

Curriculum Vitae

Avital Sternin

Education

- 2014.09 – present **The University of Western Ontario**
- M.Sc. Candidate in Psychology – Behavioural and Cognitive Neuroscience
 - Supervisors: Dr. Jessica A. Grahm and Dr. Adrian M. Owen
 - Project: Classifying music perception and imagination using EEG
- 2009.09 – 2014.04 **Brock University, St. Catharines, Ontario.**
- B.Sc. Neuroscience (Honours) – Supervisor: Dr. Sidney Segalowitz
 - Project: Electrophysiological evidence of altered visual processing in adults suffering from blocked pattern vision during infancy (4th year honour's thesis)
 - Dean's Honors list 2010-2014

Awards

- 2015.09-2016.08 **Canada Graduate Scholarships – Master's Program - \$17500**
- Awarded by the National Science and Engineering Research Council
 - Awarded to work with Dr. Jessica Grahm and Dr. Adrian Owen at the University of Western Ontario.
- 2015.09-2016.08 **Ontario Graduate Scholarship - \$15000**
- Declined
- 2013.05-2013.08 **Undergraduate Student Research Award - \$6000**
- Awarded by the National Science and Engineering Research Council
 - Awarded to work with Dr. Sid Segalowitz in Brock University's Cognitive and Affective Neuroscience Lab.

Publications

- 2015.10 Stober, S., **Sternin, A.**, Owen, A.M., Grahm, J.A. (2015). Towards Music Imagery Information Retrieval: Introducing the OpenMIIR Dataset of EEG Recordings from Music Perception and Imagination. *Proceedings of the 16th International Society for Music Information Retrieval Conference (ISMIR '16)*. Malaga, Spain.
- 2015.08 Segalowitz, S. J., **Sternin, A.**, Lewis, T. L., Dywan, J., & Maurer, D. Electrophysiological Evidence of Altered Visual Processing in Adults who Experienced Visual Deprivation During Infancy *Submitted to Neuropsychologia: NSY-D-15-00682*.
- 2015.06 **Sternin, A.**, Stober, S., Owen, A.M., Grahm, J.A. Tempo Estimation from the EEG signal during perception and imagination of music. *Proceedings of the 1st International Workshop on Brain-Computer Music Interfacing*. Plymouth, UK.

Conference Presentations – oral

- 2015.09 **Fifth Annual Cognitive Based Music Informatics Research** (Toronto, ON)
- Stober, S.*, **Sternin, A.**, Owen, A.M., Grahm, J.A.
 - Similarity and feature learning for EEG recordings of music perception and imagination
 - *Awarded the Best Paper Award*
- 2015.06 **First International Workshop on Brain-Computer Music Interfacing** (Plymouth, UK)
- **Sternin, A.***, Stober, S., Owen, A.M., Grahm, J.A.
 - Tempo Estimation from the EEG signal during perception and imagination of music

Relevant Experience

- 2016.03 **Inspiring Young Women in STEM Conference – Western Women in Neuroscience**
- Executive committee member
 - Liaised with local industry partners and organized the conference Industry Expo
- 2016.02 **Lead Organizer of an Undergraduate Outreach Symposium at Western University**
- Organized Graduate students to give mentorship talks during Bring an Undergrad to Grad School Day 2016
- 2014-2016 **Western Undergraduate Psychology Journal – Graduate Student Editorial Board Member**
- Review articles before publication in the journal
- 2015.07 **Program Support Team – Society for Music Perception and Cognition 2015**
- Responsible for grouping submitted abstracts based on topic into conference sessions.

Teaching Experience

- 2014.09 – present **Graduate Teaching Assistant at the University of Western Ontario**
- Psychology Research Methods (2nd year)
 - Nominated for a Graduate Student Teaching Award (2015)