
Juliette Greco

Postdoctoral researcher

Details

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Discipline(s)

Neurosciences

Activities / CV

MY ACTIVITIES

Juliette Greco is a researcher in Neurosciences at the Lyfe Institute Research Center. During her PhD, she conducted innovative work on brain aging, developing a novel cognitive remediation method based on odors. Currently, she focuses on identifying the mechanisms of human olfactory memory, using advanced statistical and artificial intelligence techniques.

BACKGROUND

- 2024-2025 - Postdoctoral Researcher, Lyfe Institute Research Center in partnership with the Lyon Neuroscience Research Center and L'Oréal Research and Innovation. **Topic:** Identifying key predictors of odor memorability using statistical and machine learning tools. **Funding:** L'Oréal Research and Innovation. **Supervision:** Dr Anne-Lise Saive et Dr Jane Plailly.
- 2022-2023 - Neuroscience Researcher, Lucine, Bordeaux. **Topic:** Development of new digital therapies (DTx) to relieve chronic pain in women living with endometriosis. **Supervision:** Dr Garance Dispersyn et Pr Serge Marchand
- 2018-2021 - PhD Student in Neurosciences, University Claude Bernard Lyon 1 (France), Lyon Neuroscience Research Center, Diploma delivered by the Cognitive Neuroscience PhD school of Lyon. **Topic:** Development of an original and innovative project aimed at better understanding and improving brain function during aging through odors. **Funding:** E. Roudnitska Foundation, under the aegis of the Fondation de France. **Advisors:** Dr Marion Richard et Pr Anne Didier.

PUBLICATIONS

Terrier, Greco-Vuilloud et al. (2024). Long-Run Olfactory Enrichment Promotes Non-Olfactory Cognition, Noradrenergic Plasticity And Remodeling Of Brain Functional Connectivity In Older Mice. *Neurobiol. Aging*.
<https://doi.org/10.1016/j.neurobiolaging.2024.01.011>

Fougère, Greco-Vuilloud et al. (2023). Sensory Stimulations Potentializing Digital Therapeutics Pain Control. *Front. Pain Res.*, 4:1168377. <https://doi.org/10.3389/fpain.2023.1168377>

Merlot et al. (2022). Pain Reduction With an Immersive Digital Therapeutic Tool in Women Living With Endometriosis-Related Pelvic Pain: Randomized Controlled Trial. *JMIR*, 24(9):e39531. <https://doi.org/10.2196/39531>

Greco-Vuilloud, Midroit et al. (2022). 12 months is a pivotal age for olfactory perceptual learning and its underlying neuronal plasticity in aging mice. *Neurobiol. Aging*.

Additional information

MY RESEARCH IN KEY WORDS

Neurosciences - Memory - Olfaction - Artificial Intelligence - Machine Learning

DETAILS

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