

# Curriculum Vitae

## Personal Information:

**Name:** *Fatma Mahmoud Abdelwahed Mohamed*

**Title:** *Lecturer of Medical Biochemistry and Molecular Biology, Biochemistry and Molecular Biology Unit, Cancer Biology Department, National Cancer Institute, Cairo University.*

**Date of birth:** *1<sup>st</sup> of Jan., 1987.*

**Address:** *Future city for army officers- Al-shrouk- Cairo.*

## Contact information:

**Cellular phone:** *01017600618*

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**Mailing address:** *Cancer Biology department, National Cancer Institute, Fom El-Khalig, Cairo, Egypt.*

## Education:

- 2008:** *Bachelor Degree in Science (very good with honor), Faculty of Science, Tanta University, Egypt.*
- 2009:** *Diploma at Analytical Biochemistry (excellent with honor) , Faculty of Science, Menofia University*
- 2015:** *MSC. Degree in Biochemistry and Molecular Biology, Faculty of Science, Ain shams University*
- 2022:** *M.D. Degree of Medical Biochemistry and Molecular Biology, Cancer Biology, National Cancer Institute, Cairo University.*

## Employment Record:

- until now:** *Research and teaching duties.  
Medical Biochemistry and Molecular Biology unit, Cancer  
Biology department, National Cancer Institute, Cairo University,  
Egypt.*
- Pursuing my Research in Cancer Biology department, National  
Cancer Institute, Cairo University, Egypt.*
- Secretary of the cancer Biology Department Council, NCI, Cairo  
University for the academic year October 2022-september2023*
- Member in the control committee in the National Cancer institute  
(NCI), Cairo University from January 2022 till now.*

## Experiences:

- **Research experience:**
  - a) Good experience in extraction of DNA, RNA and PROTIEN from different types of samples even tissue, serum or plasma, cell lines and paraffin sections.*
  - b) Good experience in dealing with different types of PCR, **RT.PCR, Real time PCR** (Viia7instrument).*
  - c) Detection of mutation using a Single-strand conformation polymorphism technique (**SSCP**).*
  - d) Detection of genotyping using a Restriction fragment length polymorphism technique (**RFLP**).*
  - e) Good experience in c-DNA preparation and **Immunohistochemistry** technique.*
  - f) Good experience in dealing with softwares concerning with data analysis of gene expression profiling and clustering.*
  - g) Good experience in **Tissue culture techniques***
  - h) Good experience in **ELISA technique***
  - i) Good experience in different protein detection techniques such as: **western blot and zymography techniques***

- j) Good experience in animal experimentation techniques*
- k) Little experience in **molecular cloning and methylation techniques***
- l) Good experience in using spectrophotometer and nanodrop techniques, gel electrophoresis, Buffers preparation and PH adjustment*
- m) Good experience in basic laboratory biosafety Rules.*
- n) Good experience in sampling registration, processing and reporting.*
- o) Background of clinical analysis (serology, paracytology, bacteriology, histopathology, biochemistry and blood diseases tests)*

- **Teaching experience:**

- a) Participated in teaching of Molecular Biology course for M.Sc. students for the year 2023.*
- b) Participated in teaching of practical courses for undergraduate students every year from 2009 till now*
- c) Involved in many basic workshops and seminars concerning the following topics:*
  - 1- Molecular biology.*
  - 2- Essential protein techniques in cell biology.*
- d) Participated in the weekly Journal Club in our department.*
- e) Participated in the weekly Scientific conference day in our Institute.*

- **Quality Control Assurance**

*Quality standard coordinator for faculty members and supporting staff from January 2022 till now*

- **Participation in Thesis supervision**

## **Language Knowledge:**

**Arabic:** *Native tongue.*

**English:** *Very good.*

**IBT TOEFL test:** *I got The Test of English language proficiency (TELP) equivalent to TOEFL on 13/3/2011.*

**GRE test:** *Still in progress.*

## **Computer Skills:**

- 1-Microsoft office (Word, Excel, and Powerpoint).*
- 2-ICDL certificate.*

## **Activities and received courses:**

- Courses:**
- *International Publishing of research course, Cairo University*
  - *E-learning, Cairo University*
  - *Communication skills, Cairo University*
  - *University code of Ethics course, Cairo University*
  - *Competing for research fund course, Cairo University*
  - *Total Quality Management in Healthcare (for the Medical Sciences Sector), Cairo University*
  - *Competitive research projects, Cairo University*
  - *The Test of English language proficiency (TELP) equivalent to TOEFL on 13/3/2011.*
  - *Workshop of Bioinformatics at biochemistry centre ,Faculty of Pharmacy, Cairo University*
  - *SPSS workshop at Institute of Statistical Studies and Research, Cairo University*
  
  - *Trained at the microbial genetics lab of the Genetic Engineering Dept. of The National Center For Research (Dokki-Giza),15 July-30 August 2007.*
  - *Trained at Tanta Fever Hospital in clinical analysis (Biochemistry Lab.,Serology lab.,Paracytology lab.,Bacteriology lab. And clinical pathology lab.) from 1 November2008 till 22 Mars 2009.*
  - *Trained at Delta Lab for clinical analysis, Tanta, 2008.*
  - *Artificial Intelligence in drug discovery and development, August 31,2023*
  - *Delivering Basics of molecular biology and tissue culture workshop,*

held in cancer biology department National cancer institute , Cairo University from the year 2009 till year 2022

- Quality workshop in onco Egypt conference at semiramis intercontinental, cairo, Egypt, 6 nov, 2023

## Conferences:

- *Conference of The 15<sup>th</sup> annual multidisciplinary symposium on Breast Disease & the first international Breast Health Educational program.24-27 october,2009*
- *Conference of The 1<sup>st</sup> Annual meeting of the Middle – eastern Association for cancer research(MEACR): cancer research from bench to clinic.27-28 december, 2011*
- *Conference of 3<sup>rd</sup> international conference of Photodynamic and Nanomedicine for Health sciences. 2-7 january,2015*
- *Conference of Role of Biochemistry and Molecular Biology in Drug discovery and Disease Diagnosis in 15-17 march 2015*
  
- *Aposter in (Role of Biochemistry and Molecular Biology in Drug discovery and Disease Diagnosis conference) in 15-17 march 2015*
  
- *Educational Activity titled : National Cancer Institute Annual Congress: Bridging Gaps in Oncology 2018 certified by The American Association of Contributing Medical Education: The committee for Review & Recognition that was held on November 7-9,2018*
  
- *Accepted abstract for oral presentation at Egyptian Fourth International Conference in Chemistry,24th Egyptian Conference in Chemistry “Innovation in Chemistry and Future Life”11-14December 2018, Marsa Alam*
  
- *Annual meeting of the EGYPTIAN CANCER RESEARCH NETWORK (ECRN) in collaboration with EGYPTIAN SOCIETY OF RESPIRATORY*

***NEOPLASMS (ESRN) and scientific sessions from faculty of the international association for the study of lung cancer (IASLC), 15<sup>th</sup>-16<sup>th</sup> June, 2023, Cairo , Egypt.***

- *First international conference on Cancer :Treatment & Diagnosis” 15-16 october 2023, National Research Center, cairo*
- *Annual congress of NCI , Cairo University, Bridging gaps in Oncology, 30 november- 1 December,2023 Intercontinental city stars, Cairo*
- *Sharkia Endocrinology & Diabetes Association (SHEDA) 8-9 november 2023 grand Nile tower hotel, cairo*
- *OncoEgypt 2023 conference 5-6 november 2023*
- *16<sup>th</sup> Breast, Gynecological & Immunooncology International Cancer Conference, creation & Illumination, 18-19 january 2024*

**Publication:**

*“Anti-cancer effect of Hyoscyamus muticus extract via its activation of Fas/FasL-ASK1-p38 pathway” in Biotechnology and Bioprocess Engineering journal, 2022*

*"Thymoquinone Suppresses Angiogenesis in DEN-Induced Hepatocellular Carcinoma by Targeting miR-1-3p" in IJMS ,2022*

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*“Evaluation of miRNA-200c and  $\beta$ III tubulin as promising markers for clinical decision making in locally advanced breast cancer patients receiving taxanes therapy” in Gene Reports 33 (2023) 101829*

