

PROGRAM

- 8:30-9:20** Sign in and poster set-up
- 9:20** Opening Remarks
- 9:30-10:00** **Francesco Leri**, University of Guelph
A "novel" method for assessing the reinforcing efficacy of drugs of abuse
- 10:00-10:30** **Sid Segalowitz**, Brock University
Risk-taking and the anterior cingulate cortex: How the brain regulates our unwise behaviour (or doesn't !)
- 10:30-11:00** **COFFEE/TEA/SNACKS**
- 11:00-11:45** **Student Talks**
- Michelle Sidor**, PhD candidate, Medical Sciences Graduate Program, McMaster University
The molecular signature of anxiety-like behaviour in mice exposed to a postnatal immune challenge
- Vladimir Miskovic**, PhD Candidate, MiNDS Graduate Program, McMaster University
The neurobiological consequences of early life adversity in humans: central and autonomic concomitants
- Ryan Van Lieshout**, Psychiatry Resident, PhD Candidate, MiNDS Graduate Program, McMaster University
Babies big and small: Exploring the impact of suboptimal intrauterine environments on mental health across the lifespan
- 11:45** walk to The Bistro on campus
- 12:00-1:30** LUNCH – meet the professor – an opportunity for trainee/faculty networking
- 1:30-3:30** POSTER SESSION – MDCL first floor
- 2:30** **COFFEE/TEA/SNACKS**
- 3:30-4:30** **KEYNOTE ADDRESS** – **John Yeomans**, University of Toronto
From Brain Rewards to Human Disease Genes: Sex, Drugs and Singing Mice
- 4:30-5:00** SONA Business Meeting

SONA - Southern Ontario Neuroscience Association

30th Annual Meeting at Brock

Academic South Complex, Brock University, St. Catharines On, May 7th, 2010

General: This year, we are hosting the 30th SONA conference. We hope that all Neuroscience researchers and students, as well as others from affiliated departments from universities across Southern Ontario will be able to participate in this special meeting.

Preliminary Program:

8:30 am – BREAKFAST SNACKS and drinks inside the meeting room

9:00 – Opening remarks

9:15 – Keynote Address # 1

R. Meldrum Robertson (Queen's University): Coma induced by abiotic stress in insects: a model for cortical spreading depression

10:15 – COFFEE BREAK

10:40 – 12:00 – Short Presentations

10:40 – **Chris Carter** (Brock University): A novel, non-genomic role of Retinoid X Receptor (RXR) in growth cone guidance.

11:00 – **Iva Mathews** (Brock University): Age differences in amphetamine sensitivity: Role of nucleus accumbens and medial prefrontal cortex

11:20 – **Catherine E. Milner** and Kimberly A. Cote (Brock University): Sleep Quality and Regulation following Traumatic Brain Injury

11:40 – **Viviana Cadena**, Glenn J. Tattersall, Rafael P. Bovo and Denis V. Andrade (Brock University): Rattlesnakes keep their cool: respiratory cooling enhances thermal detection by rattlesnakes

12:00 – LUNCH at the Academic South Complex

1:30 – 3:30 – General poster session

1:30 – Poster session and exhibits begin

3:00 – SNACKS: poster session and exhibits continue

cont...

3:30 – Keynote Address # 2

Derek van der Kooy (University of Toronto): Where brains come from?

4:30 – SONA Business Meeting

5:00 – Bar-B-Que in the Alphie's Trough – end of the meeting after BBQ.

2011 Guelph

7:00 Registration & poster set-up

8:00 Breakfast

8:50 Welcome

MINI-SYMPOSIUM I

9:00 RICHARD BENINGER, PhD (QUEEN'S UNIVERSITY)
Decreased dopamine and disincensive learning

9:45 PAUL FRANKLAND, PhD (UNIVERSITY OF TORONTO)
The network organization of long-term memory

10:30 Coffee Break

10:45 DAVID F. SHERRY, PhD (UNIVERSITY OF WESTERN ONTARIO)
Memory, neurogenesis and the brain of food-storing birds

KEY-NOTE LECTURE

11:30 HARRIET DEWIT, PhD (UNIVERSITY OF CHICAGO)
Determinants of drug preference in humans

12:30 Lunch (University Center)

POSTERS

MINI-SYMPOSIUM II

15:00 ADAM ANDERSON, PhD (UNIVERSITY OF TORONTO)
Do vivid perceptions make for vivid emotional memories?

15:45 Coffee Break

16:00 CHERYL GRADY, PhD (ROTMAN RESEARCH INSTITUTE)
Mechanisms of cognitive aging: functional connectivity and brain "noise"

16:45 JESSICA GRAHN, PhD (UNIVERSITY OF WESTERN ONTARIO)
Investigating how movement areas in the brain support musical rhythm perception

17:30 Business meeting

SONA Meeting Itinerary

10 am to 10:10 am • Welcoming Remarks • MacLeod Auditorium (MSB 2158)

FACULTY:

10:10 am to 11:30 am • Annual General Meeting • MSB 2173

STUDENTS, POSTDOCS, & TRAINEES:

10:10 am to 11:30 am • Career Development Talks • MacLeod Auditorium

10:10 am Dr. Jeff Coul (Ontario Brain Institute)

"Life beyond academe: Opportunities for advanced degree-holders"

10:40 am Dr. Edward Ruthazer (Montreal Neurological Institute)

"Disorientation: The Personal Journeys of a Neuroscientist"

ALL ATTENDEES:

11:30 am to 1:30 pm • Lunch and Poster Session • MSB Stone Lobby

1:30 pm to 3:00 pm • Guest Lectures • MacLeod Auditorium

1:30 pm Dr. Diano F. Marrone (Wildfred Laurier University)

"Investigating Hippocampal Information Processing Using Immediate-early Genes"

2:15 pm Dr. Sue Becker (McMaster University)

"A functional role for hippocampal neurogenesis in memory: Converging evidence from rodent and human studies"

3:00 pm to 4:00 pm • Distinguished Lecturer • MacLeod Auditorium

Dr. Edward Ruthazer (Montreal Neurological Institute)

"Modulation of developing visual system structure and function by sensory experience"

4:00 pm to 5:00 pm • Closing Reception • Stone Lobby

SOUTHERN ONTARIO NEUROSCIENCE ASSOCIATION
33RD ANNUAL CONFERENCE PROGRAM

2013 *Laurier*

- 8:00 am REGISTRATION OPENS - BREAKFAST, SNACKS & DRINKS
Morning presenters please set up posters in Science Bldg Courtyard
- 8:45am OPENING REMARKS: Diano Marrone, SONA President
- 9:00 - 10:30am MINI-SYMPOSIUM I in room N1001: Sensory-Motor Processing
Jeremy Wong, University of Western Ontario
Jason Gallivan, Queen's University
Phillip Servos, Wilfrid Laurier University
- 10:30 - 12:30pm MORNING POSTER SESSION
Poster boards in Science Bldg Courtyard
Poster session will continue through lunch
- 11:30 - 12:30pm LUNCH
FOR FACULTY: SONA Business Meeting, room N2005
- 12:30pm Afternoon presenters please set up posters in Science Bldg Courtyard
- 12:45 - 2:15pm MINI-SYMPOSIUM II in room N1001: Decision Making and Addiction
Bruce McKay, Wilfrid Laurier University
Matthijs van der Meer, University of Waterloo
Francesco Leri, University of Guelph
- 2:15 - 4:15pm AFTERNOON POSTER SESSION
Poster boards in Science Bldg Courtyard
- 4:15pm KEYNOTE in room N1001
"Acoustic Experience Alters How You See the World"
Stephen Lomber, Depts of Physiology and Psychology
University of Western Ontario
- 5:15pm CLOSING REMARKS
- 5:30pm POST-MEETING RECEPTION & POSTER AWARDS CEREMONY
Wilf's (second floor, Fred Nichols Campus Centre)

Meeting Program

- 8:00** **Registration, Breakfast**
- 8:45** **Opening remarks: Susanne Schmid, President of SONA**
- 9:00 - 11:15** **Barbara Zielinski (Univ. of Windsor)**
"Olfaction in the wild: the olfactory system in two invasive fish"
- Deda Gillespie (McMaster)**
"Exciting development at inhibitory synapses"
- Scott MacDougall-Shackleton (Western)**
"Stress and the brain: lessons from songbirds"
- Boyer Winters (U of Guelph)**
"Cholinergic regulation of object memory destabilization"
- 11:15 - 1:15** **Poster session I**
- 12:00** **Lunch (Business meeting for SONA delegates and interested people, Room 146)**
- 1:15 - 3:00** **Arthur Brown (Western)**
"SOX after central nervous system injury"
- Kelly Shen (Baycrest)**
"Anatomical constraints on functional network organization and *dynamics*"
- James Danckert (U of Waterloo)**
"Playing games to understand the brain: building mental representations of statistical regularities."
- 3:00-4:30** **Poster session II**
- 4:30 -5:15** **Keynote: Marla Sokolowski (Univ. of Toronto)**
"The *foraging* gene: Will that be for here or to go?"
Sponsored by the Western Neuroscience Graduate Program
- 5:15** **Closing remarks, Announcement of the poster awards**
- 5:20** **Post Meeting Reception the Wave (Finger food & Cash-Bar)**



Inspiring Innovation and Discovery

35th Annual Meeting

May 1, 2015

- 8:00 Registration, breakfast
- 8:50 Opening remarks: Deda Gillespie, president
- 9:00 **Karun Singh (McMaster)**
"Signaling pathways regulating neuronal connectivity and their disruption in Autism Spectrum Disorders"
- Ewa Niechwiej-Szwedo (Waterloo)**
"Moving with lazy eye: Contribution of binocular vision during performance of fine motor skills"
- Craig Bailey (Guelph)**
"Paying attention to prefrontal neurons following developmental ethanol exposure"
- Blake Richards (Toronto, Scarborough)**
"The medial prefrontal cortex promotes new learning that violates expectations"
- 11:00 Coffee Break
- 11:15 Morning Poster Session
- 12:30 Lunch (till 1:30)
SONA business meeting, MDCL 1115
- 1:15 Afternoon Poster Session
those SONA attendees who wish are invited to attend the NeuroXchange keynote talk by Morgan Barense (Toronto) at 2:00pm
- 3:15 SONA Keynote
Joshua Gordon (Columbia University)
"Hippocampal-prefrontal synchrony as a window into schizophrenia pathophysiology"
- 4:15 Closing remarks; poster awards
- 4:20 Reception



UNIVERSITY OF
WATERLOO

36th Annual Meeting, May 6 2016

8:00 Registration and Breakfast

8:50 Opening Remarks

9:00 Morning Keynote Speaker, Bryan E. Kolb, University of Lethbridge, *Principles of plasticity in the developing brain*

10:00 Coffee Break and Poster Session I

11:00 "Computational Neuroscience" Session (Moderator, Jeff Orchard)

Chris Eliasmith, University of Waterloo, *An approach to large-scale, integrated neural modeling*

Jean-Phillippe Thivierge, University of Ottawa, *Embracing neural diversity: How the brain makes sense of complex activity to guide decisions*

Randy McIntosh, Rotman Research Institute, *Bridging neuroscience data using large-scale computational modeling*

12:30 Lunch and Poster Session II, SONA Business Meeting, and Teaching

Neuroscience session: Vesicles from the 6ix - a group discussion about emerging options and opinions in neuroscience education

2:00 Afternoon Keynote Speaker, Adrian Owen, Western University, *The Master of Suspense: Consciousness and Executive Function*

3:00 "Trainee Talk" Session (Moderator, Ewa Niechwiej-Szwedo)

Claudia Martin Calderon (Undergraduate Student, University of Waterloo) *Eye movement deficits in athletes with a history of mild traumatic brain injury*

Mikaela L. Stiver (Master's Student, University of Guelph) *M1 Cholinergic receptors are essential for object memory destabilization: a gateway to memory updating*

Niki Hosseini-Kamkar (PhD Student, Western University) *The Mesolimbic Dopamine Pathway is Sensitive to Early Life Adversity*

Elaine Setiawan (Postdoctoral Fellow, CAMH) *Translocator protein distribution volume during medication-free and treatment-resistant major depressive episodes*

4:00 Closing Remarks, Trainee Poster and Talk Awards

4:30 Social @ "The Bomb Shelter", co-hosted with Symposium on Aging Research (SoAR) organizing committee



37th Annual Meeting, May 5th 2017
Academic South Complex, Brock University

8:00h – Registration and Breakfast

9:00h – Opening Remarks: room AS204

9:15h – 10:30h – Morning Keynote Speaker: room AS204

Dr Robert Gerlai (University of Toronto)

Embryonic alcohol exposure in zebrafish: Modeling the milder and more prevalent form of Fetal Alcohol Spectrum Disorders

10:30h – 12:30h – Poster Session I

Lunch available from 11:30h until 13:00h

SONA Counselors Meeting in room AS202 from 11:45h to 12:45h

12:50h – 14:00h – “Trainee Talk” Session: room AS204

Sarah Donato (University of Guelph): *Identification of stem cells in the body spinal cord of the leopard gecko*

Kevin MacDonald (Brock University): *Naps containing REM sleep increase stimulus-preceding negativity in anticipation of threat judgements*

Gilda Stefanelli (University of Toronto): *The histone chaperone Anp32E removes H2A.Z from specific targets and regulates memory formation in the hippocampus*

14:00h – 16:00h – Poster Session II

16:00h – 17:00h – Afternoon Keynote Speaker: room AS204

Dr Steven Laviolette (Western University)

Understanding the Positive and Negative Effects of Marijuana on Mental Health

17:00h – Social with appetizers at Alphonse's Trough