biology, Harvard University)	Event Hall
5:45-7:30PM	Cocktails and Poster Sessions A (5:45-6:30), B (6:30-7:30)	3rd Floor

Friday, September 19th

8:00AM	Registration, breakfast and poster setup	Bar and 3rd floor
9:00AM	**Rapid Round Robin** Networking Session	Event Hall
10:00AM	**Glial-neuronal Interactions** Session chair: David Stellwagen	Event Hall
	Introduction: David Stellwagen, Ph.D., Professor Dept. Neurology and Neurosurgery Sarah Robins (PDF, Kokoeva lab) *Ablation of hypothalamic NG2-glia induces body weight dysregulation* Nasr Farooqi (PhD student, Ruthazer lab) *Inflammation during development dysregulates neural circuit formation in vivo* Scott Cameron (PhD student, Rao lab) *Immunoglobulin superfamily proteins mediate neuron-glia interactions during development* Sarah Konefal (PhD student, Stellwagen lab) *Microglial suppression cocaine-induced behaviour*	
11:30AM	Coffee Break	Bar
11:45AM-1:15PM	***Sponsored by*** Lilly **Cellular and Molecular Determinants of Synaptic Plasticity** Session chair: Ellis Cooper	Event Hall

	Introduction: Ellis Cooper, Ph.D., Professor Dept. Neurology and Neurosurgery Delphine Gobert (PDF, Ruthazer lab) *TORC1-dependent protein synthesis regulates the excitatory-inhibitory balance and dendritic branching in vivo* Erin Nuro (PhD student, Murai lab) *Investigating the role of the mRNA translational regulator Fragile-X related protein-1 (FXR1P) in synaptic plasticity and memory* Yumaine Chong (PhD student, Cooper lab) *How do persistent silent synapses influence the formation of neural circuits?* Natasha Saviuk (MSc student, Haghighi lab) *eIF4E binding proteins (4E-BPs) essentially regulate cerebellar LTD*	
1:15-3:15PM	Buffet Lunch and Poster Session B	3rd floor
3:15PM	Poster take-down	3rd floor
3:30-5:00PM	**NeuroEngineering: Interdisciplinary Tools and Techniques to Investigate, Repair, and Enhance Neural Function** Session chair: Tim Kennedy	Event Hall
	Introduction to the McGill Program in NeuroEngineering: Tim Kennedy, Ph.D., Professor, Dept of Neurology and Neurosurgery Carolin Madwar (PhD student, Lennox lab, Dept. of Chemistry) *Synthetic synapse formation by structured lipid membranes* Chris Corkery (PDF, Kennedy and Barrett labs, Dept. of Chemistry) *Finding the Goldilocks Zone: New Surfaces for Cell Survival and Growth* Monserratt Lopez (PhD student, Grütter lab, Dept. of Physics) *New tricks for Atomic Force Microscopy: Stitching New Neural Circuits* Marion Van Horn, (PDF, Ruthazer lab, Dept of. Neurology and Neurosurgery) *Enzymatic biosensors: New approach for detecting gliotransmitter release in vivo*	
5:00PM	Coffee break *sponsored by* Lilly	Bar
5:15-6:45PM	Non-Academic Career Panel: Women in Bio	Event Hall
6:45PM	Closing Remarks	Event Hall
7:00PM-1:00AM	Dinner (Boustan) and after party	Bar and Event Hall

This event was made possible thanks to the kind support of:

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In Kind:

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