

# Curriculum Vitae

## Personal Details:

Name: Ghada Mohamed Mahmoud Elhady      Nationality: Egyptian  
Sex: female      Date of Birth: 5/12/1979  
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## Current Appointment:

Associate professor of Human Genetics, Medical Research Institute, Alexandria University from 2022.

Head of Human Genetics Department from 9/2025 till now

## Qualifications :

<i>Institution name</i>	<i>Dates of Attendance</i>	<i>Type of Qualification</i>	<i>Subjects studies</i>	<i>Final Mark</i>	<i>Award Date</i>
Faculty of Medicine, Alexandria University	1996-1997	M.B.CH.B	Medical Science	Excellent with honour	2002
Medical Research institute, Alexandria University	2004	Master degree	Human Genetics	Excellent	2010
Medical Research institute, Alexandria University	2011	PhD degree	Human Genetics	Excellent	2015

## Work experience:

21 Years experience in Human Genetics Department from 2004 till the present time, working at:

- **Genetic Clinic:**
  - Diagnosis, Management and counselling of cases with congenital anomalies and any other genetic condition.

- Genetic counselling; premarital and counselling for couples with history of repeated abortions or any genetic disorder.
- **Cytogenetic Laboratory:**
  - From 2005 till the present time: Chromosomal analysis using blood culture & G-banding technique at Cytogenetic lab. Medical Research Institute, Human Genetics department.
  - From 2013 till the present time: FISH technique application at Cytogenetic lab. Medical Research Institute, Human Genetics department.
- **Molecular Genetics Laboratory:**
  - 2006 till the present time: DNA extraction from blood samples and Detection of Y chromosome material in Turner syndrome patients using specific primers at Molecular lab. Medical Research Institute, Human Genetics department.

### **CONFERENCES**

- 12<sup>th</sup> conference of the Medical Research Institute on **Advances in Medical Research**, 22-24 November 2006
- 13<sup>th</sup> conference of the Medical Research Institute **on Advances in Medical Research, Liver Disease**, 21-23 November 2007
- 15<sup>th</sup> conference of Medical Research Institute **on Advances in Medical Research, from molecular medicine....to clinical applications**, 20-23 October, 2009.
- Scientific Meeting of Medical Research Institute on **Gene Polymorphism**, 16-2-2012.
- Scientific Meeting of Medical Research Institute on **Alzheimer** ,5-4-2012
- Poster presentation at the 5<sup>th</sup> Pan Arab human genetics conference and 2013 golden helix symposium, 17- 19 November 2013, Dubai, UAE.
- BioVision Alexandria 2016 Conference, 12-14 April 2016.
- Critical Issues in Laboratory Medicine and Recent Advances in lab Research (Together Facing the Future), 7<sup>th</sup>-9<sup>th</sup> May, 2016.
- The Human Genetics and Genome Research (HGGR) Conference 2016 (Path to Future of Human Genetics, 8-9 November 2016.
- 11<sup>th</sup> International meeting of RIO 2017, 2-3 February, 2017.
- 10<sup>th</sup> Conference of African society on human genetics 16-18 November 2017
- BioVision Alexandria 2018 Conference, 20-22 April 2018.
- CardioAlex 2018 26-29 June 2018

- Translational lab medicine : moving from lab practice to patient care 10 November 2018
- CardioAlex 2019 18-21 June 2019
- The 34<sup>th</sup> Annual Congress of faculty of medicine , Tanta University, 5-8 march 2019
- Poster presentation at 2<sup>nd</sup> Arab Association of Genetic Research Conference. Egypt.
- The 10<sup>th</sup> Conference of Alexandria Paediatric Neurology: Personalized Paediatric Neurology, 9-11 March 2022
- CardioAlex 2022, 7-10 June 2022
- Milestone in cancer research from genomics to practice. Action in challenging times, 13-15 May 2023.
- CardioAlex 2023, 13-16 June 2023
- The 12<sup>th</sup> Alexandria Paediatric Neurology conference : Paediatric Neurology: advances for tomorrow, 6-8 March 2024
- he 13<sup>th</sup> Alexandria Paediatric Neurology conference : Paediatric Neurology Challenges and solutions , 17-18 April 2024
- 1<sup>st</sup> Egyptian Lymphedema Conference 26 June 2025

### **WORKSHOPS**

- Protein analysis. Medical Technology center for research and services. Medical Research Institute. Alexandria University. March 27- 29 2007.
- Diagnosis& management of inborn errors of Metabolism, PKU as a model. Clinical Genomic Centre in Collaboration with Genetics Unit of Ain Shams University and Ministry of Health and Population, 2010
- Real time PCR. Microbiology department. Medical Research Institute. Alexandria University.2013
- DNA Sequencing Microbiology department. Medical Research Institute. Alexandria University.2016
- Actively participated in the preparation and execution of workshop on Diagnostic Cytogenetics, Cytogenetic Lab, Human Genetics Department, Medical Research Institute, 6th-8th December 2016
- FISH Workshop on Formalin Fixed Paraffin Embedded Tissue, 27<sup>th</sup> &28<sup>th</sup> of March 2017

- Actively participated in the preparation and execution of workshop on Essential of clinical Genetics (MYTHS VERSUS FACTS). Medical Technology Center, 29th- 30<sup>th</sup> April 2017.
- EGYBIOTECH HEALTH RESEARCH COURSE, Introduction to Health Research in September 2017
- The 1<sup>st</sup> Egyptian bioinformatics workshop 12 September 2017
- Actively participated in the preparation and execution of workshop on Basics of immunohistochemistry & fluorescent in-situ hybridization on Formalin Fixed Paraffin Embedded Tissue HER2/neu in breast cancer 6<sup>th</sup> November 2017
- Basic clinical genetics 16<sup>th</sup> & 17<sup>th</sup> of January 2018 (speaker/trainer)
- Concepts of cell culturing techniques 2-10 May 2018
- What face & teeth can tell you about syndrome? 27<sup>th</sup> of June 2018
- Recent advance in the genetics of reproductive disorders 11-12 April 2018 (speaker/trainer)
- Clinical Bioinformatics: Unlocking genomics in healthcare 5 weeks: 2h/week ( August/ October 2018)
- Basic clinical genetics 24<sup>th</sup> & 25<sup>th</sup> of March 2019 (speaker/trainer)
- Fetal medicine club 28<sup>th</sup> March 2019
- Genetic counselling online course from 17/6/2019 for 5 weeks: 2h/week
- Neurogenetics in clinical practice workshop 10 March 2022
- Actively participated in the training program for Medical Engineering students from the University of Medical Sciences and Technology, Khartoum, Sudan, during the period from January 22, 2023 to February 1, 2023.
- 3billion / From ambiguity to action: Practical insights on handling VUS. 29 April
- Mastering GAHAR Standards in medical labs 24-26 May 2025
- Actively participated in the preparation and execution of workshop on Genomic Variant Interpretation. 4-5 October 2025
- Actively participated in the preparation and execution of workshop on Cytogenetics: from lab to diagnosis. 18-19 November 2025

### **TRAINING COURSES**

- **ORGANIZER**

- Lab training on chromosomal analysis for Post graduate Students, Human Genetics Department, Medical research Institute, 2009- 2012.
- Practical cytogenetic analysis training course for Paediatricians, Human Genetics Department, Medical research Institute, 2009-2010.
- Course instructor of (Biochemical 1) and lecturer in (special genetics) courses in the master degree of human genetics, Human Genetics Department, Medical research Institute, 2015 till present time.
- Course instructor of Biochemical II course in the master degree of human genetics, Human Genetics Department, Medical research Institute, 2016 till present time.
- Course instructor of clinical cytogenetics course in the PhD degree of medical genetics, Medical Genetics Unit, Alexandria University, 2017.
- Course instructor of PhD degree courses of human genetics , Human Genetics Department, Medical research Institute, 2022 till present time.

### **Publications:**

- 1 .Ebtesam Abdalla, Karim Mahmoud Nabil, **Ghada El-Hady**. It's not Mccune-Albright Syndrome, It's Neurofibromatosis-1. *Journal of Genetic Syndromes & Gene Therapy* 2016; 7:1.
- 2 .**GM. Elhady**, Mervat M Hashishe, Sahar A Elshafei, Amal k Behery, Ebtesam Abdalla. Cytogenetic and Molecular Detection of Y chromosome Material in Turner Syndrome Egyptian Patients. 5th Pan Arab Human Genetics Conference-Dubai2013.
- 3 .Morteza Seifi, Tim Footz, Sherry A. M. Taylor, **GM. Elhady**, Ebtesam M. Abdalla and Michael A. Walter1. Novel PITX2 gene mutations in patients with Axenfeld-Rieger syndrome. *Acta Ophthalmologica* 2016; 94(7): e571-e579.
- 4 .Agnieszka Gaczkowska, Ebtesam M. Abdalla, Karin M.L. Dowidar, **GM. Elhady**, Pawel P. Jagodzinski, Adrianna Most. De novo EDA mutations: Variable expression in two Egyptian families. *Archive of Oral Biology* 2016; 68: 21-28.
- 5 .KM Nabil, **GM. Elhady**, H Morsy. The Association Between Interleukin 1 Beta Promoter Polymorphisms And Keratoconus Incidence And Severity In An Egyptian Population. *Clinical Ophthalmology* 2019; 13: 2217-2223.
- 6 .**Ghada Elhady**, Rasha Elkharadly Agondia in Male Patient with Balanced Roberetsonian Translocation (13;22).*Middle East Journal of Medical Genetics* 2019; 8:19.
- 7 .Rania Elnahas, **Ghada Elhady**. Clinical And Genetic Analysis of 46,X,add(X)(p22.3) Infertile Male. *Middle East Journal of Medical Genetics* 2019; 8:25.
- 8 N Nazmy, **G Elhady**, E Refaat, S Kholeif. Familial reciprocal non robertsonian translocation t (14; 22) resulting in 22q11. 2 deletion syndromes. *The Turkish journal of pediatrics* 2019; 61 (5): 780-785.
- 9 .**GM Elhady**, S Kholeif, N Nazmy. Chromosomal Aberrations in 224 Couples with Recurrent Pregnancy Loss. *Journal of Human Reproductive Sciences* 2020;13 (4): 340
10. DM Nayel, HSED Mahrous, EED Khalifa, S Kholeif, **GM Elhady**. The Effect of Teratozoospermia on Sex Chromosomes in Human Embryos. *The Application of Clinical Genetics* 2021. 14: 125.
11. **Ghada M Elhady**, Mostafa A. Elnaggar, Lubna M Desouky..Association of CHEK2 I157T and SULT1A1 R213H Genetic Variants with Risk of Sporadic Colorectal Cancer in a Sample of Egyptian Patients. *Egyptian Journal of Medical Human Genetics* 2021.
- 12.Noha Issa, **Ghada M Elhady**, Cytogenetic abnormalities in a sample of females with premature ovarian failure, *Middle East Fertility Society Journal* 2022.
- 13-Rania Fathy Elnahas , Amal Kotb Behery , Soha Kholeif , Yasser Ibrahim Orief2 and **Ghada Mohamed Elhady**, Sperm chromosomal abnormalities in infertile men with failed intracytoplasmic sperm injection (ICSI) , *Middle East Fertility Society Journal* 2023.

- 14-Rania Fathy Elnahas Soha Kholeif , Nahala Nazmy, Mohamed Sanhoury, Esraa Reffaat, Heba Mohamed Ossama, Nehal Helmy, Rasha Elkhradly and **Ghada M Elhady**, Descriptive Study of the Different Phenotypes of Congenital Heart Disease in a Cohort of Egyptian Patients Diagnosed with Down Syndrome the Medical Journal of Cairo University 2023.
- 15- Heba Mohamed Ossama; Soha Kholeif, ; **Ghada Mohamed Elhady**, The Use of Fluorescence In situ Hybridisation in the Diagnosis of Hidden Mosaicism in Egyptian Patients with Turner Syndrome, Journal of Human Reproductive Sciences 2023.
- 16-Tess Holling , Ibrahim M. Abdelrazek, **Ghada M. Elhady** , Marwa Abd Elmaksoud , Seung Woo Ryu4 , Ebtesam Abdalla and Kerstin Kutsche. A homozygous nonsense variant in the alternatively spliced VLDLR exon 4 causes a neurodevelopmental disorder without features of VLDLR cerebellar hypoplasia. Journal of Human Genetic 2024.
- 17-**Ghada Elhady** , Belinda Campos-Xavier, Asmaa K. Amin, Lova S. Matsa, Asier Iturrate Cecilia Giunta, | Sara El-Dessouky, | Pablo Lapunzina, | Julian Nevado, Victor L. Ruiz-Perez and | Ebtesam Abdalla. Genetic and Clinical Spectrum of Osteogenesis Imperfecta in an Egyptian Cohort With a High Rate of Lethal Phenotypes. Clinical Genetics journal 2025.
- 18-Vallian Broojeni J, Elmahdy M, Mitchell S, Rezaei M, Saharan A, **Elhady G**, Safwat S, Bareke E, Abdelrazek I, Xu C, Li L, Buckett W, Ao A, Miron P, Majewski J. Lessons learned from the exome sequencing of nine cases of infertility and the way forward. *Reproductive Biomedicine Online*. 2025.