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Gabriel A. Nespoli

Curriculum Vitae

Education

Doctor of Philosophy (PhD), Psychology (expected 2018)

Ryerson University, Toronto, Canada

Advisor: Frank A. Russo

Committee: Todd A. Girard, Margaret C. Moulson, Peter Vuust

Thesis: Neuronal Entrainment and Musical Groove

Master of Arts (MA), Psychology (2014)

Ryerson University, Toronto, Canada

Advisor: Frank A. Russo

Committee: Benjamin J. Dyson, Lixia Yang

Thesis: Musicianship and Neural Synchronization at Multiple Timescales

Bachelor of Science (BSc), Psychology (2007)

McGill University, Montreal, Canada

Advisor: Stephen E. McAdams

Thesis: Beauty in the Body of the Beholder: The Physiological Correlates of Musical Emotion

Awards

Grants

1. NSERC PGS D (2015). Fundable but not funded.
2. MITACS Accelerate (2013). \$15000.
3. Ontario Graduate Scholarship (2012–2018). \$15000 each year.

Prizes

1. Student Presentation Award (2016). Acoustics Week in Canada, Canadian Acoustical Association. \$500.
 2. Bregman Prize in Psychological Acoustics (2014). Canadian Acoustical Association. \$500.
 3. Poster Award (2013). Psychology Graduate Students' Union Research Symposium, Ryerson University. Toronto, ON.
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Research

Publications

Journal Articles (under review)

1. Nespoli, G.A., Goy, H., Singh, G., Russo, F.A. (under review). The Effects of Hearing Loss and Hearing Aids on Physiological Responses to Emotion in Speech.

Journal Articles

1. Good, A., Gordon, K., Papsin, B.C., Nespoli, G., Hopyan, T., Peretz, I., & Russo F.A. (2017). Benefits of Music Training for Perception of Emotional Speech Prosody in Deaf Children with Cochlear Implants, *Ear & Hearing*.
2. Branje, C., Nespoli, G., Russo, F.A., & Fels, D.I. (2014). The effect of vibrotactile stimulation on the emotional response to horror films. *Computers in Entertainment*, 11, 1-13.
3. Nespoli, G., Behar, A., & Russo, F.A. (2013). Validation of the CSA Z107.56 standard method for the measurement of noise exposure from headsets. *Canadian Acoustics*, 41, 31-36.

Invited Articles

1. Nespoli, G. (2015). Speech in Brain in Noise: Neural Plasticity in the Auditory Brainstem. *Canadian Audiologist*, 2(3).
2. Behar, A., & Nespoli, G. (2013, June). Headsets—Are They Damaging Your Hearing? *Canadian Hearing Report*, 8(3), 28-29.

Proceedings Papers

1. Nespoli, G.A., Gilmore, S., & Russo, F.A. (2017). Brain Entrain: Acoustic Features of Music that Drive You to Synch. Proceedings of Acoustics Week in Canada, *Canadian Acoustics*, 45. Guelph, ON.
2. Dubinsky, E., Nespoli, G.A., & Russo, F.A. (2017). Effects of short-term choir participation on auditory perception in older adults. Proceedings of Acoustics Week in Canada, *Canadian Acoustics*, 45. Guelph, ON.
3. Nespoli, G.A., & Russo, F.A. (2016). Galvanic Skin Responses to Emotional Speech in Hearing-Impaired and Hearing-Aided Listeners. Proceedings of Acoustics Week in Canada, *Canadian Acoustics*, 44. Vancouver, BC.
4. Nespoli, G., Ammirante, P., & Russo, F.A. (2014). Musicians Show Enhanced Neural Synchronization at Multiple Timescales. Proceedings of Acoustics Week in Canada, *Canadian Acoustics*, 42, 74-75. Winnipeg, MB.
5. Behar, A., Nespoli, G., Loria, T., & Russo, F.A. (2013). Validation of the CSA Z107.56 standard method for the measurement of noise exposure from headsets. Proceedings of the ASA/CAA/ICA, *Journal of the Acoustical Society of America*, 133, 3593.
6. Branje, C.J., Nespoli, G., Russo, F.A., & Fels, D. I. (2010). Vibrotactile stimulation. Proceedings of the 1st Graphics, Animation, and New Media Conference (GRAND NCE). Ottawa, ON.
7. Branje, C., Maksimowski, M., Nespoli, G., Karam, M., Fels, D., & Russo, F.A. (2009). Development and Validation of a Sensory-Substitution Technology for Music. Proceedings of Acoustics Week in Canada. *Canadian Acoustics*, 37, 186–187. Niagara-on-the-Lake, ON.
8. Karam, M., Nespoli, G., Russo, F.A., & Fels, D.I. (2009). Modeling perceptual elements of music using a vibrotactile display for deaf users: A field study. Proceedings of the International Conferences on Advances in Computer-Human Interactions. Cancun, Mexico.

Conference Presentations

1. Nespoli, G.A., & Russo, F.A. (2016, April 23). *Perceived Groove and Neuronal Entrainment to the Beat*. Paper presentation at the Rhythm and Timing Symposium, Michigan State University, East Lansing, MI.
2. Nespoli, G., Ammirante, P., & Russo, F.A. (2015, August 2). *Entrainment of Neural Oscillations to Auditory Stimuli: A Source Localization Approach using EEG*. Poster presentation at the Biennial Meeting of the Society for Music Perception and Cognition (SMPC), Vanderbilt University, Nashville, TN.

3. Russo, F. A., Good, A., Nespoli, G., Gordon, K., Papsin, B. (2014, June 6). *Potential benefits of music and multi-modal training on perception of emotional prosody in children with cochlear implants*. Paper presentation at Hearing Across the Lifespan, Cernobbio, Italy.
4. Nespoli, G., & Russo, F.A. (2014, July 4). *Musicianship and Neural Synchronization at Multiple Timescales*. Poster presentation at the 24th Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS), Ryerson University, Toronto, ON.
5. Nespoli, G., Ammirante, P., & Russo, F.A. (2013, November 23). *Beta- and gamma-band electroencephalographic activity indicates pulse in non-isochronous syncopated rhythms*. Poster presentation at the NeuroMusic Conference, McMaster Institute for Music & the Mind (MIMM), Hamilton, ON, & the Biennial Meeting of the Society for Music Perception and Cognition (SMPC), Ryerson University, Toronto, ON.
6. Nespoli, G., Andrews, A.J., & Russo, F.A. (2012, August 27). *Feature-Finder: A powerful signal processing tool*. Poster presentation at 2nd Annual Cognitive Music Information Retrieval (CogMIR) Seminar, Ryerson University, Toronto, ON.
7. Sandstrom, G., Nespoli, G., & Russo, F.A. (2009, February). *Musical valence and arousal in the regulation of stress*. Poster presentation at Emotion Pre-Conference, Annual Meeting of the Society of Personality and Social Psychology, Tampa, USA.
8. Sandstrom, G., Nespoli, G., & Russo, F.A. (2008, June). *Musical valence and arousal in the regulation of anxiety*. Poster presented at the Neurosciences and Music III: Disorders and Plasticity, McGill University, Montreal, QC.

Invited Presentations

1. Nespoli, G. (2014, November 14). *Neural Synchronization at Multiple Timescales*. Invited talk at the Psychology Graduate Students' Association Research Symposium, Ryerson University, Toronto, ON.

Teaching

Mentorship

Co-supervised continuing education thesis paper. Kyeong Won Sohn (2015). The Underlying Mechanism of Drawing Art in Mood Regulation.

Co-supervised continuing education thesis paper. Lisa Chisholm (2014). Musical Performance Anxiety: Psychological and Physiological Measures in Research.

Teaching Assistantships

PSY214 Psychopharmacology. (2016).

PSY105 Perspectives in Psychology. (2013).

PS8527 Computational Methods in Psychology. (2012).

Workshops Given

1. Nespoli, G., & Pun, C. (2015-2018). *Physiological Data Analysis with MATLAB*. Yearly workshop for 10-15 people in the department. Ryerson University, Toronto, ON.
 2. Russo, F. A., Ammirante, P., & Nespoli, G. (2013, Mar 7). *Music, Mind and Technology*. Hosted a workshop Workshop for the Musicians@Ryerson student group. Ryerson University, Toronto, ON.
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Service

1. Guest co-editor for a special issue of Canadian Acoustics.
2. Nespoli, GA. (2016). *PHZLAB: A MATLAB Toolbox for analysis of physiological data*. Software developed. Available at <http://github.com/gabenespoli/phzlab>.
3. Member of the organizing committee for the Cognitive Music Information Retrieval (CogMIR) Conference. (2014).
4. Andrews, A.J., & Nespoli, G. (2012). *FeatureFinder: A powerful signal processing tool*. Software developed. Available at <http://www.featurefinder.ca>.