

Nicola Sambuco

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Google Scholar: <https://scholar.google.com/citations?user=S7wa2QwAAAAJ&hl=en>

Academic Position:

Research Assistant Scientist: **2020-current**
Department of Clinical and Health Psychology
University of Florida, Gainesville

Post-Doctoral Associate: **2017-2020**
Center for the Study of Emotion and Attention
University of Florida, Gainesville
Supervisors: Margaret M. Bradley and Peter J. Lang

Ph.D. in Psychological Sciences **2017**
Department of Psychology
Alma Mater Studiorum, University of Bologna, Italy
Supervisor: Maurizio Codispoti

M.S. in Psychology **2013**
Department of Psychology
D'Annunzio University, Chieti, Italy

B.C. in Psychological Sciences and Techniques **2012**
Department of Psychology
D'Annunzio University, Chieti, Italy

Individual Fellowships:

2020 Clinical and Translational Science Institute (CTSI) at UF: Rapid-Response Translational Research Project to Address COVID-19.
Exposure to COVID-19 trauma and risk factors for developing psychopathology.
Role: PI; Co-PI: Carol Mathews
Indirect costs: \$ 100.000

2019 Center for OCD, Anxiety and Related Disorders (COARD) – Pilot Grant
Trans-diagnostic trauma in anxiety and mood disorder patients: White matter integrity in sensory and emotional processing.
Role: PI; Advisors: Margaret M. Bradley & Peter J. Lang
Indirect costs: \$ 25.000

Publications

*equal contribution as first author

- 2021 8. **Sambuco, N.** Sex differences in the aging brain? A voxel-based morphometry analysis of the hippocampus and the amygdala. *NeuroReport*, 32(16), 1320-1324. <https://doi.org/10.1097/WNR.0000000000001728>
7. **Sambuco, N.**, Bradley, M.M., & Lang, P.J. Trauma-related dysfunction in the fronto-striatal reward circuit. *Journal of Affective Disorders*, 287, 359-366. <https://doi.org/10.1016/j.jad.2021.03.043>
- 2020 6. **Sambuco, N.**, Costa, V.D., Lang, P.J., & Bradley, M.M. Assessing the role of the amygdala in fear of pain: Neural activation under threat of shock. *Journal of Affective Disorders*, 276, 1142-1148.
5. **Sambuco, N.**, Costa, V.D., Lang, P.J., & Bradley, M.M. Aversive perception in a threat context: Separate and independent neural activation. *Biological Psychology*, 145, 107926.
4. **Sambuco, N.**, Bradley, M.M., Herring, D.R., & Lang, P.J. Common circuit or paradigm shift? The functional brain in emotional scene perception and emotional imagery. *Psychophysiology*, 54 (4), e13522.
3. **Sambuco, N.**, Bradley, M.M., Herring, D.R., Hillbrandt, K., & Lang, P.J. Transdiagnostic trauma severity in anxiety and mood disorders: Functional brain activity during emotional scene perception. *Psychophysiology*, 57(1), 1-12.
- 2019 2. Padmala, S., **Sambuco, N.**, Pessoa, L. Interactions between reward motivation and emotional processing. *Progress in Brain Research*, 247, 1-21.
- 2018 1. Padmala*, S., **Sambuco***, N., Codispoti, M., Pessoa, L. Attentional capture by simultaneous pleasant and unpleasant emotional distractors. *Emotion*, 18(8), 1189–1194.

Preprints

Sambuco, N., Mickle, A. M., Garvan, C., Cardoso, J., Johnson, A., Kusko, D. A., ... Sibille, K. T. Vulnerable dispositional traits and chronic pain: Predisposing but not predetermining. <https://doi.org/10.31234/osf.io/9m65c>

Manuscripts under review

Sambuco, N., Bradley, M.M., Lang, P.J. Narrative imagery: Emotional modulation in the default mode network.

Sambuco, N. fMRI replicability during emotional scene viewing: Functional regions and sample size.

Chapters

Bradley, M.M., **Sambuco, N.**, & Lang, P.J. Affective Perception: The Power is in the Picture (in press).

Conference Presentations

2021 **Sambuco, N., Mickle, A. M., Garvan, C., Cardoso, J., Johnson, A., Kusko, D. A., ... Sibille, K. T.** (in review). Predisposing, but not Predetermining, Dispositional Traits and Chronic Pain. IASP (International Association for the Study of Pain) 2021 World Congress on Pain, 9-11 June and 16-18 June 2021. *Poster*

2019 **Sambuco, N., Bradley, M.M., Lang., P.J.** Trauma severity across the internalizing disorders spectrum: brain function and structure. Society for Psychophysiological Research (SPR), Washington D.C., USA. *Talk – Big Questions.*

Sambuco, N., Bradley, M.M., Hillbrandt, K., Lang., P.J. Functional brain activity during emotional imagery and perception: A within-subject assessment. Society for Psychophysiological Research (SPR), Washington D.C., USA. *Poster.*

Sambuco, N., Bradley, M.M., Dominguez., V., Lang., P.J. Trauma severity: brain functional and structural correlates in patients with anxiety and mood

disorder. Society for Psychophysiological Research (SPR), Washington D.C., USA. *Poster*.

2018 **Sambuco, N.**, Bradley, M.M., Hillbrandt, K., Dominguez., V., Lang., P.J. Trauma and functional brain activity during emotional imagery. Society for Psychophysiological Research (SPR), Quebec City, Canada. *Poster*.

Sambuco, N., Bradley, M.M., Hering, D., Lang., P.J. Emotional Perception and Imagery: Overlapping and Distinct Neural Networks. Society for Psychophysiological Research (SPR), Quebec City, Canada. *Poster*.

Sambuco, N., Bradley, M.M., Hillbrandt, K., Dominguez., V., Lang, P.J. Functional brain response during imagey in social phobia. American and Depression Association of America, Washington D.C., USA. *Poster*.

2017 **Sambuco, N.**, Bradley, M.M., Sege, C., Hillbrandt, K., Henderson, R., & Lang, P.J. Anxiety on the Brain: Emotional Scene Viewing and Neural Activation. Society for Psychophysiological Research (SPR), Vienna, Austria. *Poster*.

Henderson., R., Bradley, M.M., Sege., C., Dominguez., V., Hillbrandt, K., Keil., A., **Sambuco, N.**, Lang., P.J. Alpha power and emotional reactivity during narrative imagery. Society for Psychophysiological Research (SPR), Vienna, Austria. *Poster*.

Sambuco, N., De Cesarei, A., Ferrari, V., Micucci, A., Codispoti., M. Electro cortical responses to appetitive and aversive pictures: motivational gradients and temporal stability. Society for Psychophysiological Research (SPR), Vienna, Austria. *Poster*.

2016 **Sambuco, N.**, Padmala, S., Codispoti, M., & Pessoa, L. (2016). Can reward counteract the effects of emotional distracters? Second International Meeting of the Psychonomic Society, Granada, Spain. *Poster*.

Membership in international societies

Society for Psychophysiological Research (SPR)

American Psychological Association (APA)

Anxiety and Depression Association of America (ADAA)

Ad-hoc reviewer

Human Brain Mapping

Neuroimage

Psychophysiology

Cortex

Scientific Report

Behavioral Brain Research

PlosONE