

Chaima ELEUCH – Biologist – Expert in Biochemistry & Microbiology

📍 Sfax, Tunisia

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🚗 Driving License – Category B



Career Objective

Motivated and detail-oriented biologist with a Master's degree in Biochemistry and Microbiology. Skilled in laboratory techniques and bioinformatics tools, with hands-on experience in molecular modeling, protein interactions, and quality control. Passionate about science and teamwork, seeking to contribute to innovative and impactful projects in a stimulating professional environment.

Skills

- Office Suite (Word, PowerPoint, Excel)
- Scientific data analysis and report writing

🔬 Laboratory Techniques:

- Microbiology: media preparation, microorganism isolation, identification, and culture
- Biochemistry & Molecular Biology: DNA extraction, PCR, electrophoresis, lab equipment handling

💻 Bioinformatics:

- Molecular modeling: MOE, SPDBViewer
- Scientific databases: Uniprot, PubChem, PDB, PROSITE, OMIM
- Molecular docking & dynamics: Gromacs, CHARMM-GUI
- Sequencing & alignment tools: MEGA X, BioEdit, NCBI, geneious, clc genomics

Languages

- French: Fluent (TCF C1: 577)
- English: Good reading, writing, and speaking skills
- Arabic: Native

Professional Experience

 Final Research Project | 2024 (10 months)

Center of Biotechnology of Sfax – LPCMC

- 3D modeling of GPI transamidase subunits using MOE and SPDB Viewer
- Protein-protein docking to study complex formation and stability
- Molecular dynamics to simulate biological behavior
- Database exploration (PDB, Uniprot, BLAST)

 Internship in Drug Design | 2023 (1 month)

Center of Biotechnology of Sfax – LPCMC

- Ligand screening using ZINC20, DrugBank, and PubChem
- Protein-ligand docking simulations with IGEMDOCK, MOE.
- Analysis of binding interactions and therapeutic potential

 Quality Control Internship | 2022

STPA and ALCO – La Rose Blanche Group


- Microbiological and physicochemical analysis of finished products
- Quality compliance assessment

 Medical Genetics Internship | 2020 (1 month)

Hedi Chaker Hospital, Sfax

- Karyotyping and FISH for chromosomal abnormality analysis
- DNA extraction, PCR, electrophoresis
- BCR-ABL: The test is used to diagnose and monitor chronic myeloid leukemia (CML).

Education

 Master's in Biochemistry and Microbiology | 2022–2024

Faculty of Sciences of Tunis

 Bachelor's in Molecular and Cellular Biology | 2019–2022

Faculty of Sciences of Sfax

 Baccalaureate in Experimental Sciences | 2019

Certificates

- Whole Genome Sequencing Workshop
- International Conference on Microbial Ecology
- 'Bacteria Orchestrate Life' Workshop