

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

2020 – 2021

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:

- Overcoming 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](#).

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