



Thania HAMMOUM

PHD STUDENT IN BIOCHEMISTRY
AT PHYMEDEXP - MONTPELLIER
UNIVERSITY

CONTACT INFORMATION

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PERSONAL PROFILE

- Born November 4th, 2000
- Hobbies and interests: Sport, photography, documentation and travel.

BASIC SKILLS

- Understanding of good laboratory practice.
- Good theoretical and experimental skills acquired through **90 hours** of practical laboratory work as part of the "Technical Platforms: **Biochemistry, Molecular Biology, Cell Biology, and Immunology**" teaching unit in my third year Bachelor's degree.
- Teamwork, organization, and time scheduling.
- Good command of office software: **Excel, PowerPoint, and Word,**
- Correct use and constant updating of the electronic lab notebook: **labguru**
- Use of 3D protein structure comparison and prediction software: **UniProt, NCBI, Phyr², SwissModel, PyMol.**
- Use of image processing software: **ImageJ**

Language skills :

- **French:** reading, speaking and writing
- **English:** Level B2 - TOEIC score: 845/990
- **Kabyle:** mother tongue
- **Arabic:** reading, speaking and writing



PROFESSIONAL EXPERIENCE

Assistant Engineer at "Inside Therapeutics" (Fixed-Term Contract)

- **July 2024 - August 2024 -Bordeaux, 33**
- Synthesis and characterization of organic nanoparticles (RNA-LNP, liposomes, PLGA).
- Inventory and order management; Setting up the laboratory space; Establishing and drafting protocols

M2 internship at "Inside Therapeutics"

- **January 2024 - July 2024 -Bordeaux, 33**
- Synthesis of organic nanoparticles (RNA-LNP, liposomes, PLGA).
- Nanoparticle characterization: size and PDI measurement using **DLS** (Malvern Nano ZS and Cordouan Vasco Kin), then evaluation of encapsulation efficiency using Quant-iT™ RiboGreen™ RNA.

M1 internship at "Institut Européen de Chimie et Biologie" (IECB) - INSERM

- **April 2023 - June 2023 -Bordeaux, 33**
- Production and purification of an intrinsically disordered protein (IDP) to study its behavior and interactions using the single molecule FRET technique.
- Directed mutagenesis by PCR, bacterial cultures, expression, extraction, purification of the recombinant protein by chromatography (**F/HPLC, IMAC**), and **electrophoresis**.

French Blood Establishment (EFS) - Temporary laboratory employee.

- **September 2022 - to date - Bordeaux, 33**
- **February 2021 - July 2022- Nantes, 44**
- Primary processing of blood transfusion bags, platelets, and plasma: leukodepletion, centrifugation, and separation of different blood components.

Internship at "Biological Sciences and Biotechnologies Unit" (US2B) UMR CNRS 6286

- **November 2021 - April 2022 - Nantes, 44**
- Production and purification of a recombinant protein for use as a vaccine against *Vibrio cholerae* infection.



ACADEMIC BACKGROUND

UF Biology - Bordeaux University

- **2022-2024** - Bordeaux, 33
Master 2 - Applied Molecular and Cellular Biochemistry

UFR Science and Technology - Nantes University

- **2019-2022** - Nantes, 44
Biology Bachelor's degree opt. Advanced Biology Training: Opt. Cellular and Molecular Biology: international program with scientific lectures in English.

UFR Medicine and Medical Techniques

- **2018-2019** - Nantes, 44
PACES - First Common Year of Health Studies.

French Baccalaureate, opt. life sciences, at the Alexandre Dumas International High School.

- **June 2018** - Algiers -ALGERIA