

# LOVE Conference 2016

## Poster Schedule Summary

### Poster Session 1: Thursday

Posters up 12:00 PM

Poster Presentations from 3:00 PM - 4:00 PM

Posters down by 4:00 PM\*

(\*please note the change in time. Posters must come down at the end of the poster session so we can set-up for the LOVE Affair)

Sensation and Perception	T1-8
Attention	T9-17
Brain and Behaviour	T18-20
Research Methods	T21-22
Language	T23-25
Development	T26-30

### Poster Session 2: Friday

Posters up 9:00 AM

Poster Presentations from 2:30 PM - 3:30 PM

Posters down by 5:00 PM

Sensation and Perception	F1-7
Memory	F8-19
Educational Cognition	F20-21
Motivation and Emotion	F22-25
Judgements and Decision Making	F26-27
Consciousness	F28-29

## THURSDAY POSTERS

### Sensation and Perception

T1. Core diagnostic features of autism are influenced by sensory sensitivities. Karen R. Black<sup>1</sup>, Ryan A. Stevenson<sup>1</sup>, Busisiwe L. Ncube<sup>2</sup>, Magali Segers<sup>2</sup>, Sol Z. Sun<sup>1</sup>, James Bebko<sup>2</sup>, Aviva Philip-Muller<sup>1</sup>, Matthew Johnston<sup>3</sup>, Ze Yuan Wang<sup>1</sup>, Morgan D. Barense<sup>1</sup>, Susanne Ferber<sup>1</sup> (1) *University of Toronto* (2) *York University* (3) *Western University*

T2. Are conjunctive-processing deficits in autism specific to faces? Aviva Z. Philipp-Muller<sup>1</sup>, Ze Y. Wang<sup>1</sup>, Ryan A. Stevenson<sup>1</sup>, Lik-kin Yeung<sup>1</sup>, Karen R. Black<sup>1</sup>, Matthew Johnston<sup>2</sup>, Morgan D. Barense<sup>1,3</sup>, Susanne Ferber<sup>1</sup> (1) *University of Toronto* (2) *Western University* (3) *Rotman Research Institute*

T3. Interaction between shape and texture processing during visual scene perception. Vignash Tharmaratnam, Mihilkumar Patel, Matthew X. Lowe, Susanne Ferber, Jonathan S. Cant *University of Toronto*

T4. Is a marshmallow more like a pillow or a graham cracker? The role of the medial temporal lobes in perceptual and conceptual processes. L. Man, R.N. Newsome, D. Douglas, M.D. Barense *University of Toronto*

T5. Effect of Distance and Divided Attention on Object Detection During Driving. Jiali Song, Patrick J. Bennett, Allison B. Sekuler, Hong-Jin Sun *McMaster University*

T6. Does lying down alleviate the crossed-hands deficit even under external response demands? Mariana Lanzini, Kaian Unwalla, Michelle L. Cadieux, David I. Shore *McMaster University*

T7. Scene Perception in Older Adults: Deficit in detection of spatial layout, but not texture. Sara Pishdadian<sup>1</sup>, Jessica Robin<sup>1</sup>, Matthew X. Lowe<sup>1</sup>, Jonathan S. Cant<sup>1</sup>, Morris Moscovitch<sup>1,2</sup> (1) *University of Toronto* (2) *Rotman Research Institute*

T8. Movement familiarity and multisensory cues heighten timing sensitivity. Fiona Manning, Michael Schutz *McMaster University*

T9. Reduced auditory filtering for both speech and non-speech stimuli in children and adolescents with autism. Loisa Bennetto<sup>1</sup>, Jessica M. Keith<sup>1</sup>, Paul D. Allen<sup>1,2</sup>, Anne E. Luebke<sup>1,2</sup> (1) *University of Rochester* (2) *University of Rochester Medical Centre*

### Attention

T10. More is Better: Modified Emotional Stroop Task. Sarah Uzzaman, Steve Joordens *University of Toronto*

T11. Attending to and valuing sexual stimuli: Exploring the cognitive determinants of self-reported arousal. Rachel Driscoll, Keelia Quinn de Launay, Mark Fenske *University of Guelph*

T12. An Investigation of Dual-Task Performance of Older Adults with and without Hearing Loss in a Virtual Reality Environment. Sin-Tung Lau<sup>1</sup>, Kathy Pichora-Fuller<sup>2</sup>, Karen Li<sup>3</sup>, Gurjit Singh<sup>1</sup>, Jennifer Campos<sup>1</sup> (1) *University Health Network – Toronto Rehabilitation Institute* (2) *University of Toronto* (3) *Concordia University*

T13. Sustained Attention and Self-Regulation: Exploring the Effect of Ego Depletion on Mind Wandering. Brij Karmur, Amy Pachai, David Shore, Joseph Kim *McMaster University*

T14. Revealing the Affective Consequences of Internal Attention by Comparing Active and Accessory Working Memory States. Gavin Petrie, David De Vito, Mark J. Fenske *University of Guelph*

T15. The Direct Effects of Mindfulness Meditation on Cognitive Control. Swapna Krishnamoorthy<sup>1</sup>, John Grundy<sup>2</sup>, Judith Sheddon<sup>1</sup> (1) *McMaster University* (2) *York University*

T16. Early contralateral components correspond to a narrowing of the window of attention in crowded visual displays. Joel Robitaille, Rachel E. Vonk, Holly A. Lockhart, Stephen M. Emrich *Brock University*

T17. Don't think 'red': a disengagement cost for visual imagery cues. Brett Cochrane, Bruce Milliken *McMaster University*

T18. The combined effects of exogenous attention and stimulus-form expectancies are modulated by the availability of working memory resources. Mark J. Fenske<sup>1</sup>, Jennifer A. Stolz<sup>2</sup>, Maria Giammarco<sup>1</sup> (1) *University of Guelph* (2) *Waterloo University*

## Brain and Behaviour

T19. Suppression of simple visual hallucinations from occipital stroke using TMS. Sara A. Rafique<sup>1</sup>, John R. Richards<sup>2</sup>, Jennifer K. E. Steeves<sup>1</sup> (1) *Centre for Vision Research and Department of Psychology, York University* (2) *University of California, Davis*

T20. Audiovisual integration in people with one eye: Normal temporal binding window but reduced sound induced flash illusion and McGurk effect. Stefania S. Moro<sup>1,2</sup>, Jennifer K. E. Steeves<sup>1,2</sup> (1) *Department of Psychology and Centre for Vision Research, York University* (2) *The Hospital for Sick Children, Toronto*

T21. DTI reveals asymmetry in the optic radiations following early monocular enucleation. Nikita A. Wong<sup>1</sup>, Sara A. Rafique<sup>1</sup>, Krista R. Kelly<sup>2</sup>, Stefania S. Moro<sup>1,3</sup>, Jennifer K. E. Steeves<sup>1,3</sup> (1) *Department of Psychology and Centre for Vision Research, York University* (2) *Retina Foundation of the Southwest, Dallas* (3) *The Hospital for Sick Children, Toronto*

## Research Methods

T22. These Go To 11: The General Tufnel Problem in Experiential Judgments Over Time. Tanor Bonin, James Allan Cheyne, Daniel Smilek, James Danckert *University of Waterloo*

T23. Psychological Research Applications Using Grail. Michael Barone, Matthew Woolhouse *McMaster University*

## Language

T24. Processing of canonical and non-canonical word-forms in bilingual spoken word recognition. Hayk Abrahamyan *SUNY at Buffalo*

T25. Phonemic awareness is unrelated to audiovisual processing during rhyming judgments in children with reading difficulty: Evidence of an audiovisual integration deficit. Emma Greenspon<sup>1</sup>, Melissa Wagner<sup>2</sup>, James Booth<sup>3</sup>, Chris McNorgan<sup>1</sup> (1) *University at Buffalo* (2) *Columbia University* (3) *University of Texas at Austin*

T26. An ERP investigation of sentence processing: Evidence for number in events. Veena Dwivedi<sup>1</sup>, Rachele Gibson<sup>2</sup>, Kaitlin Curtiss<sup>1</sup> (1) *Brock University* (2) *Western University*

## Development

T27. Sit! How learning to sit changes infants' face processing. Aidan Mehak, Nicole A. Sugden, Margaret C. Moulson *Ryerson University*

T28. The Mesocorticolimbic Dopamine Pathway Exhibits a Phenotypic Plasticity To The Experience of Early Life Adversity. Niki Hosseini-Kamkar *Western University*

T29. The eyes have it! Micro-analysis of infant-directed gaze in 3-month-old infants' typical, daily experiences. Madeline Q. Morris, Amy MacKenzie, Anthony Atell, Nicole A. Sugden, Margaret C. Moulson *Ryerson University*

T30. When you're smiling? Three-month-old infants' natural, daily exposure to happy, surprise, and negative facial expressions of emotion. Eileen Abraham, Nicole Sugden, Suellen Festa, Margaret C. Moulson *Ryerson University*

## Friday Posters

### Sensation and Perception

F1. The efficacy of airflow and seat vibration on reducing visually induced motion sickness. Sarah D'Amour<sup>1</sup>, Jennifer Campos<sup>2,3</sup>, Behrang Keshavarz<sup>2</sup> (1) *York University* (2) *Toronto Rehabilitation Institute* (3) *University of Toronto*

F2. Toward a two-stage model of free categorization. Gregory Smith, John Clapper *California State University, San Bernardino*

F3. The Absolute Duration Threshold for Amplitude Envelope Recognition. Kimberly Germann, Dominique Beauregard Cazabon, Michael Schutz *McMaster University*

F4. The temporal window of visuotactile integration: examination of simultaneity judgment and temporal order judgment tasks. Yichu Zhou<sup>1</sup>, Yi-Chuan Chen<sup>2</sup>, David I. Shore<sup>1</sup> (1) *McMaster University* (2) *University of Oxford*

F5. Investigating the contributions of beat salience and enjoyment to groove in a music-based rhythmic auditory stimulation paradigm. Lucy M. McGarry<sup>1</sup>, Brittany S. Roberts<sup>1,2</sup>, Emily A. Ready<sup>3,4</sup>, Cricia Rinchon<sup>1,2</sup>, Jeffrey D. Holmes<sup>3,4</sup>, Jessica A. Grahn<sup>1,5</sup> (1) *Brain and Mind Institute* (2) *Schulich School of Medicine and Dentistry* (3) *Health and Rehabilitation Sciences* (4) *School of Occupational Therapy* (5) *Department of Psychology – Western University*

F6. Encoding of audiovisual simultaneity. Aysha Basharat, Michael Barnett-Cowan *University of Waterloo*

F7. It's All About Me: Internal Response Demands Improve Performance. Kaian Unwalla, Zahra Khalesi, Serena Ho, Kailey Veitch, Michelle L. Cadieux, David I. Shore *McMaster University*

### Memory

F8. How Interference Affects Accuracy and Precision for Object Colour and Shape. Celia Fidalgo<sup>1</sup>, Yue Li<sup>1</sup>, Morgan D. Barense<sup>1,2</sup>, Andy C. H. Lee<sup>1,2</sup> (1) *University of Toronto* (2) *Rotman Research Institute, Toronto*

F9. Coherence of visual narratives: effects on gaze and memory. Helen Liu, Christopher Honey *University of Toronto*

F10. Tracking representational content in the medial temporal lobe and ventral visual stream during a delayed match-to-sample task. Edward O'Neil, Andy Lee *University of Toronto Scarborough*

F11. Spaced rapid replay improves memory for events. Chris B. Martin, Davide Crombie, Morgan D. Barense, Christopher J. Honey

F12. Shifting the balance between pattern separation and completion: Recent memory retrieval increases people's subsequent ability to recall associations. Anuya Patil, Freha Mian, Jihad El Sheikh, Katherine Duncan *University of Toronto*

F13. Electrophysiological indices of working memory can be used to predict the devaluation of ignored items during memory maintenance. David De Vito, Mark J. Fenske, Naseem Al-Aidroos *University of Guelph*

F14. Memory Maintenance ERP Scales by Fluid Resources Allocation in Visual Working Memory. Holly A. Lockhart, Stephen M. Emrich *Brock University*

F15. Content-specific age-related effects on recollection and familiarity. Patricia Marshall<sup>1,2</sup>, Morgan Barense<sup>1</sup>, Nicole Anderson<sup>1,2</sup> (1) *University of Toronto* (2) *Baycrest Hospital*

F16. Experience transforms the conjunctive representations of object features in the ventral visual stream. Jackson Liang<sup>1</sup>, Jonathan Erez<sup>1</sup>, Felicia Zhang<sup>1</sup>, Rhodri Cusack<sup>2</sup>, Morgan Barense<sup>1</sup> (1) *University of Toronto* (2) *Western University*

F17. Direct and Indirect Testing Effects: A Replication Experiment. Stephanie C. Crocco, Deana Vitrano, James H. Neely *University at Albany, SUNY*

F18. Knowing by heart: Cardiovascular feedback informs familiarity-based recognition memory judgments. Chris M. Fiacconi<sup>1</sup>, Erika L. Peter<sup>2</sup>, Sawayra Owais<sup>1</sup>, Stefan Köhler<sup>1</sup> (1) *Western University* (2) *Queen's University*

F19. Fear boosts recognition memory performance for emotionally neutral stimuli. Devin Duke, Paige Ethridge, Emily Safronsky, Chris Fiacconi, Stefan Köhler *Western University and Brain and Mind Institute*

### **Educational Cognition**

F20. The Effect of Interleaving Unrelated Topics on Category Learning. Ian Belo<sup>1</sup>, Holly Pyndiura<sup>1</sup>, Faria Sana<sup>1,2</sup>, Joe Kim<sup>1</sup> (1) *McMaster University* (2) *University of Alberta*

F21. Sustaining Attention in Lectures through Interpolated Questions. Michelle Ogrodnik, Amy Pachai, Joseph Kim *McMaster University*

### **Motivation and Emotion**

F22. Mechanisms of Emotion in Bach's Well-Tempered Clavier. Aimee Batcock, Michael Schutz *McMaster University*

F23. Striking a chord: different instruments impact emotion perception ratings. Annilee Baron, Michael Schutz, Aimee Battcock *McMaster University*

F24. Examining the Link between Boredom and Fidgeting. Angela Chen, Blaire Dube, Mark Fenske *University of Guelph*

F25. Understanding rapid emotion categorization in the adult brain: Preliminary results using a fast periodic visual stimulation paradigm. Alexandra Marquis, Abdel Elshiekh, Margaret Moulson *Ryerson University*

## Judgements and Decision-Making

F26. The effects of musical mood and arousal on executive function performance. Jerome Irutharayajah, Tram Nguyen, Jessica Grahn *Western University*

F27. Exploring the relationship between rhythmic variability and chosen tempos. Anna Siminoski, Michael Schutz *McMaster University*

## Consciousness

F28. The Content of Visual Working Memory Influences the Quality of Visual Perception. Christine Salahub, Stephen Emrich *Brock University*

F29. Mapping structural connectivity of thalamic nuclei at ultrahigh fields. Clara Stafford<sup>1</sup>, Adrian M. Owen<sup>1</sup>, Davinia Fernandez-Espejo<sup>2</sup>, Joe Gati<sup>3</sup> (1) *Western University* (2) *University of Birmingham* (3) *Centre for Functional and Metabolic Mapping*