Marion CHAUVEAU

CONTACTS

marion.chauveau@espci.fr
Paris, France
Website

EDUCATION

2022 – 2025
PhD in Biological Physics
Grenoble-Alpes University, France
ESPCI Paris, France

2021 – 2022
MSc in Applied Mathematics
Mathématiques/Vision/Apprentissage
ENS Paris-Saclay, France

2020 – 2021
MSc in Physics
Soft Matter and Biological Physics
ENS-ICFP, Paris, France

2019 – 2020
BSc in Physics
ENS Paris-Saclay, France

EXPERTISE

Methodological
Statistical and Machine Learning
Data Analysis

Technical Skills
Python - LaTeX - Git

LANGUAGES

French - Native
English - Fluent (C1)

RESEARCH INTERESTS

Interested in applying **Machine Learning** and **Statistical Physics** to **Biology, Medicine and the Social Sciences**.

CURRENT POSITION

October 2025 – January 2026
Postdoctoral researcher
Gulliver Laboratory, ESPCI Paris, France

Main projects:

- Overcome undersampling-induced biases in generative models for protein sequences
- Investigate protein properties with statistical models

RECENT WORKS

Marion Chauveau. Generative models for protein sequences. PhD thesis manuscript.

Marion Chauveau *et al.* Overcoming undersampling-induced biases in generative models for protein sequences. In Preparation.

Paul Guénon, **Marion Chauveau** *et al.* Allostery without Large Motions: Molecular Dissection of a Minimal-Shift MWC Allosteric Regulation. In Preparation.

Marion Chauveau, Antoine Mazarguil, Laurent Oudre. Graph dictionary learning for the study of human motion. In Proceedings of the 46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), 2024, pp. 1–5.

TEACHING

2023 – 2024
Oral examination in Physics and Chemistry (CPGE ”Khôlle”)
Lycée Descartes, Tours, France

September 2023 – December 2023
Practical works in Physics for L1 students
Sorbonne University, Paris, France

September 2023 – December 2023
Numerical projects in Physics for L1 students
Sorbonne University, Paris, France