

Marco POMPILI

Curriculum Vitæ

Institut de Neurosciences des Systèmes

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I am a neurophysiologist interested in understanding how neuronal networks process information and give rise to cognition and behavior, in both health and disease. This interest developed through an international training trajectory (Università di Pisa, University College London, École Normale Supérieure, Collège de France), during which I engaged with diverse research themes—including ethology, systems neurophysiology, psychiatric disorders, epilepsy, and neural theory—and a broad range of methodologies such as optogenetics, genomics, electrophysiology, and data science. This work has led to 6 publications as first author, 3 as last author, and 4 manuscripts submitted/in preparation as last author. My record of mentorship, leadership, and funding acquisition demonstrates research independence, as I lead a group currently comprising two PhD students, one postdoc, two research assistants, and one M2 student.

Education

- 2015–2019 **PhD in Neuroscience**, *Collège de France*, Paris, France.
- 2013–2014 **M2 in Integrative Biology and Physiology**, *Sorbonne Université*, Paris, France.
- 2011–2012 **MSc in Brain & Mind Science**, *Institute of Neurology – University College London*, UK.
- 2011–2014 **Diplôme de l'École Normale Supérieure**, *ENS - Paris*, France.
- 2008–2011 **BSc in Ecology and Biodiversity Science**, *Università di Pisa*, Italy.
- 2002–2007 **Baccalaureate, Science curriculum**, *Liceo Terenzio Mamiani*, Rome, Italy.

Research Experience

- 2024 – today **Junior PI**, *Institut de Neurosciences des Systèmes (INS)*, PhysioNet team, Marseille, France.
- 2021 – 2024 **Postdoc**, *Christophe Bernard lab*, Institut de Neurosciences des Systèmes (INS), Marseille, France.
- 2020 – 2021 **Postdoc**, *Michaël Zugaro lab*, Collège de France, Paris, France.
- 2015 – 2019 **PhD**, *Sidney Wiener & Thérèse Jay labs*, Collège de France & Centre de Psychiatrie et Neurosciences, Paris.
- 2013 – 2014 **M2 project**, *same labs as above*.
- 2011 – 2012 **MSc thesis**, *Benedetto De Martino lab*, UCL, London, UK.
- 2011 – 2012 **MSc library project**, *Peter Dayan lab*, UCL, London, UK.
- 2010 – 2011 **BSc thesis**, *Kate Jeffery lab*, UCL, London, UK.

Teaching and Mentoring

- start in 2026 **Teacher**, *Aix-Marseille Université*, Systems Neuroscience (M2).
- since 2015 **Mentorship/Supervision**, 6 PhD students (3 official co-supervisions with P. Quilichini), 10 M2 projects, 9 research assistants (5-10 months contracts), 9 M1/undergrad internships (2-3 months projects).
- 2015 – 2019 **Teacher**, *Université Paris Cité*, [128 hours taught], Neurophysiology and Endocrinology (L3 and M1).
- 2015 – 2018 **Tutor**, *Ecole Normale Supérieure*, [96 hours taught], Dual Master in Brain and Mind Science.

Management and Responsibility positions

- 2026 – today **Member**, *steering committee*, evolution of "GDR NeuralNet" national consortium.
- 2025 – today **Representative of Unité de Recherche**, *management committee*, CEFOS platform, AMU medical faculty.
- 2025 – today **Scientific Lead**, *WP2, INSERM Impact Santé project "Nautilus"*, PI: C. Bernard.
- 2024 – 2025 **Session organizer and Chair**, 2025, Hippocampal Spring Meeting.
- 2022 – 2023 **Member**, *scientific/organization committee*, GDR NeuralNet 2023 conference.
- 2021 – today **Manager**, *scientific computing facility*, Physionet (INS).
- 2019 – 2021 **Member**, *animal research ethical committee (SBEA)*, CIRB institute.
- 2019 – 2021 **Manager**, *rat chronic surgery and housing facility*, CIRB institute.
- 2017 – 2021 **Representative**, *PhD students and post-docs*, CIRB institute.
- 2015 – 2019 **Technical Manager**, *NeuroFabLab facility*, director: G. Dugué, Paris, France.
- 2016 – 2017 **Representative**, *PhD students*, ED3C graduate school board.

Main Grants

- pending eval. **Agence Nationale de la Recherche**, *ANR JCJC*, PI, 675k€.
- 2025 **Agence Nationale de la Recherche**, *ANR monoéquipe*, co-PI, 430k€.
- 2023 **Fondation Française pour la Recherche sur l'Epilepsie**, *bourse FFRE*, PI, 60k€.
- 2018 **Fondation Pierre Deniker**, *bourse recherche*, PI, 20k€.
- 2017 **Labex MemoLife**, *AAP Inter-Etablissements*, main writer and coordinator, 145k€.
- 2015 **Université PSL**, *PhD fellowship*, 120k€.