

## Nada Mohammed Sherif Gomma Mohammed Alam-Eldin

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Salwa, Kuwait

ID No. 290021100156  
Marital Status: Married  
Nationality: Egyptian  
Born in Kuwait 11-2-1990



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### Summary Profile:

A skilled molecular biologist with research experience in varied methodologies and areas of studies. Following graduation I worked as a research technician at Dasman Diabetes Institute. There, I worked on a number of molecular biological laboratory tests, such as gel electrophoresis, RNA isolation, and PCR. During my first year of graduate school I worked on an *in vivo*-based experimental project, in which the effect of Minocycline and Indomethacin on microglia cells was studied in C57BL/6 mice. RNA was isolated from mice brains and tested by real-time PCR. During my thesis work, my area of studies was shifted to the proteomic profiling, as the aim of my work was to examine the effect of pH on the morphology of endocrine resistant breast cancer cells using live cell imagery, and analyzing their proteomic profiles using antibody arrays and confocal immunofluorescence of several proteins involved in cell adhesion and metastasis. A paper incorporating my results was accepted for publication in the International Journal of Oncology in February 2015. I have completed a review, indicating the role of the small non-coding (microRNA) in endocrine resistance and overall breast cancer malignancy. This review was submitted to the Medical Principles and Practice International Journal of Kuwait University Health Science Center in May 2015.

During my MSc. I was involved in teaching a number of various undergrad courses at both the Faculty of Science and the Health Science Center at Kuwait University.

Presently, I am working as a clinical research assistant on several research projects. I am involved in enrolling patients, collecting their medical history, coordinating their clinics and laboratory testing appointments. Currently, I am assisting in the conduction of different *in vitro* tests on blood/urine samples obtained from patients, as well as conducting patients' educational sessions for a mobile-based application for patients' food/exercise data entry.

**Education:**

March, 2015	Msc. in Molecular Molecular Biology <b>GPA: 3.86</b>
	Kuwait University, College of Graduate Studies, Kuwait
June, 2011	BSc. in Molecular Biology <b>GPA: 3.93</b>
	Kuwait University, College of Science, Kuwait
	Minor in Translation <b>GPA: 3.93</b>
	Kuwait University, College of Arts-English Language and Literature, Kuwait
June, 2007	High school – Fajer Al Sabah School, Kuwait <b>Degree: 97.7%</b>

**Scientific Work Experience:****Dasman Diabetes Institute, Kuwait****(July 2015 – Present)****Senior Clinical Research Assistant**

- Enrollment of patients in clinical trials, obtaining consent forms and acquiring medical history of patients
- Patients Education in electronic-based methods for the purpose of clinical trial data collection
- Conducting molecular-based experimental procedures on samples collected from patients
- Member of the Animal Care and Ethics Committee at Dasman Diabetes Institute

**Kuwait University, Kuwait****(September 2012 – June 2014)****Teaching Assistant****Courses taught:**

- Biology 101 (College of Biological Science, Kuwait University).
- Microbial Genetics (College of Biological Science, Kuwait University).
- Biochemistry (College of Pharmacy, Kuwait University).

**Dasman Diabetes Institute, Kuwait****(March 2012 – September 2012)****Research Technician**

- Ability to perform RNA Isolation, cDNA, Polymerase Chain Reaction, gel electrophoresis, and peripheral blood mononuclear cells isolation with full understanding of each process's concepts and bases.
- Enrollment of patients in clinical trials

**Kuwait University/ Mubarak Al-Kabeer Hospital, Kuwait****(July, 2011- September, 2011)****Research Assistant**

Collector of family medical-history from vascular thrombosis patients treated with Warfarin.

**Research/Scientific Skills:**

- Understanding basics of clinical trial practice and ethics; with an extensive experience in working with patients in health care settings.
- PCR, Real-Time PCR, Gel Electrophoresis, DNA & Protein extraction and Analysis. Chromosomes Preparations and Karyotyping, and Episome Curing.
- Western blot, proteomic profiling, Immunocytochemistry, ELISA and Immunoaffinity Chromatography.
- Plant & Animal tissue Culturing.
- Live-cell imaging and confocal microscopic imaging.
- Handling animals and performing both *in vitro* and *in vivo* experiments.

**Academic Skills:**

- Ability to write scientific research papers and reviews.
- Literature review and data analysis.
- Profound experience in leading undergraduate University classes and seminars as a graduate Teaching Assistant.
- Excellent presentation and communication skills; able to transfer knowledge with confidence and clarity.
- Professional translation (from English to Arabic and vice versa).

**Computer skills:**

- MS PowerPoint, MS Excel, MS Word.
- Mac OS.
- PERL Programming.
- NCBI, BLAST, Multiple Sequence Alignment, Protein Data Bank (rcsb), Swiss Institute of Bioinformatics (Expasy), and Primer Design (Primer3).
- Minitab/Prism Statistical Software.

**General Skills:**

- Reliable, highly motivated, and hard-working.
- Fully bilingual (English & Arabic)
- Excellent time management with a profound ability to work under stress.

**Scientific Communication:****• Publications**

- Khajah MA, Mathew PM, Alam-Eldin NS, and Luqmani YA. (2015), Bleb formation is induced by alkaline but not acidic pH in estrogen receptor silenced breast cancer cells. *Intl. J. Oncology* 46: 1685 – 1698.
- Luqmani YA, Alam-Eldin NS. (2015), Overcoming resistance to endocrine therapy in breast cancer; new approaches to a nagging problem. *Medical Principles and Practice* 25: 28 – 40.
- Ahmad R, Al-Mass A, Al-Ghawas D, Shareif N, Zghoul N, Melhem M, Hasan A, Al-Ghimlas F, Dermime S, Behbehani K. (2013), Interaction of Osteopontin with IL-18 in obese individuals: Implications for insulin resistance. *PLOS ONE* 8: 1- 9.

- **Conference Presentations**

- Poster Presentation - (5 - 7, May, 2015)

Invasion is Promoted by Alkaline pH-induced Bleb Formation in Endocrine Resistant Breast Cancer Cells

-20th Health Science Centre Poster Conference, Kuwait University, Health Science Center, Kuwait

**Courses & Certificats**

- Holds a certificate in Advancing Qulaity Improvmenr, Patient safety, and Exploring Tracer Methodology Workshop - **October, 2016**
  - Accreditation Canada International
- Accreditation Canada International workshop
- Holds a certificate in Communication Skills - **May, 2016**
  - Baker Tilly, Kuwait
- Holds a certificate of attendance in the 5<sup>th</sup> General Assembly and International Conference
- Women in Science and Technology for the Developing World - **May, 2015**
- Holds a certificate in Introduction to Clinical Trials & Clinical Trial Practice
  - The Institute of Clinical Research, UK - **October 2015**
- Holds a certificate in Protecting Human Research Participants
  - The NIH office of Extramural Research - **July 2015**
- Holds a certificate in Basic Laboratory Animal Handling & Management -**2012**
- Holds a certificate in Public Relationships -**2010**

**Volunteering Experience**

- Chairman of The Foreigner Communities (Kuwait University) -**2010**
- Administrative part time job (Kuwait University) -**2010**
- The Science Open day for Major Determination and Jobs Opportunities (Kuwait University) -**2011**

**Honors**

- Ranked 1<sup>st</sup> for top GPA in Molecular Biology Department -**2009-2010**
- Honorary Dean's List- College of Science. For each year and graduation year.
- Won several Certificates for Excellent Academic Achievements- College of Science.

## References

- Prof. Yunus Luqmani (Pharmaceutical Chemistry Department, College of Pharmacy, Health Science Center, Kuwait University).  
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- Dr. Maitham Khajah (Assistant Professor, College of Pharmacy, Health Science Center, Kuwait University)  
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- Dr. Maryam Al-Rasheed (Assistant Professor, College of Science, Biological Science, Kuwait University)  
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- Dr. Nadia Zghoul (Clinical Research Scientist, Clinical Research Department, Dasman Diabetes Institute, Kuwait)  
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- Dr. Adel Ahmad (Director of Clinical Research Department, Dasman Diabetes Institute, Kuwait)  
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