

Della Vecchia, Mattia

PhD student in Computational Neuroscience
Paris, FR

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Education

Ph.D. in Computational Neuroscience

École Normale Supérieure, PSL University

Paris, France

10/2022 - Present

M.Sc. in Physics of Complex Systems

Sorbonne UPMC, Paris Saclay, Paris Diderot

Paris, France

10/2020 – 07/2021

GPA: 19/20 - Mention - Très bien

M.Sc. in Physics of Complex Systems

Turin, Italy

Politecnico di Torino

10/2019 – 10/2021

Final Mark: 110/110 cum Laude

B.Sc. in Physical Engineering

Turin, Italy

Politecnico di Torino

10/2016 – 07/2019

Final Mark: 110/110

Research

Ph.D.

10/2022 – Present

Group for Neural Theory

Department of Cognitive Science, École Normale Supérieure

Professor N. Alex Cayco Gajic

Research Assistantship

10/2021 – 10/2022

Group for Neural Theory

Department of Cognitive Science, École Normale Supérieure

Professor N. Alex Cayco Gajic

Master Thesis

02/2021 – 07/2021

Theoretical neuroscience and biophysics team

Department of Physics, École Normale Supérieure

Professor Vincent Hakim

Bachelor Thesis

03/2019 – 06/2019

Microtechnology for Neuroelectronics

Italian Institute of Technology

Professor Luca Berdondini

Teaching

Theoretical system biology, IMALIS, École Normale Supérieure

(2023-2025)

Advanced Data Analysis, IMALIS, École Normale Supérieure

(2022-2025)

Quantitative Viral Dynamics , IMALIS, École Normale Supérieure	(2022-2025)
Math and computer science introduction , IMALIS, École Normale Supérieure	(2022-2023)

Others

Organizer

Biologically plausible learning in artificial neural networks workshop, Bernstein conference, Berlin 09/2023

Attendee

Winter School in Learning and Plasticity in Neuronal Networks, QLife, Paris 03/2024

OCNC Summer School in Computational Neuroscience, OIST, Okinawa 06/2023 - 07/2023

Spring College in the Physics of Complex Systems, ICTP, Trieste 02/2021 - 03/2021

Visiting Student

SISSA, Trieste 09/2019 - 02/2020

ICTP, Trieste 09/2019 - 02/2020

Awards

<i>QLife Ph.D. grant</i> by PSL-QLife Institute	2021
<i>Master Thesis Project Abroad</i> by Politecnico di Torino	2021
<i>ERASMUS Scholarship Programme</i>	2020
<i>PCS International Track admission</i> (selective double degree master course France-Italy)	2019

Skills

Languages

Mother Tongue: Italian

Fluent: English, French

Intermediate: Spanish

Programming

Proficient in: Python, LaTeX, Microsoft Office

Familiar with: Julia, bash