Laura Ferreri, PhD
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I am a researcher in the music and neuroscience domain. My research focuses on the study of musical reward, emotions, and memory via behavioral, neuroimaging (fNIRS), and pharmacological approaches.

DEGREES & ACADEMIC POSITIONS

Current position:
2022 - present: Professor (Assistant), University of Pavia

Previous positions:
2018 - present: Professor (Associate), University of Lyon
2015-2018: Post-Doc & Profesor Asociado, Brain Cognitin & Plasiticty Unit, Universitat de Barcelona, Spain
2014-2015: Post-Doc Assistant Professor in Cognitive Psychology, Université de Bourgogne, France
2011-2014: Early Stage Researcher, Marie Curie FP7 Initial Training Network, LEAD CNRS, France

Diplomas & University degrees:
2014: PhD in Cognitive Psychology (LEAD CNRS, Université de Bourgogne, Dijon, France – très honorable)
2011: M. Sc. In Cognitive Neuroscience (Università San Raffaele, Milan, Italy – 110/110L and honor mention)
2009: Bachelor's Degree in Psychological Sciences (Università San Raffaele, Milan, Italy – 110/110)
2006: Classical Liceum Diploma (Istituto Salesiano Treviglio, Italy – 100/100)

SCIENTIFIC ACTIVITY

• **Selected Scientific Publications** (Scholar complete record)
*for shared first authorship

Fiveash, A., **Ferreri, L.*,** Bouwer, F. L., Kösem, A., Moghimi, S., Ravignani, et al. (2023). Can rhythm-mediated reward boost learning, memory, and social connection? Perspectives for future research. *Neuroscience & Biobehavioral Reviews*, 105153. https://doi.org/10.1016/j.neubiorev.2023.105153

Ferreri, L., & Rodriguez-Fornells, A. (2022). Memory modulations through musical pleasure. *Annals of the New York Academy of Sciences*. https://doi.org/10.1111/nyas.14867

Ferreri, L., Singer, N.*, McPhee, M., Ripollés, P., Zatorre, R. J., & Mas-Herrero, E. (2021). Engagement in music-related activities during the COVID-19 pandemic as a mirror of individual differences in musical reward and coping strategies. Frontiers in Psychology, 12, 673772. https://doi.org/10.3389/fpsyg.2021.673772

Cardona, G., Rodriguez-Fornells, A., Nye, H. Rifá-Ros, X., **Ferreri, L.** (2020). The impact of musical pleasure and musical hedonia on verbal episodic memory. *Scientific Reports,* 10, 16113. https://doi.org/10.1038/s41598-020-72772-3

Ferreri, L., Mas-Herrero, E., Zatorre, R. J., Ripollés, P., Gomez-Andres, A., Alicart, H., et al. (2019). Dopamine modulates the reward experiences elicited by music. *Proceedings of the National Academy of Sciences*, 116(9), 3793-3798. https://doi.org/10.1073/pnas.1811878116

Ripollés, P.*, **Ferreri, L.*,** Mas-Herrero, E., Alicart, H., Gómez-Andrés, A., Marco-Pallares, J., et al. (2018). Intrinsically regulated learning is modulated by synaptic dopamine signaling. *eLife*, 7, e38113. DOI: 10.7554/eLife.38113

Ferreri, L., & Verga, L. (2016). Music benefits on verbal learning and memory: When and how does it work? *Music Perception*, 34(2), 167-182. https://doi.org/10.1525/mp.2016.34.2.167

Ferreri, L., & Rodriguez-Fornells, A. (2017). Music-related reward responses predict episodic memory performance. Experimental Brain Research, 235(12), 3721-3731. https://doi.org/10.1007/s00221-017-5095-0

Ferreri, L., Bigand, E., Perrey, S., Muthalib, M., Bard, P., & Bugaiska, A. (2014). Less effort, better results: how does music act on prefrontal cortex in older adults during verbal encoding? An fNIRS study. Frontiers in human neuroscience, 8, 301. https://doi.org/10.3389/fnhum.2014.00301

Ferreri, L., Aucouturier, J. J., Muthalib, M., Bigand, E., & Bugaiska, A. (2013). Music improves verbal memory encoding while decreasing prefrontal cortex activity: an fNIRS study. Frontiers in human neuroscience, 7, 779. https://doi.org/10.3389/fnhum.2013.00779

- **>40 oral communications & posters**
- **4 granted projects as Principal Investigator** (tot 355k €)
- **Peer reviewing** for >20 journals (Q1, Q2)
- **Evaluation of scientific projects for**: German MPI, French ANR
- **Editor for**: Advances in Cognitive Psychology; Frontiers in Auditory Neuroscience; Frontiers in Psychology
- **Scientific board for international scientific events** (JEV 2020 Lyon, workshops)

TEACHING ACTIVITY

- **Qualifications**: Italy, ASN Associate Professor (PSI01) 2022 • Spain, AQU Lecturer 2017 • France, MCF Section 69 (Neuroscience) 2017 • France, MCF Section 16 (Psychology) 2015

- **Courses**: Cognitive Psychology ; Experimental Psychology ; Psychobiology ; Cognitive Neuroscience ; Psychology of Music ; Neuroscience of Music.
  Tot: > 1000 hours teaching in Bachelor's, Master Degrees, Doctoral School
  Universities of: Bourgogne, Barcelona, Lyon, Pavia
  Classes in: English, French, Italian, Spanish

- **Supervision**:
  3 PhD Thesis (2019-present)
  >40 Master Thesis (2015-present)

DISSEMINATION ACTIVITIES

Selected dissemination events:

2023: Festival Salute Repubblica (Rome, IT)
2022; 2023: Musica & Scienza - Orchestra Sinfonica di Milano (Milano, IT)
2022: Rai Scuola – Newton (Television Program, IT)
2021: Pop'Science, Jazz à Vienne (Vienne, FR)
2020: 80 years of CNRS (Lyon, FR)
2019: TEDx (Milano, IT)

Selected press:

Repubblica (It), 2023
Focus (It), 2022
The Huffington Post (Fr), 2020
Le Figaro (Fr), 2020
Inverse (Eng), 2019
Psychology Today (Eng), 2019
El Mundo (Esp), 2019
La Vanguardia (Esp), 2019