

FAHMI ABU-OWAIMER

Senior Lab Specialist | Laboratory Operations & Commissioning | Strategic Procurement | 30+ Years of Experience
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PROFESSIONAL SUMMARY

A results-driven Lab Specialist and Senior Lab Specialist with over 30 years of uninterrupted hands-on experience across medical, academic, and research institutions in Saudi Arabia. Proven track record in establishing and commissioning laboratories from the ground up, managing strategic procurement for five years with zero critical shortages, and delivering exceptional cost efficiency. Founded and managed a private medical diagnostic laboratory for over 11 years. Served as Research Lab Consultant on a KACST-funded national scorpion antivenom study, contributing SOPs, ELISA production, and epidemiological data analysis. Published in peer-reviewed journals (Google Scholar). Combines deep biochemical and biotechnology expertise with advanced practical skills in programming, AI tools, electronics, and IoT systems — a rare multidisciplinary profile that bridges science, technology, and operations.

CAREER OBJECTIVE & TARGET ROLES

A seasoned laboratory professional seeking to transition into a **senior leadership or consulting role** where 30+ years of KSA laboratory experience — spanning setup, operations, procurement, and research — can generate measurable institutional value.

Lab Manager	Medical Procurement Manager	Lab Setup Consultant	Operations Manager
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Target Sectors: Hospitals & Medical Centers | Universities & Academic Institutions | Consulting Firms

CORE COMPETENCIES & TECHNICAL SKILLS

Laboratory & Equipment	Management & Operations	Biotechnology & Research
<ul style="list-style-type: none">Lab Establishment & CommissioningEquipment Selection & ProcurementInfrastructure & Workflow DesignEquipment Management & QC/QARegulatory Compliance	<ul style="list-style-type: none">Strategic Procurement (5 yrs)Budget & Inventory ManagementProject & Operations ManagementTeam Training & MentorshipSOP Development & Implementation	<ul style="list-style-type: none">ELISA Design & ProductionElectrophoresis, ChromatographyRadioimmunoassay (RIA), GC, HPLCEpidemiological Data AnalysisMonoclonal Antibody work

Data & Technology: Python | Excel & MATLAB | Database Management | AI Tools | Circuit Design | Arduino & Raspberry Pi | IoT Systems

PROFESSIONAL EXPERIENCE

Lab Specialist & Senior Lab Specialist

Alfaisal University — College of Medicine Laboratories

Riyadh, KSA | Sept 2008 – Present

▲Promoted to Senior Lab Specialist in 2017

- Established and commissioned all College of Medicine laboratories from scratch: Anatomy, Morgue, Microbiology, Histology, Physiology, and Professional Skills Lab — each fully operational and compliant.
- Spearheaded the establishment of the College Research Laboratory.
- Managed all procurement for College of Medicine laboratories and the Research Lab for five years — selecting, negotiating, and acquiring equipment and consumables.
- Achieved zero critical shortages throughout tenure, while delivering significant cost savings to the university.
- Currently managing the Physiology Lab, serving students from Medicine, Pharmacy, Biomedical Engineering, and Industrial Engineering, in addition to supporting scientific research.
- Oversee daily operations, resource allocation, quality control, and workflow optimization.

Research Lab Consultant (Part-Time)

Riyadh—AlKharj Military Hospital, Research Centre (RKH-RC) — KACST Project AT-17-58

Riyadh, KSA | 1999 – 2006

Project: Studies on the Scorpion Fauna of the Central, Western and Southern Regions of Saudi Arabia — funded by King Abdulaziz City for Science and Technology (KACST). Principal Investigator: Dr. Abdulrahman Al-Asmari.

- Supervised and developed SOPs for Electrophoresis and ELISA experiments.
- Participated in ELISA Coating using Monoclonal Antibodies and contributed to the production of ELISA kits for antivenom research.
- Led the epidemiological component: collected scorpion sting patient data from multiple hospitals and medical centers in the Riyadh region and performed the required data analysis for the study.

Lab Specialist & Lab Founder

Medical Consultant Poly Clinics

Riyadh, KSA | June 1997 – Aug 2008

- Founded, designed, and fully equipped a medical diagnostic laboratory — channeling the expertise and best practices acquired during training at King Khalid University Hospital to build a smooth, high-quality operation with rigorous quality control and minimal error rates from day one.
- Served as Lab Specialist and Lab Manager throughout; implemented smooth operational plans with high quality standards and minimal errors.

Lab Specialist (Volunteer)

King Saud University Hospital Laboratories (King Khalid University Hospital)

Riyadh, KSA | March 1995 – Feb 1996

- Biochemistry Department — Special Analysis Lab (3 months): Performed specialized analyses using RIA, ELISA, GC, HPLC, Electrophoresis, and other advanced techniques directly aligned with BSc Biochemistry studies.
- Central Biochemistry Lab — Routine Lab & Hormones Unit: Gained comprehensive operational experience — from sample receipt to report generation — on automated analyzers (Hitachi, Dimension). Performed biochemistry, hormone, and tumor marker panels.
- Hormones Unit: Conducted large-volume neonatal screening for early detection of hereditary diseases.
- Entrusted with training Applied Medical Sciences internship students from early in the placement — a recognition of technical competence and communication ability.

Programmer & Administrative Specialist

Arab Engineers Trading Company (Agent of RS Components Co., UK)

Riyadh, KSA | Dec 1992 – May 1994

- Updated and optimized inventory management and stocktaking systems using database expertise.
- Transitioned RS Components (UK) ordering from fax to direct modem-based orders, significantly reducing preparation time and human errors.
- Efficiently managed DHL shipment orders, handling a catalog of over 75,000 products.

EDUCATION

Bachelor of Science in Biochemistry

1989

King Saud University, Riyadh, KSA

MEMBERSHIPS & CERTIFICATIONS

- Saudi Commission for Health Specialties (SCFHS) — Licensed Laboratory Specialist

PUBLICATIONS & RESEARCH

Published (Google Scholar — <https://scholar.google.com/citations?hl=en&user=D4XZu0EAAAAJ>):

1. Ameer, O. Z., Salman, I. M., Alwadi, A. Y., Ouban, A., Abu-Owaimer, F. M., AlSharari, S. D., & Bukhari, I. A. (2021). Regional functional and structural abnormalities within the aorta as a potential driver of vascular disease in metabolic syndrome. *Experimental Physiology*, 106(3), 771–778.
2. Ameer, O. Z., Mansour, G. K., Al-Amoudi, R. S., & Abu-Owaimer, F. M. (2025). Exploring dupilumab for asthma: from mechanistic insights to clinical outcomes, safety, and cost-effectiveness. *Frontiers in Pharmacology*, 16, 1631321.

Ongoing Research: One additional research project currently in progress, targeted for future publication.