

# Curriculum Vitae

Name : Maha Ahmad Mohamad Qadan  
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## Education

**M. Sc. Degree in Medical Laboratory Sciences** – Faculty of Medicine / Graduate Studies – with an average of ( 3.50 out of 4 ) Rating : ( Very good ). From 2000/2001 to 2003/2004, The University of Jordan.

The research was in Molecular Biology, so I learn how to deal with DNA, DNA extraction, polymerase chain reaction, agarose gel electrophoresis, and evaluation of the result. The title of my Thesis was Some genetic variations in Jordanian women with a history of unexplained recurrent spontaneous abortion. So the research was in genetic polymorphism and its association with recurrent abortion, the gene we investigated was the constitutive endothelial nitric oxide synthase in intron 4, and I found a new polymorphic pattern of this gene that did not reported in the literature before in the world, and I confirmed this new allele by sequencing with the help of my supervisor.

**B. Sc. Degree in Biological Sciences** – Faculty of Science – with an average of (79.0%) Rating : ( Very good ). From 1990 to 1994, The University of Jordan.

## Experience

**1) Philadelphia University - The department of Biotechnology and Genetic Engineering: Fall semester 2007/2008 till now; Full Time Lecturer for Biology (1) and (2) courses (Theory and Practical).**

**Philadelphia University - The Department of Biotechnology and Genetic Engineering: Fall and Spring semesters (2005/2006 and 2006/2007); part time Lecturer for Biology (1) and (2)courses (Theory and Practical) and other courses such as Nutrition and Human and Environment.**

**2) Jordan Hospital : 5 years, from 1/2/1996 to 1/12/2000**

Department of Pathology and Laboratory Medicine, Lab Technician.

Departments that I worked in through my experience:

- Reception and out patients department with full experience in peripheral blood withdrawing.
- Hematology with various technique in this department.
- Biochemistry, by dealing with different instruments such as Hitachi-911, Cipa-Corning Express, AVL-9130, ELE. Analyzer, ABL-50 Blood Gas, Spectrophotometers, and dealing with different special tests in this department.
- Serology and Immunology : Beckman, IMX, TDX, Wizard Gamma Counter1470.
- Microbiology : Experience in various culture technique including Bactec 9050 system, experience in various staining technique.

- Body fluids departments : Experience in different body fluids analysis, including Urine, C.S.F, Synovial fluid, Peritoneal fluid, Seminal fluid analysis and others.
- 3) Jordan University Hospital : 6 month, 8/1992–10/1992, 8/1993–10/1993, and 8/1994–10/1994. Full work in all departments of the lab, lab technician.
- 4) The Islamic Hospital : 4 month, 10/1994 – 12/1994, 4/1995 – 6/1995. Full work in all departments of the lab, lab technician.
- 5) Arcome Medical laboratories : 7/1994 – 1/1995. Lab technician in all general areas of the lab.
- 6) Spectrum Scientific Company : 1/1995 – 1/1996. Sale representative and purchasing

### **Research Training and Experience**

- Molecular Biology Laboratory - Faculty of Medicine, The University of Jordan.
  - Genetic polymorphism, endothelial nitric oxide synthase gene, DNA extraction, Polymerase Chain Reaction, Gel electrophoresis, DNA Sequencing and results explanation in unexplained recurrent spontaneous abortion.
  - Genetic polymorphism, endothelial nitric oxide synthase gene, DNA extraction, Polymerase Chain Reaction, Gel electrophoresis, and results explanation in diabetic patient.
  - The above researches were sent for publication in specialized Journals.
- Participation in the Biotechnology and Genetic Engineering department with faculties in different research related to Biotechnology and Genetic Engineering in Philadelphia University.

### **Workshops and Training**

- Training workshop in I.V.F (*In vitro* Fertilization) in The Specialty Center for Fertility and Genetics – Specialty Hospital.
- Training workshop in Micropropagation, tissue culture with a team from McGill University with the association with Jordan University.
- Workshops for different studies on Drugs in Jordan Hospital.

### **Invited Talks**

- The International Symposium "Brussels 15-17 May 2008" "New trends in clinical biology, emerging technologies and their impact on laboratory medicine and management" "Endothelial nitric oxide synthase genetic polymorphism in Jordanian women with unexplained recurrent spontaneous abortion" in which we presented the new novel polymorphic allele that was reported in our study as the first who reported such polymorphism.
- The 1<sup>st</sup> Pan Arab Fertility Congress which was held in 27-29 April 2005, Jordan, in which I presented my research of Master Degree as a scientific paper "Endothelial nitric oxide synthase genetic polymorphism in Jordanian women with unexplained recurrent spontaneous abortion"

### **Attended Conferences and Meetings**

- **American Association for Cancer Research International Conference, Advances in Cancer Research: From the laboratory to the Clinic.** Which

was held in the Dead Sea, Jordan from Sunday, March 16 – Wednesday, March 19 2008. Attendance and active participation.

- Second Jordan Society of Pathology and Laboratory Medicine International Conference 2006, Amman – Jordan.
- The First Pan Arab Fertility Congress, 27-29 April 2005, Amman – Jordan.
- The Jordanian Conference of Biological and Medical Laboratory Sciences, 12-13 September, 2001, University of Jordan.
- The First Scientific Day for Biotechnology and Genetic Engineering department 2006, Philadelphia University, Jarash, Jordan.
- The Second Scientific Day for Biotechnology and Genetic Engineering department, 2006, Philadelphia University, Jarash, Jordan.
- McGraw – Hill Biology Symposium with Dr. Robert Brooker, 26 April 2008, Amman – Jordan.
- Participation in different Scientific Seminars and Lectures in Jordan in fields such as Stem Cell Research, Genetic Reprogramming, Cancer Biology, Molecular Biology, Therapeutic Cloning, Gene Therapy, Cellular Aging, Genetic Polymorphism, and Molecular Genetics.
- I am a member of Jordanian Society of Molecular and Genetic.
- I am a member of Jordanian Society of Medical Laboratories.
- I have a license in Medical Laboratories Sciences as a specialist in Medical Technology in Laboratory Sciences.

## **Other Activities**

- Good English with a score of 217 in TOEFL (CBT).
- Good experience in using the computer such as Window, Excel, Power point, Microsoft word, Typing and scanning and the Internet.
- Excellent presentation style.
- Exceptional skills in team work and interpersonal communication.
- Involvement in different scientific and activities in Biotechnology and Genetic Engineering department at Philadelphia University.
- Preparing for GRE with high score.
- Searching for admission in one of the U.S.A Universities with Graduate programs in Cellular Biology, Molecular Biology, Cancer Biology, Reproductive Biology and Developmental Biology. That covers topics such as Stem Cell Research, Genetic Reprogramming, Cancer Biology, Molecular Biology, Therapeutic Cloning, Gene Therapy, Cellular Aging, Genetic Polymorphism, and Molecular Genetics. To continue my study for the Ph.D degree.