

Qossay Fathi Mustafa Shtaiwi, M.D., M.Sc.

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EDUCATION

Cyprus Institute of Neurology and Genetics – Nicosia, Cyprus

Master's Degree in Neuroscience (*Awarded with Distinction*) — Sep. 2023 – Oct. 2024.

An-Najah National University – Nablus, Palestine

Doctor of Medicine — Sept. 2016 – Aug. 2022.

Palestinian Ministry of Education – Palestine

General Secondary Education Certificate, Scientific Stream — 2016.

PROFESSIONAL EXPERIENCE

Service Resident – Arab Care Hospital

Ramallah, Palestine (Jun. 2025 – Present)

- Serving as a GP Resident in a 49-bed private hospital, gaining broad clinical exposure across Internal Medicine, Pediatrics, Surgery, and OB/GYN.
- Providing medical care in both inpatient and outpatient settings.
- Conducting patient evaluations, formulating differential diagnoses, and developing management plans.
- Participating in daily rounds, emergency coverage, and interdisciplinary team discussions.
- Ensuring proper documentation, follow-up, and coordination of care.

Data Science & Machine Learning Bootcamp – Axsos Academy

Remote (Apr. 2026 – Jul. 2026)

- A 16 weeks of intensive, project-based program covering the complete data science workflow, culminating in a portfolio of applied projects.
- Data manipulation & querying: Python (Pandas), SQL/MySQL
- Data visualization: Exploratory & explanatory analysis using Seaborn, Matplotlib, and Tableau
- Machine learning: Regression, classification (KNN, logistic regression, Random Forest), model evaluation & optimization
- Advanced ML: Dimensionality reduction, clustering, deep learning fundamentals, CNNs for computer vision
- Time series: Analysis and forecasting techniques
- Dashboarding: Built interactive dashboards in Tableau

Lecturer - Faculty of Medicine, An-Najah National University

Nablus, Palestine (Feb. 2025 – Present)

- Delivering Clinical psychology, Physiology, Anatomy lectures to undergraduate medical students.
- Designing and preparing comprehensive lecture slides and teaching materials tailored to course objectives.
- Developing, writing, and reviewing examination questions and assessment tools in alignment with curriculum standards.
- Utilizing the Moodle learning management system (LMS) to upload course content, manage assignments, and support student learning.
- Contributing to departmental development and curriculum enhancement initiatives.

Lecturer – Faculty of Medicine, Arab American University

Ramallah, Palestine (Mar 2025 – Jun 2025)

- Delivered neurophysiology lectures within the neuroscience system in addition to Psychology and Behavior course to second-year medical students.
- Designed and prepared comprehensive teaching materials aligned with course objectives.
- Developed and evaluated exam questions and assessments to ensure student understanding.
- Engaged students through interactive discussions, case-based learning, and application of physiological concepts to clinical practice.

Graduate Research Trainee - Bioinformatics Department, Cyprus Institute of Neurology and Genetics (CING).

Nicosia, Cyprus (Jul. 2024 – Sep. 2024)

- Collected and curated biological data from open-source platforms (e.g., DisGeNET) to support molecular pathway analysis.
- Conducted bioinformatics and pathway analyses to identify overlapping mechanisms between neurodegeneration and gastrointestinal inflammation.
- Collaborated with faculty and researchers in designing, executing, and interpreting molecular data with translational relevance.

Intern Doctor – Palestinian Ministry of Health

Nablus, Palestine — Sept. 2022 – Sept. 2023

- Completed a full-time, 12-month internship with clinical rotations in Internal Medicine, Surgery, Pediatrics, OB/GYN, Public Health and Psychiatry.
- Actively participated in patient care across inpatient wards, outpatient clinics, and emergency settings.
- Supported clinical decision-making, acute management, and emergency response.
- Gained valuable firsthand experience in managing high-volume patient loads, sustaining extended on-call duties, and taking direct responsibility for patient care.

Visiting Medical Student – Psychiatry Department, American University of Beirut Medical Center.

Beirut, Lebanon (July 2022, one month)

- Actively involved in the management of patients with psychiatric conditions such as mood disorders, schizophrenia, and anxiety disorders. Participated in multidisciplinary team meetings and contributed to patient-centered care planning.
- Conducted structured interviews and mental status examinations, practiced risk assessments, and gained experience in psychotherapy sessions, cognitive testing, and family counseling.

Visiting Medical Student – Neurology Department, American University of Beirut Medical Center.

Beirut, Lebanon (June 2022, one month)

- Engaged in the daily care of patients with neurological disorders, including stroke, epilepsy, multiple sclerosis, and neurodegenerative diseases. Participated in clinical rounds, case discussions, and journal clubs to deepen knowledge of diagnostic and therapeutic strategies.
- Assisted in neurological history-taking and focused physical examinations (cranial nerves, reflexes, coordination, gait), as well as in procedures such as lumbar punctures and EEG interpretation.

Volunteer - Palestinian Red Crescent Association.

Nablus, Palestine (Dec 2021 – Aug 2023)

- Actively served as a first responder in ambulances, providing initial emergency care, assisting in patient stabilization, and ensuring safe and efficient transfer to hospital facilities.
- Participated in community-based health activities and awareness campaigns, promoting preventive health practices and engaging with diverse populations to improve public health outcomes.

Public Health Committee Director - International Federation of Medical Students Association (IFMSA).

Palestine (Aug. 2018 – Sep. 2019)

- Directed awareness campaigns on diabetes, smoking cessation, and antibiotic use, while training and supervising medical students to design, deliver, and evaluate outreach activities.
- Represented medical students in public forums and institutional events, strengthening partnerships with local health organizations and promoting student leadership in public health initiatives.

RESEARCH EXPERIENCE

“Inflammatory Bowel Disease and Parkinson's Disease: Investigating Common Molecular Routes and Pathophysiological Links.”

Master's Thesis, Cyprus Institute of Neurology and Genetics — 2023–2024.

A molecular and translational research study utilizing bioinformatics and pathway analysis to explore overlapping mechanisms between neurodegeneration and gastrointestinal inflammation, with potential implications for novel therapeutic targets.

“Multiple Sclerosis Epidemiology in Palestine.”

A nationwide retrospective analysis investigating incidence and prevalence rates, demographic distribution, and clinical characteristics of MS patients in Palestine.

“Patients' Satisfaction in Radiology Departments in Palestinian Hospitals.”

A hospital-based study assessing patient satisfaction levels with radiological services, focusing on accessibility, communication, and quality of care, aiming to provide recommendations for healthcare service improvement.

“Gastroparesis among Diabetic Patients in Palestine.”

An observational study designed to identify the prevalence, clinical presentation, and associated complications of gastroparesis in diabetic patients, contributing to early diagnosis and management strategies.

CONFERENCES

- 6th International Medical Sciences Conference – An-Najah National University — 2022.
- 6th Palestinian Conference for Endocrinology & Diabetes — 2022.
- 5th Palestinian International Medical Conference — 2021.

Awards and scholarships

- Full Scholarship from Cyprus Institute of Neurology and Genetics, awarded for academic excellence. Covered Full tuition fees and monthly stipend.

CERTIFICATIONS

- USMLE Step 2 CK — 2025.
- Basic Life Support (BLS) — 2023.
- Advanced Cardiovascular Life Support (ACLS) — 2023.
- Advanced Trauma Life Support (ATLS) — 2023.

PROFESSIONAL AFFILIATIONS

- Palestinian Medical Association — Member since 2022.
- Palestinian Medical Students Association — 2017 – 2021.
- Palestinian Red Crescent Membership (Volunteer Role).

SKILLS & LANGUAGES

Skills:

•Research methodology • Clinical teaching • Data Analysis •Python (Programming Language)
•Machine Learning •Data Visualization • Microsoft Office • Leadership.

Languages:

Arabic (Native).
English (Fluent)