



DR. KHALDOON ALSAMMAN

ASSISTANT PROFESSOR

Personal Data

Nationality | Saudi

Date of Birth | 01 OCT 1984

Department | Clinical Laboratory Sciences

Official IAU Email | kmalsamman@iau.edu.sa

Office Phone No. | +966 (0) 13-333-1251

Language Proficiency

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

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2012	PhD	University of Edinburgh	Edinburgh, U.K
2008	MSc (Distinction)	University of Abertay Dundee	Dundee, U.K
2007	BSc (Hons)	University of Abertay Dundee	Dundee, U.K

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

PhD	Chemical genetic manipulation of interferon regulatory factor 1 (IRF-1) using synthetic biology
Master	Analyzing and characterizing stress signaling pathways in an Epidermolysis bullosa simplex cell 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	May 2013



Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Vice Dean of Academic Affairs	College of Applied Medical Sciences, Imam Abdulrahman bin Faisal University	June 2016-Present

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	Khaldoon Alsamman , Xiuli Zhang, Chittibabu Vatte, Mohammad Al Hamad, Omar S El-Masry, Amani Y Owaidah, Faisal Alzahrani, Yao Lin	Novel IRF-1 Mutations in a Small Cohort of Leukaemia Patients from Saudi Arabia	Asian Pacific Journal of Cancer Prevention, 2017
2	Baha Abdalhamid, Nasreldin Elhadi; Samar Albnayan; Khaldoon Alsamman ; & Reem Aljindan	First Description of Methyltransferases in Extensively Drug Resistant Klebsiella pneumoniae Isolates from Saudi Arabia	Journal of Medical Microbiology, 2017
3	Khaldoon Alsamman & Omar S. El-masry	Developmental Phases of Anticancer Screening Models	Combinatorial Chemistry & High Throughput Screening, 2017
4	Nasreldin Elhadi & Khaldoon Alsamman	Genetic relatedness of Acinetobacter baumannii isolated from different clinical specimens in a teaching hospital in Eastern Province, Saudi Arabia	Saudi Journal of Medicine & Medical Sciences, 2017
5	Baha Abdalhamida, Nasreldin Elhadi, Khaldoon Alsamman , & Reem Aljindan	Chryseobacterium gleum pneumonia in an infant with nephrotic syndrome	ID cases, Elsevier, 2016
6	B. Abdalhamid, N. Elhadi, N. Alabdulqader, K. Alsamman & R. Aljindan	Rates of gastrointestinal tract colonization of carbapenem-resistant Enterobacteriaceae and Pseudomonas aeruginosa in hospitals in Saudi Arabia	New Microbes and New Infections, Elsevier, 2016
7	Nasreldin Elhadi & Khaldoon Alsamman	Incidence and antimicrobial susceptibility pattern of extended-spectrum- β -lactamase-producing Escherichia coli isolated from retail imported mackerel fish	African Journal of Biotechnology, 2015
8	Terry A. Gray, Khaldoon Alsamman , Euan Murray, Andrew H. Simsc & Ted R. Hupp	Engineering a synthetic cell panel to identify signaling components reprogrammed by the cell growth regulator anterior gradient-2	Molecular BioSystems The Royal Society of Chemistry, 2014

Refereed Scientific Research Papers Submitted for Publication

#	Name of Investigator(s)	Research Title	Journal	Submission Date
1	Faraz Ahmad, Widyan Ahmed Alamoudi, Mohammad Salahuddin, Khaldoon Alsamman , Sadananda Acharya, Hatem K. Herzallah, Sultan T. Al-Otaibi	Dysfunction of cortical synapse-specific mitochondria 1 in developing rats exposed 2 to lead (Pb) and its amelioration by ascorbate supplementation	Neuropsychiatric Disease and Treatment	January, 2018
2	Faisal Al-Zahrani, Abdulaziz Abdullah Almulhim, Nasreldin Elhadi, Khaldoon Alsamman	Association of Pregnancy Complications with Thrombophilias	Journal of Thrombosis and Thrombolysis	January, 2018
3	Khaldoon Alsamman and Omar El-Masry	Interferon regulatory factor 1 (IRF-1) inactivation in human cancer	Bioscience Reports	December, 2017
4	Qing-shui Wang, Xiu-li Zhang, Ling Chen, Peng-chen Chen, Khaldoon Alsamman , Chen Meng, Craig Stevens, Ted R. Hupp, and Yao Lin	Regulation of the Expression of Death Associated Protein Kinase 1 (DAPK) by Small Ubiquitin like Molecule (Sumo) Pathway	Scientific Reports, Nature Publishing Group	March 2017



Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Khaldoon Alsamman	Identification of IRF-1 downstream targets using microarray study	The 3rd joint meeting on the role of p53, mdm2, AGR2/3 and ubiquitin/chaperone system in tumor biology. Brno, Czech Republic. September 2010

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Khaldoon Alsamman, Deanship of Scientific Research, University of Dammam	IRF-1 inactivation in human leukemia among Saudi population	March 2014
2	Khaldoon Alsamman, Deanship of Scientific Research, University of Dammam	Investigation of the signaling pathways controlling TSC2 mediated DAPK degradation	March 2017

Current Researches

#	Research Title	Name of Investigator(s)
1	The role of SQSTM1 in ovarian tumors replace	Khaldoon Alsamman
2	Mechanism of drug resistance in ovarian cancer	Khaldoon Alsamman
3	The anti-proliferative properties of Adansonia	Khaldoon Alsamman

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	The 9th transgenic technology meeting	Berlin, Germany. March 2010	Attendance
2	The 4th international genomics conference	Shenzhen, China. November 2009	Attendance

Membership of Scientific and Professional Societies and Organizations

- Member of Saudi Society for Genomics and Molecular Oncology
- Member of European Association for Cancer Research.
- Member of British Association for Cancer Research.
- Member of Saudi Cancer Foundation
- Member of Scottish Microbiological Society.
- Member of Abertay Biotechnology Society



Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Molecular Biology	MLT214	Full lectures, Tutorials, and Labs
2	Human Genetics	MLT310	Full lectures and Tutorials

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	The course aims to provide student with the knowledge needed to help them in understanding nucleic acid structure and DNA packing to facilitate the understanding of DNA replication, transcription and translation.
2	The course aims to provide student with the knowledge needed to help them in understanding principles of inheritance and chromosomal divisions to facilitate the understanding of chromosomal abnormalities.

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Techniques in Molecular Biology	MSML812	Full lectures, Tutorials, and Labs
2	Medical Genetics	MSML813	Full lectures and Tutorials

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	The course aims to provide student with knowledge and skills to open their sight into research by training them on different molecular techniques ranging from plasmid cloning and engineering, PCR, Western blotting, qPCR, NGS, and tissue culture techniques.
2	The course aims to provide student with the knowledge needed to help them in understanding details of cytogenetic diagnosis and molecular diagnostic of most common and rare human abnormalities seen around the world.

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	UG	PG	From	To
1	Molecular Biology	Full		√		2013	Present
2	Human Genetics	Full		√		2013	Present
3	Techniques in Molecular Biology	Full			√	2013	Present
4	Medical Genetics	Full			√	2013	Present

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	CLS-Level IV	1 (Research Project)	2013	2014
2	CLS-Level IV	2 (Research Project)	2014	2015



3	CLS-Level IV	1 (Research Project)	2015	2016
4	CLS-Level IV	1 (Research Project)	2016	Present

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	MSc	Characterization of Acinetobacter spp Strain isolated from hospital in the Eastern Province of Saudi Arabia	Imam Abdulrahman bin Faisal University	Ongoing
2	BSc	Mechanism of Drug resistance in Ovarian Cancer	Imam Abdulrahman bin Faisal University	Ongoing

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

Administrative Responsibilities

#	From	To	Position	Organization
1	June 2016	Present	Vice Dean of Academic Affairs	Imam Abdulrahman bin Faisal University
2	December 2015	June 2016	Assistant Vice Dean of Academic Affairs	Imam Abdulrahman bin Faisal University

Committee Membership

#	From	To	Position	Organization
1	13/01/1439	Present	Head of Practical Training Development	Imam Abdulrahman bin Faisal University
2	03/11/1434	12/03/1438	Head of Website committee	CAMS, Imam Abdulrahman bin Faisal University
3	04/11/1434	Present	Member of Research Support Unit	CAMS, Imam Abdulrahman bin Faisal University
4	18/12/1437	Present	Curriculum development of (Health Track) preparatory year	Imam Abdulrahman bin Faisal University
5	12/04/1438	Present	Member of CLS postgraduate program curriculum committee	CLS, Imam Abdulrahman bin Faisal University

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

1	Software: GelComapr II 6.6 for & SnapGene
2	Molecular Techniques: Genetic fingerprinting, Cloning, PCR, qPCR, cloning using homologous recombination & Western Blotting
3	Tissue Culture: Creating stable cell lines, proliferation assays, CCK8 & Transfection.

Last Update

07/01/2018