ALHOMIDI SALEM ALMOTIRI

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PROFESSIONAL SUMMARY

Focused Biomedical Scientist and academic demonstrating a specialty in blood sciences and related biomedical field. I am determined to find effective treatments for deadly diseases and debilitating conditions and ready to collaborate with other professionals in this regard. Furthermore, I am dedicated to the advancement and research of hematology which eventually will help to provide optimum healthcare services to the patients.

WORK EXPERIENCE

Dean of Graduate Studies, 09/2021- Current
Shaqra University, Shaqra, Saudi Arabia

Vice Dean of Development and Quality, 10/2020 – 09/2021
College of Applied Medical Sciences-Dawadmi, Shaqra University, Dawadmi, Saudi Arabia

Assistant Professor, 12/2020 - Current
Department of Clinical Laboratory Sciences, College of Applied Medical Sciences, Shaqra University, Dawadmi, Saudi Arabia

Lecturer, 05/2017 - 12/2020
Department of Clinical Laboratory Sciences, College of Applied Medical Sciences, Shaqra University, Dawadmi, Saudi Arabia

Teaching Assistant, 10/2011 - 05/2017
Department of Clinical Laboratory Sciences, College of Applied Medical Sciences, Shaqra University, Dawadmi, Saudi Arabia

EDUCATION

***Cardiff University**, Cardiff, United Kingdom, 01/2020*
Doctor of Philosophy: **Biosciences -**
PhD project title: Characterizing the role of Zeb1 in the adult hematopoietic system

***University of Bristol**, Bristol, United Kingdom, United Kingdom, 10/2015*
Master of Science: **Blood Transfusion and Transplantation Sciences**
MSc project title: In Vitro Production of Red Blood Cells, Platelets, and Neutrophils: A Review of the Current Methods and the Challenges towards Clinical Application

***Qassim University**, Qassim, 09/2011*
Bachelor of Science: **Medical Laboratories, College of Applied Medical Sciences**
Courses include Hematology, Blood Bank, Microbiology, Biochemistry, Anatomy, Physiology, Pathology, Research methods, Biostatistics, and others.

TRAINING PROGRAMS

***Education and Training Evaluation Commission,** Saudi Arabia, 13-21/12/2022*
External Reviewer's Qualification Program, (42 hours)

***Education and Training Evaluation Commission,** Saudi Arabia, 5-8/9/2021*
Academic Quality Practitioner, (20 hours)

SKILLS

Laboratory and Research Techniques and Skills:
· Flow cytometry
· Cell and tissue culture
· Nucleic acid extraction, PCR, qPCR
· Mouse models (breeding, injections, others).
· Electrophoresis
· Expertise in Endnote, FlowJo, and GraphPad Prism software
· Visualization of RNA Sequencing data (Heat maps and pathway analysis and others using IPA software and other online tools).
· Establishing and managing research projects
· Project supervision of undergraduate and graduate students
· Effective communication skills
· Ability to learn new technologies quickly and efficiently.

General Skills
. Fluent in English
. Adaptation to different work environments.
. Proficiency in computer skills
. Time management
. Team leadership
. Self-motivated

SCIENTIFIC PUBLICATIONS

Irfan, M.; **Almotiri, A**.; AlZeyadi, Z. A. Antimicrobial Resistance and -Lactamase Production in Clinically Significant Gram-Negative Bacteria Isolated from Hospital and Municipal Wastewater. Antibiotics 2023, 12 (4), 653-653. DOI: 10.3390/antibiotics12040653.

Irfan, M.; **Almotiri, A**.; AlZeyadi, Z. A. Antimicrobial Resistance and Its Drivers—A Review. Antibiotics 2022, 11 (10). DOI: 10.3390/antibiotics11101362.

Al-Khreisat, M. J.; Hussain, F. A.; Abdelfattah, A. M.; **Almotiri, A**.; Al-Sanabra, O. M.; Johan, M. F. The Role of NOTCH1, GATA3, and c-MYC in T Cell Non-Hodgkin Lymphomas. Cancers 2022, 14 (11), 2799-2799. DOI: 10.3390/cancers14112799.

Almotiri, A.; Abdelfattah, A.; Rodrigues, N. P. Flow Cytometry Analysis of Hematopoietic Stem/Progenitor Cells and Mature Blood Cell Subsets in Atherosclerosis. In Methods in Molecular Biology, Springer US, 2022; pp 583-595. DOI: 10.1007/978-1-0716-1924-7_36

Abdelfattah, A. M.; Hughes-Davies, A.; Clayfield, L. D.; Menendez-Gonzalez, J. B.; **Almotiri, A**.; Alotaibi, B.; Tonks, A.; Rodrigues, N. P. Gata2 haploinsufficiency promotes proliferation and functional decline of HSCs with myeloid bias during aging. Blood Advances 2021. DOI: 10.1182/bloodadvances.2021004726.

Moss, J. W. E.; Williams, J. O.; Al-Ahmadi, W.; Omorain, V.; Chan, Y.-H.; Hughes, T. R.; Menendez-Gonzalez, J. B.; **Almotiri, A**.; Plummer, S. F.; Rodrigues, N. P.; et al. Protective effects of a unique combination of nutritionally active ingredients on risk factors and gene expression associated with atherosclerosis in C57BL/6J mice fed a high fat diet. Food & Function 2021, 12 (8), 3657-3671. DOI: 10.1039/d0fo02867c.

Almotiri, A.; Alzahrani, H. A. A.; Menendez-Gonzalez, J. B.; Abdelfattah, A.; Alotaibi, B.; Saleh, L.; Greene, A.; Georgiou, M. R. F.; Gibbs, A.; Alsayari, A. S.; et al. Zeb1 modulates hematopoietic stem cell fates required for suppressing acute myeloid leukemia. Journal of Clinical Investigation 2020. DOI: 10.1172/jci129115.

Menendez-Gonzalez, J. B.; Vukovic, M.; Abdelfattah, A.; Saleh, L.; **Almotiri, A**.; Thomas, L. A.; Agirre-Lizaso, A.; Azevedo, A.; Menezes, A. C.; Tornillo, G.; et al. Gata2 as a Crucial Regulator of Stem Cells in Adult Hematopoiesis and Acute Myeloid Leukemia. Stem Cell Reports 2019, 13 (2), 291-306. DOI: 10.1016/j.stemcr.2019.07.005