



Anas Abu-Humaidan

M.D., Ph.D.

Interested in research and education involving Microbiology and Immunology, particularly host-pathogen interactions. Special interest in the complement system and its role in health and disease.

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📍 Amman, Jordan

WORK EXPERIENCE

Assistant Professor

University of Jordan, Faculty of Medicine

2018 – Present

Department of Pathology, Microbiology and forensic medicine

Tasks

- Responsible for the course "Introduction to Microbiology" for 2nd year medical students.

Researcher

Biomedical Center, Lund, Sweden

2012 – 2018

Division of Infection medicine

Teaching assistant

University of Jordan, Faculty of Medicine

2011 – 2012

Medical intern

King Hussein, Al – Salt Hospital

2010 – 2011

PUBLICATIONS

The epidermal growth factor receptor is a regulator of epidermal complement component expression and complement activation (2014)

The Journal of Immunology

A novel mechanism for NETosis provides antimicrobial defense at the oral mucosa. (2015)

Blood

Persistent Intracellular Staphylococcus aureus in Keratinocytes Lead to Activation of the Complement System with Subsequent Reduction in the Intracellular Bacterial Load (2018)

Frontiers in Immunology

EDUCATION

PhD program

Lund University, Faculty of Medicine

2012 – 2018

Thesis

- Rules of engagement - Regulation of complement response in tissue

Medical program

University of Jordan, Faculty of Medicine

2004 – 2010

TECHNICAL AND TEACHING SKILLS

☐ Molecular techniques; SDS-PAGE, Western blotting, Immunofluorescence microscopy, flowcytometry, RNA and DNA purification, PCR and qPCR, protein mass spectrometry, recombinant protein purification.

☐ Quantification of immune responses, with a focus on the complement system.

☐ Supervision of bachelor and Master's students for short term projects. Participated in problem based learning (PBL) courses.

☐ Cell culture; in-vitro models of primary cells and cancer cell lines. Skin ex-vivo models. Purification of immune cells and serum components from blood.

☐ Microbiology techniques; bacterial culture, media preparation, killing assays and intracellular survival assays.

☐ Competent in programs involving data analysis and image processing (e.g. Excel, NIS elements, ImageJ, Photoshop).

VOLUNTEER EXPERIENCE

Symbiose 2017 - Sweden

Volunteer organizer

Biology and sustainability conference

Refugee integration workshop, Malmö

Translator (Arabic-English)

HONOR AWARDS

- Recipient of a scholarship for a fully funded graduate education abroad (2012)

Faculty of Medicine - University of Jordan

- Recipient of a research grant financed by Endowments for the Natural Sciences, Medicine and Technology Fund (2015)

Kungliga Fysiografiska Sällskapet

LANGUAGES

Arabic
Native

English (proficient)
Full Professional Proficiency

Swedish (basic)
Limited Working Proficiency

INTERESTS

Popular science, fitness, football, hiking, traveling and photography.