



PRESENTED BY MCGILL UNIVERSITY'S
INTEGRATED PROGRAM IN NEUROSCIENCE

2018 ANNUAL IPN RETREAT

SEPTEMBER 20 & 21, 2018
NEW RESIDENCE HALL, MONTREAL QC

#IPNRETREAT18

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SCIENTIFIC PROGRAM

DAY 1: Thursday September 20 2018

TIME	SESSION / SPEAKER(S)	ROOM
08:00	REGISTRATION & BREAKFAST	Main Hall
08:45	<p>OPENING REMARKS</p> <ul style="list-style-type: none"> • Dr. Joseph Rochford <i>Director, Integrated Program in Neuroscience</i> 	Ballroom
09:00	<p>RESEARCH SESSION: "Sensory Processing and Plasticity"</p> <ul style="list-style-type: none"> • Session Chair: Dr. Stuart Trenholm • Speakers: <ul style="list-style-type: none"> Shahab Kадkhodaecian Bakhtiari (Pack Lab): "Targeted plasticity for visual perceptual learning" Behrang Sharif (Seguela Lab): "Functional plasticity: Pain and itch modalities are dispatched to different spinal circuits by the same primary afferents" Maryse Thomas (Villers-Sidani Lab): "Using passive sound exposure to probe plasticity in the auditory cortex" Vanessa Li (Ruthazer Lab): "Shedding light on topographic map formation with GCaMP-expressing xenopus tadpoles" 	Ballroom
10:35	<p>KEYNOTE ADDRESS: "Behavioural Neuroscience Starts with Behaviour"</p> <ul style="list-style-type: none"> • Dr. Paul J. Fletcher <i>Professor, Depts. of Psychiatry and Psychology, University of Toronto</i> <i>Senior Scientist and Head, Campbell Family Mental Health Research Institute,</i> <i>The Centre for Addiction and Mental Health (CAMH), Toronto</i> 	Ballroom
11:35	<p>MORNING BREAK</p> 	Main Hall
11:50	<p>COLMAN-SIEVERS INNOVATION AWARD(S)</p> <ul style="list-style-type: none"> • Award: "The Ann and Richard Sievers Award in Neuroscience" • Award: "IPN Excellence Award" 	Ballroom

SCIENTIFIC PROGRAM

DAY 1 (Continued)

TIME	SESSION / SPEAKER(S)	ROOM
12:50	BUFFET LUNCH 	POSTER 'A' SESSION Main Hall <i>(Lunch)</i> Room A <i>(Posters 'A')</i>
14:30	BRAIN@MCGILL: AWARDS PRESENTATION • Dr. Edith Hamel, Dr. Anne McKinney	Ballroom
15:15	RESEARCH SESSION: "Environmental Risk Factors Influencing Mental Health" • Session Chair: Dr. Mallar Chakravarty • Speakers: Elisa Guma (Chakravarty Lab): "Mapping of postnatal neurodevelopment in response to early and late prenatal maternal immune activation in mice" Jessie Muir (Bagot Lab): "Sex specific neural signatures of stress-induced behavioral adaptation" Arnaud Tanti (Mechawar Lab): "Long-lasting effects of child abuse on white matter plasticity" Lauren Reynolds (Flores Lab): "Sex, drugs, and DCC: how adolescent experiences shape the adult brain"	Ballroom
16:45	AFTERNOON BREAK 	Main Hall
17:00	PLENARY SESSION: "Pain in Mice and Man: Ironie Adventures in Translation" • Dr. Jeffrey Mogil	Ballroom
18:00	WINE & CHEESE 	Main Hall
18:00	POSTER 'A' SESSION	Room A
19:00	POSTER 'B' SESSION	Room B



SCIENTIFIC PROGRAM

DAY 2: Friday September 21 2018

TIME	SESSION / SPEAKER(S)	ROOM
08:00	REGISTRATION & BREAKFAST	Main Hall
08:30	<p>"HEALTHY BRAINS FOR HEALTHY LIVES / SKILLSETS' WORKSHOP: "Putting the "Go" in Negotiation: Strategies to Drive Your Collaborations Forward"</p> <p>• Dr. Falisha Karpati, Saima Ahmed</p>	Ballroom
10:00	<p>RESEARCH SESSION: "Myelination and Multiple Sclerosis"</p> <p>• Session Chair: Dr. Timothy Kennedy • Speakers: Josefina Maranzano (Narayanan Lab): "MTR Time Courses in Gadolinium-Enhancing Leukocortical Lesions in Early Multiple Sclerosis" Diane Nakamura (Kennedy Lab): "Novel Regulators of Mitochondrial Dynamics and Bioenergetics in CNS Myelin" Elena Lin (Antel Lab): "Trash Talk: Immunometabolism and Myelin Clearance in Multiple Sclerosis" Camille Juzwik (Fournier Lab): "Promoting Neuroprotection in an Animal Model of Multiple Sclerosis"</p>	Ballroom
11:30	<p>MORNING BREAK</p> 	Main Hall
11:45	<p>RESEARCH SESSION: "Neurophysiology of the Memory and Navigation System in Health and Disease"</p> <p>• Session Chair: Dr. Mark Brandon • Speakers: Adrian Duszkievicz (Peyrache Lab): "Uncovering the neural circuitry underlying the brain's internal compass" Robert Rozeske (Brandon Lab): "Egocentric spatial representation in the dorsal striatum of the mouse" Jennifer Robinson (Brandon Lab): "Disentangling the role of the medial septum in grid cell generation" Guillaume Etter (Williams Lab): "Septo-hippocampal control of memory functions in normal and Alzheimer's disease conditions" Amanda Larosa (Wong Lab): "Longitudinal imaging of hippocampal neuronal activity in a model of depression"</p>	Ballroom

SCIENTIFIC PROGRAM

DAY 2 (Continued)

TIME	SESSION / SPEAKER(S)	ROOM
13:15	'BRAINREACH' INFORMATION SESSION • Noor Sharif, Alexia Ostrolenk, Eviatar Fields, Malosree Maitra, Ana Farias De Sousa	Ballroom
13:25	<div> BUFFET LUNCH  </div>	<div> POSTER 'B' SESSION Main Hall (Lunch) Room 'B' (Posters 'B') </div>
15:30	NEUROSCIENCE CAREER PANEL: "THE ATYPICAL PATH"	Ballroom
17:00	CLOSING REMARKS	Ballroom
19:00	AFTER PARTY 	Thomson House (3650 McTavish)

Thank you!
SEE YOU IN 2019



APPENDIX

KEYNOTE SPEAKER

DR. PAUL J. FLETCHER



*Professor, Depts. Psychiatry and Psychology, University of Toronto
Senior Scientist and Head, Campbell Family Mental Health
Research Institute, Centre for Addiction and Mental Health
(CAMH), Toronto*

Field of Research: Dr. Paul J. Fletcher uses models to investigate the neurochemical bases of behaviours relevant to addictions and psychiatric disorders, and to identify the mechanisms of action of drugs used to treat these disorders. Dr. Fletcher has a particular interest in serotonin as modulator of reward-related behaviours, and in 5-HT receptor selective drugs as potential treatments for drug addiction.

THE ANN AND RICHARD SIEVERS AWARD IN NEUROSCIENCE

MARC SIEVERS



*Founder of
'The Ann and Richard
Sievers Award in
Neuroscience'*

Ann and Richard Sievers were born in Hamburg, Germany in the second decade of the twentieth century. They emigrated to Montreal in the early 1950s with their young son, Marc. It was not an easy transition for them. Limited language skills and a lack of contacts in Canada were obstacles. However, with the help of newly made Canadian friends they gradually found a footing in their new home. Richard wanted to become a chemist but the economic and political turmoil of the 1930s kept him from attending university. Nevertheless, he always maintained his high regard for learning and encouraged his son to pursue his interest in the sciences. Marc became the first member of his family to attend university, graduating from McGill with a Bachelor of Science, Honours in Psychology, in 1969. He went on to obtain a Master of Science degree from the Massachusetts Institute of Technology. Ann passed away in 2000 and Richard died in 2003 after a long struggle with Parkinson's disease. This award is dedicated to their memory.



Ann and Richard Sievers

VISIT OUR BOOTHS (LOCATION: MAIN HALL)

HEALTHY BRAINS FOR HEALTHY LIVES (HBHL) & SKILLSETS



Today's session is offered through a collaboration between Healthy Brains for Healthy Lives (HBHL) and SKILLSETS. It is part of the new HBHL-SKILLSETS program, which provides professional development opportunities specifically designed for graduate students and postdocs with an interest in neuroscience. HBHL-SKILLSETS offerings will provide you with essential skills and experience to help you succeed in your research, personal life and career.

For more information and a list of upcoming HBHL-SKILLSETS events, visit mcgill.ca/hbhl-skillsets.

BRAINREACH

Elementary, High School, North



Activity session in Mistissini on a BrainReach North outreach trip

BrainReach, a student-led science education outreach initiative, brings interactive neuroscience lessons to classrooms across Quebec. Volunteers with BrainReach High School and BrainReach Elementary regularly visit schools in Montreal to present hands-on activities which keep students engaged and curious. BrainReach North volunteers develop materials for teachers in remote indigenous communities to enhance their science curriculum.

To join BrainReach, email ipnbrainreach@gmail.com for more info or visit our booth today!

GRADUATE STUDENTS ASSOCIATION
FOR NEUROSCIENCE (GSAN)

MITACS

IC AXON (A DIVISION OF GP STRATEGIES)

The Team of *Integrated Program in Neuroscience*
THANKS THE FOLLOWING VENDORS

VENUES:

NEW RESIDENCE HALL, THOMSON HOUSE

VIDEOGRAPHY:

CC VIDEOKRAFT

PHOTOGRAPHY

RAINA FAN

POSTER BOARDS:

GES

CATERING:

FOODIE TRAITEUR

BEVERAGES:

DISTRIBUTIONS KEL VEND

WINE:

SAQ

CHEESE:

FOODIE TRAITEUR

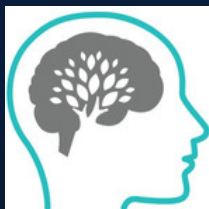
& SPECIAL THANKS TO OUR VOLUNTEERS

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THIS YEAR'S RETREAT WAS UNDERTAKEN THANKS IN PART TO FUNDING FROM:

**McGill**Graduate and
Postdoctoral Studies

*McGill University Graduate and
Postdoctoral Studies*

**HEALTHY BRAINS
FOR HEALTHY LIVES**

*Canada First Research Excellence Fund,
awarded to the
'Healthy Brains for Healthy Lives'
initiative at McGill University*

DouglasINSTITUT MENTAL HEALTH
UNIVERSITAIRE EN UNIVERSITY
SANTÉ MENTALE INSTITUTE

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A Division of GP Strategies

*IC Axon
(A Division of GP Strategies)*

TEA KINDLY OFFERED BY:

DAVIDsTEA

*DAVIDsTEA
(Store Place Ville Marie, Montreal)*