
Ghazi YAHYAOUÏ

Biologist / Medical Sales Representative /
SEO specialist

M.Sc. in Genetics and Immunology

B.Sc. in Biology



SUMMARY

A recent graduate with a Master's degree in Research in Genetics, Immunology, and Innovative Applications, following a Bachelor's degree in Biology. I am passionate about biological sciences, with valuable experience and a strong motivation to work in the field. My background includes comprehensive knowledge of cutting-edge research techniques and applications, making me well prepared to contribute effectively to scientific and research-based roles. Enthusiastic and dedicated, I am eager to bring my skills and expertise to a dynamic team.

PERSONAL DATA

Home address: Najah street – Al Yarmuk – Riyadh – KSA

Contact: Email : ghazi.yahyaoui@etudiant-fst.utm.tn

Phone : (+966) 53 916 5245

Nationality: Tunisian

Languages: Arabic (native), English (proficient), French (excellent), Spanish (apprentice)

Hobbies: Hiking, Animal breeding and exhibition, Hunting, Farming

PROFESSIONAL EXPERIENCE

Science Teacher, American Diploma section – Dar Al Bara'ah Schools; Riyadh, KSA — AUGUST 2024 -
PRESENT

I create engaging science lessons that foster critical thinking and hands-on learning, meeting curriculum standards. I assess student progress with various evaluations, provide tailored feedback, and support individual needs. Collaborating with colleagues, I maintain effective classroom management and a positive learning environment to boost student engagement. Skilled in curriculum development and multimedia integration, I aim to enhance both academic excellence and student interest in science.

Medical Sales Representative / SEO specialist, Affigen – Gentaur group; International — OCTOBER 2023 – JULY 2024

I was responsible for promoting and selling Affigen's and other high-quality scientific research products to university laboratories worldwide. I developed and implemented strategic sales plans to achieve company objectives, identified and engaged with potential clients, and maintained strong relationships with existing customers. Additionally, I collaborated with the marketing team to enhance the company's online presence through search engine optimization (SEO) strategies, leading to increased website traffic and improved product visibility. This position honed my skills in sales, digital marketing, and customer relationship management within the biotechnology sector.

Veterinary Assistant and Lab manager, VETS clinics; Tunisia — AUGUST 2022 - AUGUST 2023

Provided exceptional patient care through animal restraint, medication administration, and sample collection. Mastered aseptic technique and laboratory procedures for blood analysis, cytology, and parasitology. Demonstrated strong organizational and communication skills, effectively managing lab workflow, prioritizing tasks, and collaborating with veterinary staff and clients. This experience equips me to excel in fast-paced veterinary environments, providing both compassionate animal care and efficient laboratory support.

Laboratory Technician, Medical Laboratory Dr. REKIK; Tunisia — SEPTEMBER 2021 - JUNE 2022

Conducted tests and analyses on biological samples (blood, urine, tissues) to support the diagnosis and treatment of diseases. I collected, processed, and prepared samples using aseptic techniques to ensure accurate results. I utilized various laboratory instruments, such as biochemical analyzers and PCR equipment, and documented the results while maintaining the equipment. I collaborated with physicians and medical staff to interpret the findings and adhered to quality and safety protocols, ensuring optimal service delivery.

EDUCATION

**Research Master Degree in Genetics and Immunology, Sciences Faculty of Tunis; Tunisia
2019 – 2022**

Thesis subject: Identification of selection signatures in the genome of indigenous North African sheep and validation of the effect of a mutation at the FeCL locus on the prolificacy.

**Fundamental Bachelor's degree in Molecular and Cellular Biology, Sciences Faculty of Tunis; Tunisia
2016 – 2019**

Comprehensive education in biological sciences, providing a strong foundation in molecular and cellular biology, genetics, immunology, microbiology, biochemistry, ecology, evolutionary biology and biodiversity.

**Baccalaureate in Experimental Sciences; Tunisia
2015**

Pre-university program focused on foundational scientific principles and methodologies across multiple disciplines providing a broad and integrated understanding of experimental sciences.

INTERNSHIPS

M.Sc thesis internship, Laboratory of Animal Productions and Forages of National Institute of Agronomic Research of Tunis; Tunisia — MARCH 2021 - FEBRUARY 2022

Developed strong research skills in population genetics and animal breeding

Analyzed large datasets of ovine genotypes to characterize breed structure, identify selection signatures, and assess inbreeding levels. Employed statistical tests based on Extended Haplotype Homozygosity (EHH) and Runs of Homozygosity (ROH) for data analysis. Demonstrated proficiency in identifying candidate genes associated with phenotypic traits like fat-tail vs. thin-tail, heat tolerance, and drought resistance.

Research student, Microorganisms and active biomolecules Laboratory of Sciences Faculty of Tunis; Tunisia — OCTOBER 2021 - NOVEMBER 2021

Lab techniques in molecular biology

Performed blood sample collection and DNA extraction for downstream analyses. Utilized Polymerase Chain Reaction (PCR) for targeted amplification of specific DNA sequences. Conducted electrophoretic analysis to separate and visualize DNA fragments. Gained experience in DNA sequencing and genotyping techniques to identify genetic variations and mutations. This experience equips me to contribute to projects requiring meticulous lab work and data analysis in the field of molecular biology.

Summer intern, Parasitology Laboratory of Pasteur Institute of Tunis; Tunisia
AUGUST 2018 - SEPTEMBER 2018

Practical skills in parasitology

Gained hands-on experience in collecting, processing, and preparing parasite samples. Learned and performed various techniques for parasite identification, such as morphological examination and molecular methods. Enhanced skills in aseptic technique and maintaining a safe laboratory environment. This experience has equipped me with a strong foundation in laboratory practices relevant to parasitology research.

Summer intern, Hematology Laboratory of Military Hospital of Tunis; Tunisia
SEPTEMBER 2017 - OCTOBER 2017

Practical skills in hematological analysis

Gained proficiency in performing blood sample collection and preparation. Learned various techniques for complete blood count (CBC) analysis, including operating automated analyzers and interpreting results. Developed skills in blood smear preparation and microscopic examination of blood cells to identify abnormalities. This experience has equipped me with a strong foundation in laboratory procedures and a keen eye for detail, valuable assets for a career in the field of hematology.

AWARDS AND ACHIEVEMENTS

Scholarship: - National scholarship for Master degree studies (Amount: 2.200 TND)
obtained Sept. 2020

Certificates: - IELTS academic test, overall score: 6.5 (B2), obtained Feb. 2024

PUBLICATIONS

- 2024:** 1. "Identification of selection signatures in Algero-Tunisian sheep breeds using medium-density SNP chips" **Ghazi Yahyaoui**¹, Slim Ben-Jemaa^{2*}, Samia Kdidi³, Semir B. S Gaouar⁴, Mohamed H. Yahyaoui³, *Genetics & Biodiversity Journal*.
<https://journals.univ-tlemcen.dz/GABJ/index.php/GABJ/article/view/390>
2. "Genome-wide scans for signatures of selection in North African sheep reveals differentially selected regions between fat- and thin-tailed breeds" Slim Ben-Jemaa^{1*}, **Ghazi Yahyaoui**², Samia Kdidi³, Afef Najjari⁴, Johannes A. Lenstra⁵, Salvatore Mastrangelo⁶, Semir B. S Gaouar⁷, Joram M. Mwacharo⁸, Touhami Khorchani³, Mohamed H. Yahyaoui³, *Animal Genetics Journal*.
<https://doi.org/10.1111/age.13487>

SKILLS

- Technical skills:** Biochemical, Molecular, and Immunological Analysis Techniques, Biological Sampling, Microscopic Analysis, Laboratory Quality Management, Animal Nursing, Medical Sales, Marketing, and Negotiation Techniques, Customer Relationship Management (CRM), Search Engine Optimization (SEO).
- Soft skills:** Problems resolution, Time management, Team work, Working under pressure, Responsibility, Creativity and Curiosity.
- IT skills:** Excel, PowerPoint, Word, Outlook, Trello, Linux, R Language, Bioinformatics softwares: Chromas, Plink, REHH, fastPHASE, Distruct, Adegnet, Admixture.

RESEARCH INTEREST

- Molecular genetics applied to livestock breeding and conservation of animal genetic resources.
- Understanding the genetic basis of production and adaptation traits in livestock.
- Development of strategies using marker assisted selection to improve production and disease resistance in domestic animals.
- Study of genetic diversity within domestic species and breeds.
- Development and evaluation of genomic strategies for genetic diversity management in domestic animals.