

Wasan Madhat Yousif Alnakshabandie

B.Sc. (Biology) & M.Res. (Infection & Immunology)

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During the academic year 2019 - 2020, I was accepted as a PhD student in Microbiology in University of Duhok and since then I have started my research project under the title (Bacteriology and Molecular Characteristic of Trauma-Related Wound Infections among Patients Admitted to Emergency Teaching Hospital in Duhok Province). So far I have finished my courses and started doing my project since Aug. 2021. Also, I hold a Master degree in Infection and Immunology in 2013 from University of Glasgow. Proven interpersonal skills, keen to secure a position with a dynamic and progressive scientific institute. Particular experience bacteriology and molecular, interested in acquiring lab experience and progress in my career.

EDUCATION AND QUALIFICATIONS:

Sept 2020 – Date **Bacteriology and Molecular Characteristic of Trauma-Related Wound Infections among Patients Admitted to Emergency Teaching Hospital in Duhok Province**

Sept 2012 – Sept 2013 **M.Res. (Infection and Immunobiology, College of Medical, Veterinary and Life Science, University of Glasgow.**

Core subjects:

Immunology, Microbiology, Parasitology, Virology, Molecular Methods Laboratory and Advanced Research Techniques (Bioinformatics, Proteomics, Metabolomics, Flow Cytometry, Biophysical Analysis).

Essay (Title):

3000 word research study of (**The Role of the Interaction between Gene and Environment in the Immune Response**).

Research Projects:

- ***CD8⁺ Cells Infiltrate the Intestinal Lamina Propria of 232-4 Transgenic Mice after Feeding a TLR7/8 Ligand*** supervised by Simon Milling on **Apr 2013**.
- ***Determining the Molecular Target of the Lectin-like Bacteriocins*** supervised by Dr Daniel Walker **Aug 2013**.

Dissertation:

Determining the Molecular Target of the Lectin-like Bacteriocins by Wasan M Alnakshabandie and Dr Daniel Walker (supervisor) at Power point Presentations by MRes Students at the Institute of Infection, Immunity and Inflammation, University of Glasgow Aug 2013.

Oct 2003 – Jul 2007 **B.Sc. in Biology, College of Education, University of Duhok, DUHOK, Iraq.**
Ranked 3rd out of 27 graduates in Biology Department.

Fourth year project:

Isolation and Extraction DNA from K. pneumonia by Wasan M. Alnakshabandie and Narmeen Saeed (Project Supervisor), College of Education, University of Duhok, DUHOK, Iraq **May 2007.**

Oct 2000 – June 2003 **Baccalaureate degree (Equivalent to A-levels) in English, Biology, Physics and Chemistry, Duhok Secondary School for Girls, DUHOK, Iraq.**

Publications:

- Study GENETIC RELATIONSHIP AMONG ENTEROCOCCUS FAECALIS STRAINS COLLECTED FROM URINE HARBORED DIFFERENT VIRULENCE PROFILES USING ERIC-PCR ASSAY, University of Duhok 2020
- Fungal contamination of Azadi Teaching Hospital and Hevi Paediatric Hospital Environments, Duhok, Iraq , 2017
- Poster presentation of (***CD8⁺ Cells Infiltrate the Intestinal Lamina Propria of 232-4 Transgenic Mice after Feeding a TLR7/8 Ligand***) by Wasan M Alnakshabandie, Vuk Cerovic and Simon Milling at Poster Presentations by MRes Students at the Institute of Infection, Immunity and Inflammation, University of Glasgow **Apr 2013.**

Lab Experience:

- 1- Good knowledge of molecular biology and related practical skills for example DNA extraction, PCR, cloning, primer design and western blot.
- 2- Immunohistochemistry using antibiotics and fluorescent dye.
- 3- Imaging using fluorescence microscope.
- 4- Animal and plant tissue culturing and maintaining animal cells.
- 5- Bacterial culture and Bacteriocins sensitivity assays.
- 6- Protein purification and determining interaction between proteins e.g. Nickel affinity and Ion Exchange Chromatography), SDS PAGE, Gel filtration.
- 7- Ambitious person and keen to learn new techniques through literature, work exposure and consultation with other researchers.

Additional skills:

- 1- Ability working in teams and independently, working in group increase work performance and the information distributed between team members which ensured that the work completed in time and efficient manner. While working independently I realized that is my responsibility to work hard and ensure complete the project to the submission time.
- 2- IT skills including Word processing, Excel, basic bioinformatics and statistical packages.
- 3- Excellent time management and work perfectly and efficiently.
- 4- Ability to work hard to the deadline and problem solving that arise during experiment work.
- 5- Lab experiences through working in lab for 3 – 4 years at (College of Medicine, University of Duhok) and (University of Glasgow).

Employment History:

Aug 2015 – Current

Lecturer assistant, College of Health Science, University of Duhok, DUHOK, Iraq.

Nov 2007 – March 2009

Demonstrator and Lab Technician in the Microbiology Department, College of Medicine, University of Duhok, DUHOK, Iraq.

- I have got a great deal of teaching experience my role in teaching students was mostly during the microbiology practical sessions.
- I was delivering lectures on preparing the bacterial cultures; explain how to perform the relevant procedures and explaining the expected outcomes.
- Also I was involved in the medical students' assessments and their practical exams.

July 2007 – Nov 2007

Lab Technician in the Scientific Research Centre (SRC), University of Duhok, DUHOK, Iraq.

- I have worked in animal tissue culture particular on culturing stem cells from mouse bone marrow.
- Molecular lab I got experience in DNA extraction from bacteria cells and PCR.
- Plant tissue culturing lab I have learned preparing media and implanted the plant in very sterilized condition and incubating them.

References:

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