

CURRICULUM VITAE



Ghalia Abou Alchamat

Ph.D. in Molecular Genetics

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PROFESSION

At present: Associate Professor at Department of Biology, Faculty of Sciences, Damascus University. **Member of the Scientific Committee** of Syrian Scientific Olympics for biology.

March 2012- October 2017: lecturer at department of biology, faculty of Sciences, Damascus University. **March 2001 -2011:** Assistant teacher at faculty of Sciences, Damascus University.

1999- until February 2001: Instructor of practical courses at Damascus University.

Academic studies

PhD thesis in Molecular Genetics “Distinction”

Department of biology, faculty of Sciences, Damascus University.

Defence date: January 31th 2011

PhD topic: **A study of mutations in androgen receptor gene, AR for XY constitution in a sample of infertile men in Syria.**

PhD supervisor: Prof. Mouhee al deen Issa and Dr. Marwan AlHalabi **MSc thesis in Molecular Genetics, “Distinction”⁴⁴**

Department of biology, faculty of Sciences, Damascus University.

Defence date: July 9th 2007

Thesis topic: **Molecular study of Y chromosome and abnormalities associated with infertility in men**

Supervisor: Prof. Mouhee al deen Issa and Dr. Marwan AlHalabi **Diploma in Biological Sciences, “Good“**

Department of biology, faculty of Sciences, Damascus University 2001 **Bachelor of Natural Sciences, “Very Good“**

Faculty of Sciences, Damascus University 1999

Distinction Awards: A1 BASEL award for academic transcendence Damascus University, 1998

Teaching Experience :

Currently: Teaching **Biology** courses for first year students, at Faculty of Pharmacy **Aljazeera University** Teaching **Research Methodology** for MSc students, at Department of Biology, Faculty of Sciences, Damascus University

Teaching theoretical and practical courses in **Molecular Genetics** for MSc students, at Department of Biology, Faculty of Sciences, Damascus University

Teaching theoretical and practical courses in **Molecular Genetics and Genetic Engineering**, for fourth -year branch Biochemical Sciences, at Department of Biology, Faculty of Sciences, Damascus University.

Teaching theoretical and practical courses in **Genetics and population Genetic**, for fourth -year, at Department of Biology, Faculty of Sciences, Damascus University

Teaching **Essential Genetics** for first year students, at Department of Biology, Faculty of Sciences, and Damascus University.

2012-2014: Teaching theoretical and practical courses in **General Histology** at University of Kalamoon. Teaching theoretical and practical courses in **Oral & dental Histology** at University of Kalamoon. **2001-2005:** Teaching practical courses in **Molecular Genetics and Genetic Engineering**, third -year branch Microbiology as well as branch Biochemical Sciences for fourth year students, also teaching **Population Genetics**, fourth-year branch Environmental Sciences.

1999- 2001: Teaching practical courses in **Zoology** (Animal Life 1;Cell, Tissue, Genetics), first year biology as well as **Genetics** for students of the fourth year branch Biochemical Sciences, also teaching practical courses in **Animal Physiology-1** (Nervous and hormonal coordination) and **Animal physiology-2** (Functions nutrition) for third -year, branch biochemical sciences.

Supervisor of several Master thesis in the field of Molecular Biology and Molecular Genetics.

Research Skills and interests:

Cell and tissue culture, conventional and molecular cytogenetic techniques; Karyotyping, fluorescence in situ hybridization (FISH).

PCR, Real Time PCR.DNA Sequencing, Fragment Analysis.
As well as the use of computer programmes for result analysis.
Computer processing

Scientific Participations & Training courses:

Participation in the 27th International Biology Olympiad, 17-23 July 2016 Hanoi, Vietnam
Participation in the 17th annual scientific meeting of the Middle East Fertility society (MEFS).
6-9

October 2010 Omayyad Palace ,Damascus, Syria.

Participation in the Pre-Congress Workshop" Pre Implantation Genetic Diagnosis" 6 October
2010 Orient Hospital Damascus, Syria.

Participation in the practical course "Applications of Molecular Diagnostics on Human
Diseases, Prevention and Treatment".6 -14 April 2009 Atomic Energy Commission
(AECS)Damascus, Syria. Participation in the 6th International Workshop on “Application of
Advanced Molecular Methods for Diagnosis of Human Genetic Diseases”. 13-16 May 2008
National institute of Genetic Engineering and Biotechnology (NIGEB) Tehran, Iran.

Visiting Researcher at the Centre of Innovative Diagnostic Genetics and Institute of Human
Genetics. November 2006.University of Saarland Homburg, Germany

(One month Scholarship awarded by The German Academic Exchange Service (DAAD) Bonn).

Publications:

Ammar Madania, **Ghalia Abou Alchamat**, Marwan Alhalabi, Ifad Ghoury, Maher Orabi,
Hana Zarzour, Alaa Albarghash (2018) **Inhibin a gene -16C > T and 769 G >A polymorphisms
in Syrian women with idiopathic premature ovarian failure** *Middle East Fertility Society
Journal* 23; 4851.

<https://www.researchgate.net/publication/318642810>

Ghalia Abou Alchamat, Ammar Madania, Marwan Alhalabi, (2017) **Mild androgen insensitivity
syndrome (MAIS): the identification of c.1783C>T mutation in two unrelated infertile
men.***BMJ Case Rep.* 28; 220361.

<https://www.ncbi.nlm.nih.gov/pubmed/28659371>

Dania Skhal, **Ghalia Abou Alchamat**, Ayman Al Mariri, Samar Al Nahhas (2017) **Prevalence of Giardia duodenalis assemblages and sub-assemblages in symptomatic patients from Damascus city and its suburbs.** *Infection, Genetics and Evolution* 47, 155-160.

<https://www.ncbi.nlm.nih.gov/pubmed/27919804>

Yaman Alghamian, **Ghalia Abou Alchamat**, Hossam Murad and Ammar Madania (2017) **Effects of γ - radiation on cell growth ,cell cycle and promoter methylation of 22 cell cycle genes in the 1321NI astrocytoma cell line.** *Advances in Medical Sciences* 62, 2, 330-337.

europepmc.org/abstract/med/28511071

Dania Skhal, **Ghalia Abou Alchamat**, Samar Al Nahhas (2016) **Giardia duodenalis in Damascus, Syria: Identification of Giardia genotypes in a sample of human fecal isolates using Polymerase Chain Reaction and Restriction Fragment Length Polymorphism analyzing method.** *Acta Tropica* 154 1-5. <https://www.ncbi.nlm.nih.gov/pubmed/26524628>

Abdullah Hassan, **Ghalia Abou Alchamat**, Ali Ajlouni (2015) **Investigating Mediterranean (p.Ser188Phe) mutation in G6PD gene amongst hemolytic anemia patients.** *Damascus University journal for basic science DUJBS* 31,150-155

Yaman Alghamian, **Ghalia Abou Alchamat** Ammar Madania (2015) **Relationship between methylation status of human astrocytoma 1321NI cancer cells and radiosensitivity to ionizing radiation.**

Damascus University journal for basic science DUJBS 31,130-140

Marwan Alhalabi, Basem Jaber, Bilal Al-Baroudi and **Ghalia Abou Alchamat** (2014) **A Rare Inherited Reciprocal Translocation Found in Two Male Infertile Siblings.** *JFIV Reprod Med Genet* 2: 120. <https://www.researchgate.net/.../290838412>

Alhalabi Marwan; Kenj Mazen; Monem Fawza; Mahayri Zaina; **Abou Alchamat Ghalia**; Madania Ammar (2013) **High prevalence of genetic abnormalities in Middle Eastern patients with idiopathic nonobstructive azoospermia** *Journal of Assisted Reproduction and Genetics Hum.* 30(6):799-805. <https://www.ncbi.nlm.nih.gov/pubmed/23615726>

Madania A, **Abou Alchamat G.**, Alhalabi M , Ghoury I, Al Zeibak R, Zarzour H, Issa M. (2012)

Screening for mutations causing male infertility in the AR gene: identification of the del Leu57 mutation. Acta Endocrinologica (Buc)(3) . 357-368.

<https://www.researchgate.net/.../276231746>

Abou Alchamat G, AlHalabi M, Issa M. (2010) **A Case report of an XX male with complete masculinization but absence of the SRYgene.** *Middle East Fertility Society Journal* 15, 51-53.

<https://www.sciencedirect.com/science/article/pii/S1110569010000117>

Abou Alchamat G, Madania A, Issa M, AlHalabi M. (2010) **Associations between CAG repeat length &**

male infertility. *The 17th annual meeting of the Middle East fertility Society. Damascus, Syria (Abstract O-33)*

Abou Alchamat G, AlHalabi M, Issa M. (2010) **Genetic causes of idiopathic male infertility in Syria.**

The 17th annual meeting of the Middle East fertility Society. Damascus, Syria (poster P-35)

Abou Alchamat G, AlHalabi M, Issa M. (2010) **Genetic causes of idiopathic male infertility in Syrian men.** *Damascus University journal for basic science DUJBS* 26,177-192.

Abou Alchamat G, AlHalabi M, Issa M.(2009) **A Case report of a Reciprocal Translocation between chromosome X and chromosome 9 found in two infertile brothers inherited from their mother.**

Damascus University journal for basic science DUJBS 25,163-171.