

# BERARD ADRIEN

MASTER STUDENT · MASTER 1 PHYSIQUE FONDAMENTALE ET APPLICATIONS

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## Education

### Sorbonne University

MASTER IN FUNDAMENTALS PHYSICS - MAJOR IN STATISTICAL PHYSICS AND QUANTUM  
MECHANICS-MINOR IN ARTIFICIAL INTELLIGENCE AND BIOPHYSICS

Paris

2022 - present

### PSL University - Henri IV High School

BS UNDERGRADUATE DEGREE CPES MAJOR IN EXPERIMENTAL SCIENCES

Paris

2019 - 2022

## Research Experience

### University of Copenhagen - Dept of Biology

SUPERVISORS: DR. GENEVIEVE THON, DR. KIM SNEPPEN

Copenhagen

Feb. 2024 - Present

- Research internship: "Dynamics and kinetics of heterochromatin in fission yeast using liquid-liquid phase separation theory and molecular biology experiments"

### Sorbonne University- Paris - Laboratoire Jean Perrin

SUPERVISOR: DR. MAXIME DEFORET

Paris

Spring 2023

- Research internship: "Experimental study of swarming behavior of *Pseudomonas aeruginosa* using microscopy and image analysis"

### ESPCI- Physics for medicine lab

SUPERVISORS: DR. MATHIEU PERNOT, DR. OLIVIER PEDREIRA

Paris

Fall 2022

- Research internship: "Multiparameters' evaluation of cardiac dynamic using ultra-fast echocardiography"

### Collège de France - Centre Interdisciplinaire de Recherche en Biologie

SUPERVISORS: DR. OLIVIER RIVOIRE, DR. MAITANE MUNOZ BASAGOITI

Paris

Fall 2021

- Internship duties : Molecular dynamics simulation of a minimal elastic catalyst model

## Teaching Experience

2023	High School mathematics, chemistry, physics, computer science, Private tutor	Paris
2023	Middle School mathematics, Private tutor	Paris
2022	High School mathematics, Private tutor	Paris
2022 - 2023	BS CPES mathematics, physics, chemistry, Tutor	Paris
2022	High school physics, chemistry, biology, Private tutor	Moulins
2018	Middle School mathematics, Private tutor	Moulins