

# 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