



Mohammad A. Al hamad

Assistant Professor

Personal Data

Nationality | Jordanian

Date of Birth | 20/07/1971

Department | Pathology

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Language Proficiency

Language	Read	Write	Speak
Arabic	excellent	excellent	excellent
English	very good	very good	very good
Others (Italy)	good	good	good

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2011	PhD	University of Pisa	Italy
2001	MSC	Jordan University of science and technology	Jordan

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

PhD	The Pathogenic role of human mammary tumor virus (HMTV) in human breast cancer
Master	The expression of ER, PR, and Her-2/neu in human breast cancer in Jordan
Fellowship	The expression of EBV, MMTV, and HPV in human breast cancer

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Assistant professor	Molecular pathology/Pathology	Dammam university	19/2/2012 – to date
Section Head of Cytogenetics		KFUH/Saudi Arabia	Jan 2013 – to date
Section Head of molecular and Cytogenetics		KAUH/Jordan	May 2011 – January 2012



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	Matalka I, Al Hamad M, Al-Hussaini M, Alzoubi FQ.	The incidence of Epstein-Barr virus in nasopharyngeal carcinoma of Jordanian patients.	Eur Arch Otorhinolaryngol. 2012 Jan;269(1):229-34
2	Chiara Maria Mazzanti, Mohammad Al Hamad, Giovanni Fanelli, Cristian Scatena, Francesca Zammarchi, <i>et al.</i>	A Murine Mammary Tumor Virus <i>env</i> -Like Exogenous Sequence Is Strictly Related to Progression of Human Sporadic Breast Carcinoma.	Am J Pathol. 2011 Oct; 179(4):2083-90.
3	Almasri NM, Al Hamad M..	Immunohistochemical evaluation of human epidermal growth factor receptor 2 and estrogen and progesterone receptors in breast carcinoma in Jordan.	Breast Cancer Res. 2005; 7(5):R598-604

Current Researches

#	Research Title	Name of Investigator(s)
1	RAD51 polymorphism in CD44+CD24 ⁻ /low tumorigenic cells in sporadic breast cancer	Mohammad Al Hamad Dalal Al tamimi Mohammed Al Shawarby Haitham Kussaibi

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	FISH and Abbott Polaris Oncology Academy	Dubai, 6 May 2013	attendant
2	2 nd update in laboratory medicine	KFUH, 4 April 2013	attendant
3	Strategies for improving research outcome	University of Dammam, 15-17 September 2012	attendant
4	Recent advances in surgical pathology from morphology to molecular diagnosis	KFSH, 15-16 May 2012	attendant

Teaching Activities



Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Clinical histotechnology	424 MSML	17 lectures
2	Histopathology & Histotechnology	221MSML	10 lectures

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

1	Clinical histotechnology course focus on cytology techniques, screening of cytology slides. The course also focus on the whole histopathology techniques, the problems that face the technicians and how to handle them.
2	The histopathology and histotechnology course is an introductory course to histopathology that deals with cell injury, inflammation and neoplasia. During this course the students will learn the whole processes and histological techniques starting from receiving specimens till issuing stained slides.

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Pathology and molecular basis of the disease	821 MSML	11 lectures
2	Human Genetics	813 MSML	12 lectures
3	Molecular biology	819 MBDC	10 lectures

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

1	Pathology and molecular basis of disease is an advanced course that focused on the molecular aspects of diseases. At the end of this course the students will be familiar with the molecular bases of cell injury, as well as the molecular aspects of cell transformation from benign to malignant, and how those molecular changes help in diagnosis, prognosis as well as treatment.
2	Human genetics is an advanced course that will focus on the study of the cell and cell division and chromosome structure and replication. Numerical and structural abnormalities of autosomes and sex chromosomes will be covered. Cancer Cytogenetics will be emphasized.
3	Molecular biology: This course designed for resident doctors of histopathology and hematopathology. This course will focused on DNA and RNA structures, replication, transcription, translation, the molecular bases cell cycle, and the molecular biology of cancer.

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



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

1	Design probs for FISH & CISH, Sequencing (pyrosequencing, applied biosystem 31 30xL genetic analyzer), fragment analysis (capillary electrophoresis)
2	PCR, RT PCR, Tissue culture: primary tissue culture of mammary tumor
3	Laser capture microdissection technique
4	Immunohistochemistry and Insituhybridization(CISH, FISH)

Last Update

12 August, 2013