

# FRANCESCA COPELLI

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## CURRENT POSITION

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Starting Sept. 2021  
PhD (direct entry)-Psychology, University of Toronto  
Supervisor: Dr. Bjorn Herrmann

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## EDUCATION

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Sept. 2011 – Oct. 2016  
B.A. in Psychology (Honours), Ryerson University  
Co-supervisors: Dr. Paolo Ammirante & Dr. Frank Russo  
Honours Thesis Title: "Visual biological modulation of the mu band"

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## RESEARCH EXPERIENCE

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Sept. 2016 – Aug. 2021, SMART Lab, Ryerson University  
Lab Manager & Technician; Lab Director: Dr. Frank Russo

***Additional roles:***

Assistant Manuscript Coordinator of AIRS Volume I; May. 2019 – Mar. 2020  
Project manager of SingWell Canada; May. 2018 – Aug. 2021

May 2016 – Apr. 2017, MAPLE Lab, McMaster University  
Research Assistant; PI: Dr. Michael Schutz

Sept. 2015 – May 2016, SMART Lab, Ryerson University  
Independent Thesis Student; Co-supervisors: Dr. Paolo Ammirante & Dr. Frank Russo

Sept. 2014 – Sept. 2015, SMART Lab, Ryerson University  
Research Assistant; PI: Dr. Arla Good

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## PUBLICATIONS

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Rovetti, J., **Copelli, F.**, & Russo, F. A. (Submitted). Speech emotion activates the left pre-supplementary motor area.

**Copelli, F.**, Rovetti, J., Ammirante, P., & Russo, F. A. (Submitted). Human Mirror Neuron Responsivity to Unimodal and Multimodal Presentations of Action.

**Copelli, F.**, Behar, A., Ngoc Le, T., & Russo, F. A. (2020). Field Attenuation of Foam Earplugs. *Safety and Health at Work*, ISSN 2093-7911, <https://doi.org/10.1016/j.shaw.2020.09.006>

Behar, A., Rovetti, J., Abdoli-Eramaki, M., **Copelli, F.**, & Russo, F.A. (2019). Listening effort in eateries. Proceedings of Acoustics Week in Canada. Canadian Acoustics, 47(3), 28, Edmonton, AB.

Ammirante, P., & **Copelli, F.** (2019). Vowel formant structure predicts metric position in hip-hop lyrics. *Music Perception: An Interdisciplinary Journal*, 36(5), 480-487. DOI: 10.1525/mp.2019.36.5.480

## PRESENTATIONS

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Gilmore, S., Nespola, G., **Copelli, F.**, & Russo, F.A. (July, 2021). Subjective groove modulates neural entrainment in premotor and auditory regions. Oral presentation at the International Conference on Music Perception and Cognition Meeting (ICMPC16-ESCOM11). Virtual meeting.

Rovetti, J., **Copelli, F.**, Wood, E.A., Gilmore, S., & Russo, F.A. (November, 2020). Speech emotion activates the pre-supplementary motor area. Poster presentation at the 19th Annual Auditory Perception, Cognition, and Action Meeting. Virtual meeting.

Gilmore, S., **Copelli, F.**, Dang, C., & Russo, F. A. (November, 2020). Rhythmic auditory stimulation for motor therapy in a quadriplegic: A case study. Poster presented at the annual NeuroMusic Conference hosted by McMaster University. Virtual meeting.

Gilmore, S., **Copelli, F.**, Dang, C., & Russo, F. A. (October, 2020). Rhythmic auditory stimulation for motor therapy in a quadriplegic: A case study. Oral presentation via Zoom for the bimonthly meeting of the Applied Cognitive Neuroscience Group. Psychology Dept., Ryerson University, Toronto, ON.

**Copelli, F.**, Rovetti, J., & Russo, F. A. (May, 2020). EEG analysis of the mirror neuron system in humans. Oral presentation via Zoom for the bimonthly meeting of the Applied Cognitive Neuroscience Group. Psychology Dept., Ryerson University, Toronto, ON.

**Copelli, F.**, Rovetti, J., & Russo, F. A. (May, 2020). Investigating involvement of the action-observation network in audition using EEG. Oral presentation at the 4th Meeting of the Toronto Auditory Research Group. Toronto, ON. [Conference cancelled due to COVID19]

Good, A., **Copelli, F.**, Pachete, A., & Russo, F. A. (November, 2019). Group singing, but not private singing, elevates mood and increases oxytocin in older adults. Poster presented at the annual NeuroMusic Conference. McMaster University, Hamilton, ON.

Behar, A., **Copelli, F.**, Ngoc-Le, T., & Russo, F. A. (August, 2019). Field Assessment of Hearing Protectors' Attenuation. Conference on Acoustics, Audio and Sound. University Tres de Febrero, Buenos Aires, Argentina.

Pachete, A., Good, A., **Copelli, F.**, & Russo, F. A. (August, 2019). The effects of group singing on pain threshold and beta-endorphins in older adults with and without Parkinson's disease. The Society of Music Perception and Cognition (SMPC) Conference. New York University, New York, NY.

Good, A., Pachete, A., Kreutz, G., Fiocco, A., **Copelli, F.**, & Russo, F. A. (August, 2019). Group singing improves psychosocial wellbeing in older adults. The Society of Music Perception and Cognition (SMPC) Conference. New York University, New York, NY.

Behar, A., **Copelli, F.**, & Russo, F. A. (July, 2019). Field Attenuation of Foam Earplugs. Proceedings of the 26th International Congress on Sound and Vibration. Concordia University, Montreal, QC.

**Copelli, F.**, Rovetti, J., & Russo, F. A. (June, 2019). Internal simulation of speech emotion. The Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) Conference. University of Waterloo, ON.

- Copelli, F., & Behar, A. (October, 2018).** Field Assessment of Hearing Protectors' Attenuation. Invited talk at the Occupational Hygiene Association of Ontario (OHAO) Symposium. Mississauga, ON.
- Russo, F. A., Schutz, M., & **Copelli, F.** (July, 2018). Event-related desynchronization of the mu rhythm in experts and non-experts during audio, visual, and audio-visual perception of percussion. Paper at **Canadian Society for Brain, Behavior and Cognitive Science. St. John's, NL.**
- Rovetti, J., Nurgitz, R., **Copelli, F.**, Goy, H., & Russo, F. A. (February, 2018). Using functional near-infrared spectroscopy to measure cognitive load in the auditory domain. Poster presented at the annual Lake Ontario Visionary Establishment Conference. Niagara Falls, ON.
- Rovetti, J., Nurgitz, R., **Copelli, F.**, Goy, H., & Russo, F. A. (November, 2017). Using functional optical neuroimaging to measure auditory working memory load. Poster presented at the annual NeuroMusic Conference. McMaster University, Hamilton, ON.
- Copelli, F.**, Ammirante, P., Schutz, M., & Russo, F. A. (July, 2018). Hearing (and seeing) the beat of a different drummer: Event-related desynchronization in the action observation network. Poster presented at the International Conference on Music Perception and Cognition. Concordia University, Montreal, QC.
- Copelli, F.**, Ammirante, P., Schutz, M., & Russo, F. A. (June, 2017). Hearing (and seeing) the beat of a different drummer: Audio-visual facilitation of the action observation network. Poster presented at the Neurosciences and Music Conference VI: Mariani Foundation. Harvard Medical School, Boston, MA.
- Copelli, F.**, Ammirante, P., Schutz, M., & Russo, F. A. (November, 2016). Multimodal facilitation of the action-observation network in a musical context. Poster presented at the 12th Annual Neuromusic Conference. McMaster University, Hamilton, ON.
- Copelli, F.**, Ammirante, P., Schutz, M., & Russo, F. A. (May, 2016). Visual biological modulation of the mu band. Poster presented at the Ontario Psychology Undergraduate Thesis Conference. Laurier University, Waterloo, ON.
- Copelli, F.**, Ammirante, P., Schutz, M., & Russo, F. A. (April, 2016). Visual biological modulation of the mu band. Poster presented at the Ryerson Psychology Undergraduate Thesis Poster Day. Ryerson University, Toronto, ON

## **SPECIALIZED TRAINING**

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- MATLAB and EEGLAB
- SPSS
- Microsoft Office
- Adobe Suite
- Basic Python
- Basic R
- Neuroimaging (EEG, fNIRS)
- Neurophysiological (Biopac — FFR, EEG, SCR, EMG)

## **VOLUNTEER WORK**

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- Volunteer, Science Rendezvous (Ryerson University, 2017-2019)
- Note Taker, RU! Noted (Ryerson University, 2014-2015)
- Co-editor, The Continuist (Ryerson University, 2011-2013)