

# Amir BOUAZIZ

## Personal Information

Address: Friedrich-Ebert-Anlage 56 – Altstadt, 69117 Heidelberg  
Date/Place of Birth: 07.06.1995, Agareb, Tunisia  
Mobile: +49 15219224384  
E-Mail: amir.bouaziz.ab@gmail.com  
Nationality: Tunisian  
Marital status: Single  
Driving License: Category B, Issued in Tunisia (02.08.2021)



## Education & Academic Qualifications

- 01.2022 – 06.2024 **MSc Research in Molecular Medicine**  
📍 **University of Sousse, Faculty of Medicine, Ibn El Jazzar, Tunisia**  
- Field of study: New Technologies in Genetics, Immunology, and Microbiology  
- Thesis: *Whole Exome Data Analysis for Rare UV-Sensitive Syndromes* (18/20 - Excellent)
- 09.2021 – 12.2023 **MSc Research in Bioinformatics**  
📍 **Manouba University, Tunisia** (Consortium: National School of Computer Sciences, Institute Pasteur of Tunis, Higher Institute of Biotechnology of Sidi Thabet)  
- Field of study: Bio Data Analytics  
- Thesis: High-Throughput Genomic Data Analysis of Undiagnosed Phenotypes (18/20 - Excellent)
- 01.2022 - 10.2023 **Diploma of Complementary Studies**  
📍 **University of Monastir, Faculty of Pharmacy of Monastir, Tunisia**  
- Field of study: Research and Publication Methodology in Health Sciences  
- Thesis: Exploring dual and triplet genetic variants in nucleotide excision repair-related genes in Mild Xeroderma pigmentosum. (16/20 – Very good)
- 09.2018 – 06.2021 **BSc / LIC in Life Sciences (Cell & Molecular Biology, and Biotechnology)**  
📍 **Le Mans University, Faculty of Science and Technology, France;**  
📍 **University of Sfax, Faculty of Sciences of Sfax, Tunisia** (Co-Diplomation program)  
- Field of study: Cell and Molecular Biology and Biotechnology - Health & Technology

## Research & Professional Experience

- 03.2024 – 01.2025 **Berlin-Brandenburg Academy of Sciences and Humanities (BBAW), Hybrid – Tunisia & Germany**  
**Bio Data Analytics Researcher**  
• Led a collaborative project to develop a national patient database for skin cancer research  
• Managed genomic and clinical data integration across institutions
- 08.2024 – 11.2024 **Heidelberg University Hospital, Center for Infectious Diseases, Heidelberg - Germany**  
**Bioinformatics Research Associate** (International Research Mobility Program)  
• Conducted Multilocus Sequence Typing (MLST) analysis for microbial genomics  
• Performed sequence analysis using Biopython on the command line  
• Optimized bioinformatics workflows for high-throughput genomic data analysis  
• Contributed to the interpretation of sequencing data to identify microbial strains
- 06.2022 – 07.2024 **Institut Pasteur of Tunis, The Biomedical Genomics and Oncogenetics Laboratory, Tunis - Tunisia**  
**Research Assistant (Working student)**  
• Analyzed next-generation sequencing (NGS) data for Whole Exome Sequencing (WES), Whole Genome Sequencing (WGS), and Whole-Genome DNA Methylation (MGS)

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- Developed bioinformatics pipelines and conducted RNA-Seq analysis
- Assisted in scientific manuscript writing, grant proposals, and data interpretation

08.2021 – 09.2021

## **Center of Biotechnology of Sfax - Tunisia**

### **Research Intern, Molecular and Cellular Screening Process Laboratory**

- Performed genome annotation, sequence alignment, and phylogenetic analysis using Clustal Ω and MEGA

09.2020 – 07.2021

## **Self-employed, Agquareb-Sfax area, Hybrid - Tunisia**

### **Sales Representative & Promoter**

- Planned and implemented promotional campaigns to generate higher lead numbers
- Provided instruction and training to employees on executing advertising measures
- Represented the company at relevant events or in grocery stores

03.2021 – 04.2021

## **Department of Biology, Faculty of Sciences of Sfax, Tunisia**

### **Research Intern - Plant Biotechnology Laboratory**

- Gained hands-on expertise in cell manipulation techniques for plant biotechnology applications
- Applied tissue culture methodologies for plant propagation and genetic studies
- Conducted micropropagation experiments to enhance plant growth and conservation
- Practiced cryopreservation techniques to preserve plant genetic resources

07.2020 – 08.2020

## **University Hospital Center - Hedi Chaker of Sfax, Tunisia**

### **Clinical Research Intern – Blood Collection & Biochemistry**

- Assisted in medical records coding, specimen preparation, and biochemical analysis
- Interpreted experimental data and prepared patient case reports.

06.2019 – 08.2019

## **University Hospital Center - Habib Bourguiba of Sfax, Tunisia**

### **Research Intern – Autoimmunity & Immunogenetics Unit | Hematology Laboratory**

- Performed molecular biology techniques, including PCR, DNA extraction, and electrophoresis for immunogenetics research
- Conducted hematological experimental analysis, including blood cell morphology studies, biochemical assays, and immunoassays
- Executed clinical laboratory experiments to support autoimmune disease diagnostics

## Honors & Awards

- ✓ International Scholarship – AI in Biomedical Research (2024, Bonn, Germany)
- ✓ Resource-Limited Country Award – Human Genetics (2023, Washington DC, USA)
- ✓ National Scholarship for Academic Excellence (2022, Tunis, Tunisia)
- ✓ Student Entrepreneur Status (2021, Sfax, Tunisia)

## Further skills

Language skills	Arabic & French: Native   English: Advanced (B2+/C1)   Italian: Intermediate (B1)   German: A2 (In Progress)
IT & Digital skills	Python, Linux, Biopython, Galaxy, MEGA, ClustalΩ, RNA-Seq Pipelines , Microsoft Office, G-Suite, Canva Visualisation
Hobbies	Chess, swimming, reading, traveling
References	Available upon request.

Heidelberg, 28.02.2025

  
Amir BOUAZIZ