



Walaa Bayomie El Gazzar

Assistant Professor, medical biochemistry department, faculty of medicine, Benha University, Egypt

Born	September 20, 1981, Egypt
Nationality	Egyptian
Present occupation	Assistant Professor, Basic medical sciences department, Faculty of Medicine, Hashemite university, Jordan
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Summary of Qualifications

- 12 years of experience in research and teaching.
- Quality manager deputy in Molecular Biology Unit -Faculty of Medicine Benha University, Egypt.
- Member of committees of Quality Assurance and Accreditation System (QAAC).
- Member of the Board of examiners for post and undergraduate exams.

Educational Qualifications

- **PhD** (Medical Biochemistry and Molecular Biology), faculty of medicine, Benha University, Egypt, 2014

Thesis titled: "Interferon Inducible protein (IP10) and IL28B gene polymorphisms as predictive biomarkers for response to viral hepatitis C therapy in Egypt".

- **M.Sc.** (Medical Biochemistry and Molecular Biology), faculty of medicine, Benha University, Egypt, 2010

Thesis titled: "Expression of Adiponectin Receptors in Human Placenta and Its Possible Implication in Gestational Diabetes".

- **M.B.B.Ch.** (Hons), faculty of medicine, Benha University, 2004.

Professional Experience

Benha University	
2006 to 2010	Demonstrator, Benha University, faculty of medicine, Medical Biochemistry and Molecular Biology department.
2010 to 2014	Teaching Assistant, Benha University, faculty of medicine, Medical Biochemistry and Molecular Biology department.
2014 - 2016	Assistant Professor, Benha University, faculty of medicine, Medical Biochemistry and Molecular Biology department.
2016-present	Assistant Professor, Basic medical sciences department, Faculty of Medicine, Hashemite university, Jordan

- Teaching and preparing the course materials for post and undergraduate students

Publications

1. OA Abdullah, WB El Gazzar, TI Salem, MN Elmohamady, SN Nasif & SM Eltahir (2019) miR-15a: a potential diagnostic biomarker and a candidate for non-operative therapeutic modality for age-related cataract, British Journal of Biomedical Science, DOI: 10.1080/09674845.2019.1639337
2. OA Abdullah, WB El Gazzar, TI Salem & EA Al-Kamil (2019) Role of extracellular matrix remodelling gene SNPs in keratoconus, British Journal of Biomedical Science, DOI: 10.1080/09674845.2019.1654346
3. Madboly AG, Alhusseini NF, Abd El Rahman SM, El Gazzar WB, Idris AMM (2019): Serum miR-122 and miR-192 as biomarkers of intrinsic and idiosyncratic acute hepatotoxicity: a quantitative real-time PCR study in adult albino rats. J Biochem Mol Toxicol., 33 (7):e22321. doi: 10.1002/jbt.22321.
4. Nesrine E., Inas A., Noha I., Arigue A., Ayman S., Amal M., Ola M., Walaa B., Safwa M., Yasmin S., Ahmed M. and Dina S. (2018): Mesenchymal Stem Cell-Derived Exosomes Ameliorated Diabetic Nephropathy by Autophagy Induction through the mTOR Signaling Pathway, Cells 2018, 7, 226; doi:10.3390/cells7120226
5. Inas A. ,Walaa B., Hammouda S., Taghreed A. and Iman M. (2018): MIR-143 AND STEMNESS MARKERS: CLINICAL AND PATHOLOGICAL IMPLICATIONS IN BLADDER CANCER, Arab. J. Lab. Med. Vol. 43, No. 2 : 337- 351

6. Mona M. Allam & Walaa B. El gazzar (2017): Exendin-4, a glucagon-like peptide-1 receptor agonist downregulates hepatic receptor for advanced glycation end products in non-alcoholic steatohepatitis rat model, Archives of Physiology and Biochemistry, DOI:10.1080/13813455.2017.1348362
7. Walaa B., Shaymaa M. , Mohamed N. , Ahmed M. , Usama S. (2017): The -863 TNF- α Polymorphism and Primary Open Angle Glaucoma in Egyptians, American Journal of Biochemistry and Biotechnology, 13 (2): 85.89 DOI: 10.3844/ajbbbsp.2017.85.89
8. Naglaa F, Mosaad M, Mohammed A, Walaa B, Amr A (2010): Expression of Adiponectin Receptors in Human Placenta and Its Possible Implication in Gestational Diabetes. American Journal of Biochemistry and Biotechnology 6 (2): 136-140.

Thesis Supervision

- The effect of telomerase inhibition on Alpha-Fetoprotein expression in hepatocellular carcinoma cell line.((Master Degree in Medical Biochemistry and Molecular Biology)
- ENDOCAN: a potential biomarker in Rheumatoid Arthritis, systemic sclerosis and Behçet's disease. (Master Degree in Rheumatology, Rehabilitation and Physical Medicine)

Proficiency Forte

- **Workshops:**

-Stem cell between reality and dream in molecular biology unit -faculty of medicine Benha University.

-Real time PCR in molecular biology unit -faculty of medicine Benha University

- **Seminars:**

- Cell cycle
- DNA replication
- HCV story comes to the end

- **Techniques Knowledge :**

- DNA, RNA extraction
- RT-PCR, qRT-PCR
- Electrophoresis
- ELISA