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Lecturer of Biochemistry, Chemistry Department,
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Nationality: Egyptian

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Marital Status: Married

Military Status: Exempted

QUALIFICATION

- **B.Sc. in Chemistry and Biochemistry**, Faculty of Science, Helwan University, Cairo, Egypt, Very good with degree of honor, May 1999.
- **Master degree in Biochemistry**, Faculty of Science, Helwan University, Cairo, Egypt, May 2005. "Serodiagnosis of Active Schistosomiasis".
- **Ph.D. In Biochemistry**, Faculty of Science, Helwan University, Cairo, Egypt, 2014. "Studying Genetic and Structural Adaptational Changes in Spastic Muscle of Cerebral Palsy Children after Injection with Botulinum Toxin type –A".

WORK EXPERIENCE

▪ **October,1999–December,2000**

Delegated for teaching practical Chemistry courses, Chemistry Department, Helwan University.

▪ **January 2001- May 2004**

Funded Researcher student at Chemistry Department Helwan University

▪ **September 2002- May 2004**

Part timer Medical Representative for Allergan Pharmaceuticals Company.

▪ **Jun 2004-February 2008**

Product specialist, Botox® Neuroscience , Allergan Egypt

▪ **Jan 2007-February 2008**

Senior Product specialist and **Field Trainer**, Botox® Neuroscience , Allergan Egypt

▪ **March 2008-February 2009**

Business Developing Manager for Neuroscience line, Allergan Scientific office, Egypt.

▪ **February 2009 & December 2014**

Assistant lecturer of Biochemistry, Faculty of Science, Helwan University.

Jan 2015- ongoing

Lecturer of Biochemistry, Faculty of Science, Helwan University

July 2015- ongoing

Certified Trainer at FLCD, Helwan Univvesity

All of these 15 years' experience, my job description included planning, implementation, organization, co-ordination, coaching and supervision in a team-based and multicultural business.

FIELDS OF INTEREST

Molecular Biology - Proteomics -Structural Biology

SKILLS

Language skills

Arabic: mother tongue

English: Very good, **IBT-TOEFL** score is **89** (April, 2011).

Computer skills

Valid ICDL (International Computer Driving License)

Statistical Analysis using SPSS 17

Bioinformatics : Web Based recourses for Gene expression analysis for qRt-PCR

Software: Oligo 7 for primer design, Genius 7.

Laboratory Skills:

- **Master thesis training at Molecular Immunology lab, Faculty of Medicine for Girls, Al-Azhar University . Under supervision of Prof. Nabila ElSheikh & Prof. Soheir Maklad.** Through my master degree thesis, I have been able to develop my interest in Biochemistry, whilst improving my laboratory skills and my numeracy skills. I have gained an experience in protein quantification and Characterization using SDS-Polyacrylamid Gel Electrophoresis, Western Blotting and ELISA
- **Ph.D. thesis at R&D Laboratories, The Holding Company for Biological Products and Vaccines, VACSERA, www.vacsera.com,** on Conventional, Gradient & **Real Time PCR for gene expression analysis**, Protein Purification and Characterization using SDS_PAGE, under supervision of Dr. Gehan Galal, Director of R&D Sector

Soft skills and Business Training:

- **Objection Handling** given by RogenSi
<http://www.rogeni.com/Our-Values>, Allergan Middle East office, October 2013
- **Advanced Presentation Skills** RogenSi Co. , Allergan Middle East Meeting Sharm Elsheikh, February 2013
- **Asking Questions** By RogenSi Co , Allergan Middle East office October 2012

- **Situational Negotiation skills** by Bay group Allergan Middle East office , Feb.2012
- **Basic Negotiation skills** , Allergan Middle East Meeting 2011
- **Communication skills, Mind mapping & Leadership**, Cairo University, 2009
- **Presentation Skills.** Allergan sales Conference, Cairo 2008.
- **IIBAC** Allergan Scientific Office, Cairo 2006
- **Key account management and Strategic Planning**
Allergan Scientific Office ,Cairo 2005
- **Business Development Manager**, Allergan Scientific Office, Cairo 2005
- **Effective consultive selling** Allergan Scientific Office Cairo 2003
- **Basic selling skills** Allergan Scientific Office Cairo 2001

AWARDS, FELLOWSHIPS AND PROJECTS

- Capacity Building Project for Construction of the Bioinformatics Center, Faculty of Science, Helwan University, 2014.funded from Helwan University investment plan and Ministry of Planing.
- Make An Impact Award , Allergan Middle east office 2012
- Awarded a 3 years Master degree Scholarship from Helwan University in the field of Biochemistry, 2001.
- Ideal Student of Faculty of Science Helwan University, 1998.
- The Best sales performance in Allergan Pharmaceutical, Botox® line 2003, 2004,2005,2006,2007
- The Best Product Specialist in the Business region of Africa, Middle East & Eastern Europe; Allergan Pharmaceuticals, 2007.

ACTIVITIES :

- Certified trainer at FLDC, conducting training for faculty members in Competitive Research projects, Management of Research team and Conference Organization. (from July 2015 and ongoing)
- Group Leader for the Scientific Research file, Quality Control unit, Faculty of Science, responsible for planning activities, collecting, arranging, filing and documenting all data related to Faculty of Science research plan activities, under supervision of vice dean for postgraduate studies and scientific research (ongoing)
- Coordinator for post grad file, Quality Control unit, Faculty of Science, responsible for collecting, arranging, filing and documenting data related to Faculty of Science postgraduate activities, under supervision of vice dean for postgraduate studies and scientific research (ongoing)
- Coordinator for post grad programme, chemistry department (ongoing)
- Focal point for Helwan University International Grant Office at Chemistry Department (ongoing)
- Group Leader in Executive team of Quality Control Unit, and for the project "Continuous Improvement and Qualification for Accreditation" Faculty of Science, Helwan University 2009-2012.
- Field trainer and instructor for Basic training course on "using Botulinum Toxin in Neurological Science", Allergan Inc.
- Member in the Egyptian Association of Immunologists since 2003.
- Member in The Egyptian Society of Crystallography and its Application (ESCA) since 2012
- Instructor for "Basic techniques in protein Chemistry" workshop held at Molecular Immunology unit, Faculty of Medicine For Girls, Al Azhar University (2004).
- Presentation of the Master thesis work "Serodiagnosis of Active Schistosomiasis" at the 10th annual conference of the Egyptian society of immunologists. (November 2005) and published at the Egyptian journal of Immunologist (Jan 2007).
- participated in All conferences of the Egyptian Society of Neurologists (2003-2011)

CONFERENCES & WORKSHOPS:

- **Biovision 2016, Bibliotheca Alexandrina, 12-14 April 2016 Alexandria, Egypt.**

- **Electron Microscope and Visualizing Biological samples , Faculty of Science, Alexandria University 1-2 February, 2015**
- **Nanotechnology**
- **The 12th SESAME (Synchrotron-light for Experimental Science and Applications in the Middle East) User Meeting.** Amman, Jordon, 25-27 November 2014.
- **EMBL Conference on Myofibrillar Z-disk Structure and Dynamics ,14 - 17 October 2013, European Molecular Biology Laboratory, Hamburg, Germany**
- **11th International School & Workshop on “Macro-Molecular Structure of Biological and Non Biological Materials,** 18-22 November 2012, Hurghada, Egypt. The Egyptian Society of Crystallography and its Application (ESCA), In Cooperation with IUCr Commission on Biological Macromolecules.
- **From Genes to Atomic Structures: an Introduction to Synchrotron-Based Structural Biology,** ICTP (International Center for Theoretical Physics), Trieste, Italy, 23-27 April 2012.
- **Visualizing Biological Data-VIZBI 2012,** EMBO Conference series at EMBL 6-8 March (Virtual attendee).
- **X-ray Diffraction: From Data Collection to Computational Analysis,** 4-5 February 2012, Ras Sedr, Sinai, Egypt
- **Protein X-ray Crystallography at SESAME-JSPS School,(** Synchrotron-light for Experimental Science and Applications in the Middle East-Japanese Society for Promotion of Science) Amman, Jordon, 14-16 November 2011
- **“Bioinformatics: Computer Methods in Molecular Biology”,** organized at International Center for Genetic Engineering and Biotechnology(IGEB),Trieste, Italy, 20-25 jun 2011.The topics covered included: Genome and proteome databases, Analysis of protein and DNA sequences, Similarity searching & alignment, Sequence phylogeny, WWW-based services, Genome projects and functional genomics.
- **Application of Synchrotron Radiation in Structure Determination from Powder Data,** organized by Physics Division, National research center, Cairo, Egypt,18/1/2011.

- **The Academic Standards in Teaching process**, Helwan University, sep., 2010.
- **Grant Writing for STDF** (Science and Technology development Fund), Helwan University, Jun 2010
- **Ethics of Human Subjects in Medical Research ,and Biosafety in Research Laboratories**, organized by The EAI (Egyptian Association of immunologist) & MIU(Misr International University),November 26-28,2008.
- **Insights into Molecular and Biomedical Advance**, Gene quantification applications & DNA sequencing techniques. Organized by the Medical Research Center, Faculty of Medicine, Ain Shams University and Rosalind Franklin University of Medicine and Science, Chicago/USA, through Egypt-USA Molecular Biotechnology protocol for Continuous Medical Education, April 2004
- **Advanced Course on Basic and Clinical Immunology**,at Molecular Immunology Unit, Al-Azhar University, conducted by Prof. Nabila El-Sheikh(Chairman of Egyptian Association of immunologist) , March 2003.
- **Master Thesis work at Molecular Immunology Unit ,Al azhar university, (2003-2005), “Serodiagnosis of human intestinal Schistosomiasis)**,Protein content determination by Lowery Method for Adult worm,SDS Polyacrylamid Gel Electrophoresis for Adult worm Antigens, Western Blotting for Selecting Diagnostic fraction versus patients sera and ELISA for detection of Schistosome antibodies in Patients sera
- **Basic Techniques of Molecular biology**, plasmid DNA preparation, RNA preparation ,Reverse Transcription ,PCR ,Gel Electrophoresis & ELISA
4 weeks training at Ain Shams University Genetic Engineering Research Service Unite (ASUGEN), Directed by Prof. Amr Karim, September 1999.

- **Basics of Clinical Analysis**, Handling of serum samples, Blood analysis & Urine analysis, two weeks undergraduate summer training at Clinical Chemistry lab., National Research Center, conducted by Prof .Zakaria Al-Khayat, July 1998

PUBLICATIONS & POSTER PRESENTATIONS

- Signaling Genes Expression and Muscle Adaptability after Botulinum Toxin Type A Treatment in Spastic CP Muscle. Ehab A. Essawy , Mohga.S.Abdalla, Elsayed M.E.Mahdy, Gehan Galal & Waild Abdel Ghany. Int. J.of Child Neuro-Psychiatry, In press.
- Serodiagnosis of Human Intestinal Schistosomiasis. Raouf EA, Shousha WG, Mahdy el-SM, Maklad SS Egypt J. Immunol. 2007;14 (1):55-62
- Mechanosensing and signaling genes expression in spastic CP Muscles injected with onabotulinum Toxin type- A, EMBL Conference on Myofibrillar Z-disk Structure and Dynamics ,14 - 17 October 2013, European Molecular Biology Laboratory, Hamburg, Germany
- Structure Based Drug Discovery to Treat Muscle Spasticity, Developing New Kinase Inhibitor. SESAME User Meeting , Amman, Jordan , November 2013.
- Investigation of Structural Changes of Titin Kinase Domain Induced By Botulinum Toxin Remodelling. SESAME User Meeting, Amman, Jordan, November, 2011.

Oral Presentation:

- **Sarcomer structure and Dynamics Conference, Belgerad, Serbia, conducting oral presentation via Video message**
Signaling Genes Expression and Muscle Adaptability after

Botulinum Toxin Type A Treatment in Spastic CP Muscle.

May 2016

- Helwan Nanotechnology Laboratory for Biological and Material Science Application, Nanotechnology one day Seminar , Project management unit, Ministry of Higher Education, Ain Shams University Guest house , 24-2-2015.
- Determination of Structural Changes of Skeletal Muscle Protein Macromolecule (Titin) Using a Synchrotron Radiation. Presented in one day seminar, Application of Synchrotron Radiation in Structure Determination from Powder Data, organized by Physics Division, National research center, Cairo, Egypt,18/1/2011

REFEREES:

1-Prof. Mohga Shafik Abdalla, Ph.D Supervisor,

Prof. of Biochemistry, Chemistry Dept.,

Faculty of Science, Helwan University, Cairo, Egypt.

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