

Amany Mohamed Maher C.V.

1. Basic Information			
Full Name in Arabic: أماني محمد ماهر ابراهيم ابو الفضل		Full name in English: Amany M. Maher	
Date of Birth:	29 September, 1972		
National ID:	27209290103523		
Last University Degree: PhD. in Biochemistry & Molecular Biology, Ain Shams University, 2008.			
Affiliation:	Ain Shams University		
Current Position:	Executive Director of MASRI BioBank, Consultant of Biochemistry and Molecular Biology- Faculty of Medicine Ain Shams Research Institute (MASRI).		
Title: Consultant of Biochemistry and Molecular Biology-Medical Ain Shams Research Institute (MASRI), Faculty of Medicine, Ain shams university		Field of specialization: Molecular Biology, Tissue culture and Biobank	
Tel. :	01014064009	Email:	amanymaher@med.asu.edu.eg amantmourad@yahoo.com amanymorad72@gmail.com
2. Scientific Achievements			
<i>h</i> index: 4	Citations: 51	<i>Publication:</i> 11	
<u>Membership</u>			
1.	ISBER: International Society for Biological and Environmental Repositories.		
2.	EESB: European, Middle Eastern and African Society for Biobanking (ESBB).		
3.	CNET: The Canadian Tissue Repository Network (CTRNet).		
4.	IARC-BCNet-WHO: The Biobank and Cohort Building Network (BCNet) - IARC bcnet.iarc.fr		
5.	H3ABioNet: Pan African Bioinformatics Network for the Human Heredity and Health in Africa (H3Africa) consortium.		
6.	BBMRI: The Biobanking and BioMolecular Resources Research Infrastructure (BBMRI).		
7.	EOS: Member in the Egyptian Organization of Standardization (EOS). The Chair of the ISO 276 (Biobanking and Biotechnology) Committee (ISO-20387) within the Standards Council of Egypt		
8.	ARSO: Member in the African Organization for Standardization The Chair of the TC-83 (Biobanking and Biotechnology) Committee within the Standards Council of Egypt		
<u>Attendance of:</u>			
2015	Molecular Biology and Stem Cell Technology Application in Medicine (Training course) to EMP students of Faculty of Medicine Ain Shams University. (Submitting Lectures).		
2016	Annual meeting of ESPCR, Stem Cell Therapy: Facing New Challenges; 27 th – 28 th February, 2016.		
2016	ESPCR: Biobanking Day.		
2016	Biobank workshop in CCHE-57357 Biorepository.		
2017	Introduction to Stem Cell and Regenerative Medicine; 18 th March 2017.		
2017	Stem Cell Separation workshop; 20 th March 2017.		
2017	Attendance of 6 th International Gastrointestinal, Liver and Uro-Oncology Conference.		

2017	The International Agency of Research on Cancer in collaboration (WHO) with CCHE-57357, training workshop for pathologist and Histology in Cairo; 22 th -24 th May 2017.
2017	Writing and Publishing a Research Article (sciences); Egyptian Knowledge Bank (EKB).
2017	The second Egyptian Bioinformatics workshop, Nile University
2018	Research Funding and Collaboration, Clarivate Analysis, Egyptian Knowledge Bank (EKB).
2018	Poster in the 2 nd International Hepato-Pancreato-Biliary Association.
2018	International Hepato-Pancreato-Biliary Association, the 2 nd MENA-HPB Conference.
2018	Advanced Statistical Analysis in Academic Research; 20 th – 21 th March 2018, Egyptian Knowledge Bank (EKB).
2018	7 th International Ain Shams University Conference; 2 nd – 5 th April, 2018.
2018	International Workshop on Biobanking for Rare Diseases – Izmir, Turkey. 2 nd - 3 rd , May 2018, BBMRI-ERIC.
2018	Bridging Biobanks in MENA Countries to Promote Research and Healthcare Symposium– Izmir, Turkey. 4 th May 2018, BBMRI-ERIC.
2018	ISBER (International Society for Biological and Environmental Repositories) 2018 Annual Meeting- Dallas, Texas May, 2018.
2018	Tissue Biobank Training Course in Fudan Cancer Center in Shanghai, China, 4 th – 12 th July, 2018.
2018	Academy on Academic Publishing; 24 th October, 2018, Egyptian Knowledge Bank (EKB).
2018	Scientific writing: from Data collection to publishing: A Hands-on Course; 11 th – 13 th December 2018, MASRI.
2019	Stem cell, Tissue Culture, Isolation and Characterization workshop at Nile center of Experimental Research (NCER), Mansoura University.
2019	Statistical Analysis in Academic Research; 18 th – 19 th April 2019, Egyptian Knowledge Bank (EKB).
2019	Advanced Statistical Analysis in Academic Research; 20 th – 21 th April 2019, Egyptian Knowledge Bank (EKB).
2019	Hands-on stem cell characterization by flow cytometry, 22 th April 2019 (MASRI).
2019	Basics in bioinformatics Workshop; 18 th – 20 th , August 2019 (Bioscience for research and Training).
2019	The International Summer School on Bioinformatics from 25 th - 27 th October 2019 (EG-ComBio, Nile University).
2019	The satellite Bioinformatics Course on RNA-Seq Organized in conjunction with the 2nd AAGR Conference and H3BioNet, 26 th – 18 th November, 2019.
2019	The International Winter School on Bioinformatics from 27 th - 31 th December 2019 (EG-ComBio, Nile University).
2020	Ethical, Legal and Social Issues in Human Microbiome Biobanking.
2020	EG-CompBio Second Bioinformatics Workshop from 30 th October - 2 nd November 2020
2020	H3ABioNet Introduction to Bioinformatics (IBT) course (2020) as a Teaching Assistant.
2020	GED-PerMedAI Big Data meets Precision Medicine, December 2020
2021	H3ABioNet - NGS Bioinformatics course (2021), as a Participant.
2021	H3ABioNet Intermediate Training- 16S rRNA Microbiome Intermediate Bioinformatics course, as a Participant.

2022	H3ABioNet-African Genomic Medicine Training Initiative (AGMT), as a Participant.
Organization of and Participation in:	
2017	MASRI Biobank Course in the 9 th Breast-Gynecological & Immunooncology International Cancer Conference and (Speaker); 19 th – 20 th January, 2017. (Speaker)
2018	MASRI Biobank Course in the 10 th Breast-Gynecological & Immunooncology International Cancer Conference and (Speaker); 18 th – 19 th January, 2018. (Speaker)
2018	MASRI Research Course The 7 th International Gastrointestinal, Liver and Uro-Oncology Conference 10 th – 11 th May, 2018. (Speaker)
2018	Workshop on the power of Next Generation Sequencing, Illumina Technology; 4 th September, 2018
2019	MASRI Biobank Course in the 11 th Breast-Gynecological & Immunooncology International Cancer Conference; 17 th – 18 th January, 2019.
2019	MASRI Proteomics and Bioinformatics Course The 8 th International Gastrointestinal, Liver and Uro-Oncology Conference; 18 th – 19 th April, 2019.
2019	The 2 nd AAGR Conference; 26 th - 27 th November, 2019. (Poster)
2019	International Conference on Risk Assessment of Environmental Genotoxicants and 24 th Alexander Hollaender International course genetic Toxicology of Environmental Pollutants (Speaker)
2020	MASRI Biobank Course in the 12 th Breast-Gynecological & Immunooncology International Cancer Conference; 9 th – 10 th January, 2020. (Coordinator & Chairperson).
2020	MASRI, Biobank Accreditation Workshop, Implementation of ISO-20387 (Coordinator).
2021	MASRI Biobank Course in the 12 th Breast-Gynecological & Immunooncology International Cancer Conference; 9 th – 10 th January, 2020. (Coordinator & Chairperson)
2021	MASRI, Biobank LIMS Workshop, Implementation of ThermoLIMS (Coordinator).
2022	TBRI Biobank for Liver Diseases Centre of Excellence, The First Scientific Meeting Biobanking for Better Health and Research. Onco-fertility & Cryopreservation a New Biobank Objective (Speaker)
2022	The Second Bioinformatics and Computational Biology workshop. Biobank in the Era of Big Data (Speaker).
2022	Environmental Genotoxicants Risk and Variability in Population Response 19 th – 21 st December, 2022. Biobank Future in Egypt, Panel Discussion. (Speaker)
2023	MASRI Biobank Course in the 15 th Breast-Gynecological & Immunooncology International Cancer Conference; 19 th – 20 th January, 2023. (Coordinator & Chairperson) Road Map for Establishing Biobank Working Groups in EBA (Speaker).
2023	43 rd Annual conference of Faculty of Medicine, Ain Shams Research Institute. MASRI Biobank Road Map, Networking and Collaboration (Speaker).
Thesis Supervision:	
2010	Prolactin receptor expression in breast cancer (Master degree)
2012	Quantitation of serum interferon γ -inducible protein-10 (IP-10) and IL-28b polymorphism in chronic HCV Egyptian patients (Master Degree).
2013	Role of cerebrospinal fluid IL-8 as a marker for differentiation between acute bacterial and aseptic meningitis.
2013	Study of Interleukin-28B polymorphism as a predictive factor for the treatment response of interferon in Egyptian patients with Chronic Hepatitis C Virus (Doctorate degree)

2013	Amino acid substitution in hepatitis C virus core and genetic variation in Interleukin 28B gene and their correlation to Interferon treatment failure in chronic HCV Egyptian patients. (Doctorate degree).
2014	Quantitation of serum interferon γ -inducible protein-10 (IP-10) and IL-28b polymorphism in chronic HCV Egyptian patients (Master Degree).
2015	The Effect of some herbal Extracts on liver cell (Biological Study) (Master degree).
2016	Correlation between serum Osteopontin and different stages of hepatocellular carcinoma (Master degree)
Last recent relevant publications: <u>Authors (underline your name)</u>	
2010	Diagnostic value of fibronectin and mutant p53 in the urine of patients with bladder cancer: impact on clinicopathological features and disease recurrence (2010). Sanaa Eissa, Samir F Zohny, Abdelrahman N Zekri, Tarek Moustafa El-Zayat and <u>Amany M Maher</u> . <i>Med Oncol</i> ; 11; 27(4):1286-94.
2013	Multiple molecular markers MAGE-1, MAGE-3 and AFP mRNAs expression nested PCR assay for sensitive and specific detection of circulating hepatoma cells: Enhanced detection of hepatocellular carcinoma (2013). Salwa H.Teama, Sara H.A.Agwa, Noha A. ElNakeeb, Manal Abdel Hamid, <u>Amany M. Maher</u> and Mourad M.Heidar. <i>Egyptian Journal of Medical Human Genetics</i> ; 14(1):21–28 .
2014	Role of cerebrospinal fluid IL-8 as a marker for differentiation between acute bacterial and aseptic meningitis. Amal Tohamy Abdelmoez, Doaa Zakaria Zaky and <u>Amany M Maher</u> . <i>J Egypt Soc Parasitol Apr</i> ; 44(1)205-10.
2015	Multiple molecular markers nested PCR assay for sensitive and specific detection of circulating hepatoma cells (2015). Salwa H.Teama, Sara H.A.Agwa, Noha A. ElNakeeb, Manal Abdel Hamid, <u>Amany M. Maher</u> and Mourad M. Heidar. <i>J Cancer Sci Ther</i> ; 7(8):77–84.
2017	Amino Acid Substitution in Hepatitis c virus core and genetic variation in Interlukin 28B gene failure and the correlation to interferon treatment failure in chronic HCV Egyptian Patients (2017). Nashwa El-Khazragy, Maiada A. Hussien, Mohamed A. El-Mordy, <u>Amany M. Maher</u> . <i>International Journal of Science and Research</i> ; 6(5):1187-1192.
2018	Genetic study on the effect of human mesenchymal stem cell on hepatoma cell line HuH7 (2018). Swalim H.; Amer, HA.; Abu Zahra, FA.; Headier, M.; Abo Agwa, SH.; <u>Maher, AM. And Hussien, MM.</u> <i>QJM</i> , 2018.
2018	IL-28 β gene polymorphism determines virological response to PEGylated interferon therapy in hepatitis C virus genotype 4 Egyptian patients (2018). Nashwa El-Khazragy, Naglaa El Sayed, Ahmed M. Salem, Nahla S. Hassan, Amal Tohamy Abdelmoeaz, <u>Amany M. Maher</u> , Azza El-Sayed Mansy. <i>J Cell Biochem</i> , 1-8.
2019	The effect of some herbal extracts on liver cell line (2019). <u>Amany M. Maher</u> , Eman Mohamed Ali Shaban, Mohamed Ahmed Ibrahim Hewehy , Nancy Samir Wahba, and Fatma Abdel Karim Abu Zahra. Middle East Journal of Medical Genetics, Vol. 8 No. 1, January-June 2019.
2020	Thyroid Dysfunctions in Patients with Hepatocellular Carcinoma Treated by Transarterial Chemoembolization (2020). Amal Tohamy Abdelmoez, Ahmed Abbas Elkhattib, <u>Amany M. Maher</u> and Ahmed Kamal ElDorry. EC Gastroenterology and Digestive System 7.3: 01-08.
2020	Interferon- γ inducible protein-10 and interleukin 28B gene polymorphism as predictive markers for genotype 4 hepatitis C virus treatment response (2020). Abd El-maksoud, E.A., Salem, A.M., <u>Maher, A.M.</u> and Hegazy, M.G.A. <i>Tropical Biomedicine</i> , 37(4): 1083–1092.

2023	An Ultra structural analysis of the HuH7 Hepatocellular carcinoma cell line's response to conditioned and co-culture media (2023). Marwa M. Hussein ¹ , Hamdy H. Swelim ² , Sawsan M. Abd El Moneim ¹ , Shimaa M. Elsayed ¹ , <u>Amany M. Maher¹</u> , Fatma A. Abu Zahra ¹ . (Under Publication)
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Previous or Running Projects.

a. Running (ID no. & type of grant, role of applicant).

1. **Name of Project:** **MATREX** (MASRI CAncer Biobank and InTegrated Genomic solution AccReditied Center of Scientific EXcellence), STDF
Type of Project: Accredited Center of Scientific Excellence,
Role: Executive Director of MASRI Cancer Biobank
Project No: 41851.
2. **Name of Project:** **GREAT-Egypt** (Genome REpository with merging Applied Tكنولوجies for the Egyptian genome), ASRT.
Type of Project: Health.
3. **Name of the project:** BioNet MASR, ASRT.
Type of project: Network.
Role: Coordinator of the Bioinformatics Unit

b. List other submitted proposals (in evaluation process) (ID no. & type of grant).

4. **Name of Project:** Retrospective Analysis of Clinical and Epidemiological Data of COVID-19 Patients Data sets using Artificial Intelligence and Deep Machine Learning, STDF
Type of Project: STDF Application Form for Basic Sciences Research Grants.
Role: PI
Project No: 45787.
5. **Name of Project:** Metabolomics Profiling of Egyptian Hepatocellular Carcinoma Patients.
Type of Project: ASRT,
Role: PI.
6. **Name of Project:** Microbiome influence on Hepatocellular Carcinoma Incidence in Egyptian Patients.
Type of Project: ASRT,
Role: PI.