



## FACULTY FULL NAME:

POSITION:

### Personal Data

Nationality | Saudi  
Date of Birth | January 31, 1981  
Department | Clinical Laboratory Sciences  
Official IAU Email | ayowaidah@iau.edu.sa  
Office Phone No. | 31347

### Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√

### Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
March 24, 2021	Higher Diploma in Medical Education	University of Dundee	Dundee , Scotland
May 13, 2014	PhD in Cellular and Molecular Medicine	University of Bristol	Bristol, UK
Oct 13, 2009	MSc with Merit in Transfusion and Transplantation Sciences	University of Bristol	Bristol, UK
Sep 8, 2004	BSc Medical Laboratory Sciences	King Faisal University	Dammam, Saudi Arabia

### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Factors that Control the Chondrogenic Differentiation of Human Induced Pluripotent Stem Cells
Master	The modification of the Monoclonal Antibody Specific Immobilisation of Erythrocyte Antigens (MAIEA) by replacing the Solid Phase Well with Luminex Carboxylated beads using the Kell Blood Group system as a Model.



### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant Professor	Imam Abdulrahman Bin Faisal University -Dammam, Saudi Arabia	September 2014- up to date
Research Scientist	King Fahd Specialist Hospital Dammam, Saudi Arabia	August 2015- July 2016
Senior Technologist (Blood Bank)	King Fahd Military Medical Complex Dhahran, Saudi Arabia	April 2007- April 2008
Junior Technologist (Blood Bank)	King Fahd Military Medical Complex Dhahran-Saudi Arabia	December 2004- April 2007

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Director of Development and Academic Initiatives directorate	Vice president office of Academic Affairs	July 2024-up to date
Vice Dean of Scientific Research and Innovation	College of Applied Medical Sciences (Dammam) Imam Abdulrahman Bin Faisal University	October 2022- up to date
Vice Dean of Studies, Development and Community Service	College of Applied Medical Sciences (Dammam) Imam Abdulrahman Bin Faisal University	December 2020- October 2022
Head of Respiratory Care Curriculum Development Committee	College of Applied Medical Sciences (Dammam and Jubail) Imam Abdulrahman Bin Faisal University	February 2021- September 2023
Head of Quality of Assessment and Examination Unit	College of Applied Medical Sciences (Dammam) Imam Abdulrahman Bin Faisal University	April 2017- December 2020
Leader of Field Training Initiative	Vice President for Academic Affairs Office Imam Abdulrahman Bin Faisal University	October 2017- January 2022
Head of Quality and Academic Accreditation Committee	Clinical Laboratory Sciences Department College of Applied Medical Sciences Imam Abdulrahman Bin Faisal University	September 2016- September 2018



## Scientific Achievements

### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	<b><u>Amani Y Owaidah</u></b>	<b>Induced pluripotent stem cells in cartilage tissue engineering: a literature review</b>	<i>Biosci Rep</i> (2024) 44 (5):BSR20232102. <a href="https://doi.org/10.1042/BSR20232102">https://doi.org/10.1042/BSR20232102</a>
2	Manal Abouelwafa, Tamer M. Ibrahim, Mohamed S. El-Hadidi, Mater H. Mahnashi, <b><u>Amani Y. Owaidah</u></b> , Nizar H. Saeedi, Hany G. Attia, John J. George and Amany Mostafa	<b>Using CADD tools to inhibit the overexpressed genes FAP, FN1, and MMP1 by repurposing ginsenoside C and Rg1 as a treatment for oral cancer</b>	Front. Mol. Biosci. 10:1248885. doi: 10.3389/fmolb.2023.1248885
3	Khaldoon Alsamman , Ali M. Alamri , Chittibabu Vatte , <b><u>Amani Y. Owaidah</u></b> , Fatimah Alhassan , Ruba Mubarak, Omar S. El-Masry	<b>Potential candidate genes for therapeutic targeting were identified by analysis of the transcriptome profiles of a cohort of patients with chronic myeloid leukemia</b>	Asian Pac J Cancer Prev, 24 (9), 3077-3085 DOI:10.31557/APJCP.2023.24.9.3077
4	Amani Y Owaidah and Lamya Zohair Yamani	<b>Misclassification of RhD variants among pregnant women: a systematic review</b>	JOURNAL of MEDICINE and LIFE. VOL: 16 ISSUE: 7 JULY 2023 . DOI:10.25122/jml-2023-0004
5	Anfal Mohanna, <b><u>Amani Owaidah</u></b> , Ahmed Albahrani , Sara Aldossary , Norah Almulhem , Hani Almohanna	<b>Validation of long-term handling and storage conditions for hematopoietic stem cell products for autologous transplants</b>	. J Med Life. 2023 Apr;16(4):515-519. doi: 10.25122/jml-2022-0230. PMID: 37305819; PMCID: PMC10251375.
6	<b><u>Amani Y Owaidah</u></b> , Khadijah H Aljuhani, , Jassim Al-basri, Eman Alsulami, Taibah Ali Alsaihati , and Faisal M Alzahrani	<b>Cases of RhD variants RhD*DAU2/DAU6 and RhD*weak D type 4.1 in pregnant women in Saudi Arabia</b>	Acta Biomed. 2023 Mar 8;94(S1):e2023080. doi: 10.23750/abm.v94iS1.14120. PMID: 36883669.
7	Arwa Althumairi* , Noot Mishal Alotaibi, Arwa Alumran, Saja Alrayes and <b><u>Amani Owaidah</u></b>	<b>Factors associated with Anxiety symptoms among medical laboratory</b>	Front. Public Health Sec. Occupational Health and Safety



		<b>professionals in Khobar: Single institution study</b>	doi: 10.3389/fpubh.2022.9176 19
8	Omar S El-Masry, Hussain Abdullah Alhawaj, Muaz O Fagere, <b><u>Amani Y Owaidah</u></b> , Aisha Alamri, Khaldoon Alsamman	<b>Oral Intra gastric DMBA Administration Induces Acute Lymphocytic Leukemia and Other Tumors in Male Wistar Rats</b>	J Exp Pharmacol. 2022; 14: 87-96. Published online 2022 Feb 25. doi: 10.2147/JEP.S349047
9	<b><u>Amani Y Owaidah</u></b>	<b>Using Gagne's instructional design to teach communication skills in phlebotomy education through role-play</b>	F1000research Published on January 14, 2022 <b><a href="https://doi.org/10.12688/f1000research.75335.1">https://doi.org/10.12688/f1000research.75335.1</a></b>
10	Nora Y. Hakami, Afnan J. Al-Sulami, Wafaa A. Alhazmi, Talal H. Qadah, Waleed M. Bawazir, Abdullah Hamadi, <b><u>Amani Y. Owaidah</u></b> , Razan A. Alhefzi, Fawaz Hamdi, Amr Maqnas, Ghassab F. Alghassab, Maha A. Badawi and Salwa I. Hindawi	<b>Impact of COVID-19 on Blood Donation and Supply: A Multicenter Cross-Sectional Study from Saudi Arabia</b>	BioMed Research International Published on January 12, 2022 <b><a href="https://doi.org/10.1155/2022/1474426">https://doi.org/10.1155/2022/1474426</a></b>
11	Omar S. El-Masry , Arafat Goja, Mostafa Rateb, <b><u>Amani Y Owaidah</u></b> and Khaldoon Alsamman	<b>RNA sequencing identified novel target genes for Adansonia digitata in breast and colon cancer cells</b>	Science progress Published on July 12, 2021 <b>DOI: 10.1177/00368504211032084</b>
12	<b><u>Amani Y Owaidah</u></b> , Noor M Naffaa, Arwa Alumran, and Faisal Alzahrani	<b>Phenotype Frequencies of Major Blood Group Systems (Rh, Kell, Kidd, Duffy, MNS, P, Lewis, and Lutheran) Among Blood Donors in the Eastern Region of Saudi Arabia</b>	J Blood Med. 2020; 11: 59-65 Published online 2020 Feb 13. <b>doi: 10.2147/JBM.S236834</b>
13	Khaldoon Alsamman, Xiuli Zhang, Chittibabu Vatte, Mohammad Al Hamad, Omar S El-Masry, <b><u>Amani Y Owaidah</u></b> , Faisal Alzahrani, Yao Lin	<b>Novel IRF-1 Mutations in a Small Cohort of Leukaemia Patients From Saudi Arabia</b>	Asian Pac J Cancer Prev, 18 (10), 2795-2801. October 10, 2017 <b>DOI:10.22034/APJCP.2017.18.10.2795</b>
14	<b><u>Amani Owaidah</u></b> and Wael Kafienah	Cartilage Tissue Engineering Using Embryonic Stem Cells,	Elsevier/ August 24, 2016



	Reference Module in Biomedical Sciences.	doi:10.1016/B978-0-12-801238-3.99808-8
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### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	Amani Y Owaidah and Eman Alsulmi	A Fatal Case of Hemolytic Disease of the Fetus and Newborn Associated with Anti-Jka	Acta Biomedica	October 7, 2024

### Current Researches

#	Research Title	Name of Investigator(s)
1	Comparison of Crossmatch and Transfusion Ration with Utilisation of Blood components	Amani Y Owaidah, Faisal M Alzahrani and Awatif Alnafea
2	Estimation of hiPSC clones required for in vitro red cell production for alloimmunized patients	Amani Y Owaidah, Noor Nafaa, Nora Aljundan and Faisal M Alzahrani

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Saudi Society of Transfusion medicine	Abha, Saudi Arabia May 24-25, 2022	Speaker
2	Saudi Society of Transfusion medicine	Jeddah, Saudi Arabia April 2016	Speaker
3	1 <sup>st</sup> Saudi Immunohematology group meeting	Dammam, Saudi Arabia December 2015	Speaker and Moderator
4	Advances in Molecular Biology	Dammam, Saudi Arabia October 2014	Speaker
5	Stem Cell Symposium	Cardiff, United Kingdom January 2014	Speaker
6	International Cartilage Repair Society (ICRS) 11 <sup>th</sup> congress	Izmir, Turkey September 2013	Speaker
7	2 <sup>nd</sup> update in Laboratory Medicine Meeting	Dammam, Saudi Arabia April 2013	Speaker
8	2 <sup>nd</sup> SouthWest Regional Regenerative Medicine Meeting	Bristol, United Kingdom September 2012	Speaker
9	International Cartilage Repair Society (ICRS) 10 <sup>th</sup> congress	Montreal, Canada May, 2012	Speaker



## Scientific Awards

- Certificate of excellence by the Saudi Society of Genome and Molecular Oncology (SSGMO) December 2013.
- Distinguished Saudi scholars in a ceremony held at the Royal Embassy of Saudi Arabia, London, United Kingdom by HRH Prince Mohammed bin Nawaf Al-Saud (Saudi Ambassador to the United Kingdom) in September 2012.

## Teaching Activities

### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	<b>Transfusion Medicine and Blood Banking</b>	MLT 321	Coordinator, Teaching and Practical Training
2	<b>Clinical Blood Banking Rotation</b>	MLT 412	Coordinator, Teaching and Clinical Training
3	<b>Immunology and Serology</b>	MLT 311	Teaching
4	<b>Clinical immunology and serology rotation</b>	MLT 423	Teaching
5	<b>Research project</b>	MLT 424	Supervision

### Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Transfusion Medicine	MLT 718	Coordinator and Teaching
2	Pathology of Diseases	MLT 702	Teaching
3	MSc Thesis	MLT 799	Supervision

### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	<b>Master</b>	Evaluation and Quality Assessment of Pre-Pooled cryoprecipitate During Extended Storage Time	<b>Imam Abdulrahman Bin Faisal University</b>	<b>2024</b>



2	Master	Validation of Long-Term Handling and Storage Conditions for Hematopoietic Stem Cell Products for Autologous Transplants	Imam Abdulrahman Bin Faisal University	2023
3	Master	Frequency of RhD variants among pregnant women in King Fahd Hospital of the University in Khobar, Saudi Arabia	Imam Abdulrahman Bin Faisal University	2023
4	Master	Prevalence of Red Cell Phenotypes Among Blood Donors in King Fahad University Hospital Al-Khobar	Imam Abdulrahman Bin Faisal University	2020

### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

#### Administrative Responsibilities

#	From	To	Position	Organization
1	July 2024	Up to date	Director of Development and Academic Initiatives	IAU
2	Feb 2021	Sep 2023	Head of Respiratory Care Curriculum Committee	CAMS-IAU
3	April 2017	Dec 2020	Head of Quality of Assessment and Examination Unit	CAMS-IAU
4	October 2017	Jan 2022	Head of Field Training Initiative	IAU
5	Sep 2016	Sep 2018	Head of Quality and Academic Accreditation committee	CLS-CAMS-IAU

#### Committee Membership

#	From	To	Position	Organization
1	Aug 2024	To date	Head of curriculum committee	CLS-CAMS-IAU
2	Aug 2024	To date	Member of development and Academic Accreditation committee	CLS-CAMS-IAU

#### Scientific Consultations

#	From	To	Institute	Full-time or Part-time
1	2024	2027	External Examiner for Bachelor of Science Medical Technology Program in the University of Technology, Kingston, Jamaica	Part-time
2	2022	2022	Independent reviewer for Education and Training Evaluation Commission (ETEC) files for Mohammed Almanaa College of Health Sciences, Dammam, Saudi Arabia. 2022	Part-time



			Independent reviewer for Education and Training Evaluation Commission	
<b>3</b>	<b>2020</b>	<b>2020</b>	Independent reviewer for Education and Training Evaluation Commission (ETEC) for King Khalid University, Abha, Saudi Arabia	<b>Part-time</b>
<b>4</b>	<b>2018</b>	<b>2018</b>	Independent reviewer for Education and Training Evaluation Commission (ETEC) for Fakieh College, Jeddah Saudi Arabia	<b>Part-time</b>

### Volunteer Work

#	From	To	Type of Volunteer	Organization
<b>1</b>	<b>April 2022</b>	<b>April 2022</b>	<b>Community service to raise awareness of geriatric care</b>	<b>CAMS IAU</b>
<b>2</b>	<b>March 2021</b>	<b>March 2021</b>	<b>Community service to raise awareness of importance of COVID-19 vaccination and rehabilitation post infection</b>	<b>CAMS IAU</b>
<b>3</b>	<b>December 2019</b>	<b>December 2019</b>	<b>Community service to raise awareness of importance of Blood Donation</b>	<b>CLS-CAMS-IAU</b>

### Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

<b>1</b>	Stem cell culture and cryo-storage
<b>2</b>	Stem cell Differentiation studies and analysis
<b>3</b>	3D tissue engineering
<b>4</b>	Data management and Analysis
<b>5</b>	Project management
<b>6</b>	Blood banking routine and specialized testing
<b>7</b>	Blood donation and Transfusion management

### Last Update

October 20,2024