


MASRI Biobank

TEACHING

2017	MASRI Biobank Course in the 9 th Breast-Gynecological & Immunooncology International Cancer Conference (BGICC); 19 th – 20 th January, 2017. (Speaker)
	 <p>By: Dr. Amany Maher</p> <p>Introduction to Biobanks</p>
2018	MASRI Biobank Course in the 10 th Breast-Gynecological & Immunooncology International Cancer Conference (BGICC); 18 th – 19 th January, 2018. (Speaker)
	Ovarian Cryopreservation, banking, reproductive potential for future
2018	MASRI Research Course The 7 th International Gastrointestinal, Liver and Uro-Oncology Conference (IGILUC), 10 th – 11 th May, 2018. (Speaker)
	Biobanking in the Era of Personalized Medicine
2019	International Conference on Risk Assessment of Environmental Genotoxicants and 24 th Alexander Hollaender International course genetic Toxicology of Environmental Pollutants (Speaker)



2019

MASRI Board Meeting (**Speaker**)
Establishment of MASRI Cancer Biobank



2021

The Egyptian Network of research Ethics committees (ENRIC), 26th meeting, 29th July (2021).

MASRI Bioabank From Dream to Reality (**Speaker**)



MERETI
Invites you to
Attend a meeting

Establishing Networking for Biobanks in Egypt
انشاء الشبكة القومية للبنوك الحيوية
بجمهورية مصر العربية

The Middle East Research Ethics Training Initiative

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Held on:
4 march 2020
At

Aiming to

- Discuss concepts of biobanking research
- Present an overview of biobanking efforts in Egypt
- Establish a network within Egypt to support collaborations in biobanking



Certificate of Participation

This is to certify that
Dr. / Amr / M. / Maher
Has participated in the 26th meeting of
The Egyptian Network of Research Ethics Committees (ENREC)
Kempinski Nile Hotel Garden City, Cairo - Egypt
29th July, 2021

الشبكة المصرية للجان اخلاقيات البحث العلمي
Egyptian Network of Research Ethics Committees

Hany Sleem
Dr. Hany Sleem
ENREC Coordinator



Prof. Azza Saleh
Prof. Azza Saleh
ENREC Honorary President



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

Environmental Genotoxics Risk and Variability in Population Response
19th – 21st December, 2022.

Biobank Future in Egypt, Panel Discussion. (Speaker)

PANEL DISCUSSION
PD 1: Biobanks: Importance, Challenges and Regulations
Panel Discussion
 Prof. Wagida A. Anwar, MD
 Prof. of Public Health, Faculty of Medicine, Ain Shams University, Egypt
 Panel Discussion:
 - Maj. Gen. Prof. Khaled Amer
 - Prof. Wafaa Abdel-Aal
 - Prof. Arza Saleh
 - Prof. Iman Gouda
 - Prof. Faysal El-Hewawy
 - Prof. Amany Maher
 - Dr. Rehab Adly
 - Prof. Isam Salem
 - Iman El-Ashery
 - Maj. Gen. Prof. Tarok Taha
 - Maj. Gen. Prof. Hany Hafez
 - Dr. Ashraf Younis, Miralab
 - Prof. Iman Gouda

Abstract
 The Biobank is defined as a place for storing biological specimens and data associated with research purposes. It includes human-derived biological specimens such as blood, tissues, sera and other specimens such as nucleic acids, which form an accurate basis for conducting researches to identify the causes of common diseases and how to treat them and develop drug as how to prevent which will improve health for future generations. There is interest in promoting and environmental research related to human diversity, health, and the biology of related disease the benefit of the population, with a focus on the topic of cancerous genomics as well as its molecular epidemiology of diseases.
 To establish Biobanks, a set of standards and principles should be applied according to international standards to regulate the activities with regard to sample collection, storage, participation and of results.
 This necessitates building the capacity of scientific groups through education and training, facilitating research through the development of infrastructure equipped with the latest technology to ensure access by researchers to high-quality biobank-related samples to help relationship between disease and environmental factors, promote genetic research, to assist in finding causes and treatment for different diseases, and encourage dissemination of scientific journals locally and internationally.
 In Egypt, the concept of Biobank is a new concept for many researchers as well as for the general public. To introduce the concept and create a positive attitude for the various stakeholders. It is supported by the Egyptian Academy of Scientific Research and Technology since 2011 and now is regulated by its establishment in various research centers. The challenges of establishment include the need of providing a firm framework for ethical management. When significant disease, they are often managed by research ethics committees, and by specialists in various research centers and universities. Another key challenge facing Egyptian vital banks is to obtain consensus, and guidelines or legislative regulations. In addition, conflicting cultural perspectives create additional challenges for legislators.



**Environmental and Genotoxics:
Risks and Variability in Population Response**
December 19-20, 2022
Cairo, Egypt

Certificate of Attendance
The Organizing Committee certifies that

Dr. Amany Mohamed Maher

Has attended the 3rd National Committee of Toxicology Conference & the 9th Pan African Environmental Genomic Mutagen Society Conference

Osama El-Tawil
President, National Committee of Toxicology



Prof. Dr. Wagida Anwar
President, Egyptian Environmental Mutagens Society



Prof. Dr. Mahmoud Sakr
President, Academy of Scientific Research and Technology (ASRT)



2022

The Second Bioinformatics and Computational Biology workshop. Biobank in the Era of Big Data (Speaker).

SATURDAY 15/10/2022	
9:00AM - 10:00AM	REGISTRATION
10:00AM - 10:30AM	Welcome and Opening Excellency Prof. Dr. Ismail Abdel Ghaffer Ismail Farag, President of AASTMT, Egypt Prof. Dr. Mohamed Abu Kikis, Dean of the computing and information technology in AASTMT - Cairo, Egypt
10:30AM - 11:00AM	Dr. Amany Maher Biobanks in the ERA of big data
11:00AM - 11:30AM	Dr. MONKHOUS TORBENT Next Generation Sequencing and its applications
11:30AM - 12:30PM	Dr. Mohamed Rushdi Machine Learning in Biostatistics: A Guided Tour
12:30PM - 12:30PM	Coffee Break
12:30PM - 01:00PM	Discovering Epistasis Interactions in Alzheimer Disease using Deep Learning Model
01:00PM - 01:30PM	Dr. Sameh Magdalen unleashing system biology by multi-omics approach
01:30PM - 02:00PM	Dr. Ibrahim Yousef Towards personalized healthcare: integrating omics and imaging data
02:00PM - 02:30PM	Dr. Amgad Elshahy Molecular dynamics and their applications in drug design
02:30PM - 3:00PM	Dr. Mohamed Elsayed Hamed Detection of COVID-19 Using Genomic Image Processing Techniques
SUNDAY 16/10/2022	
9:00AM - 9:30AM	REGISTRATION
9:30AM - 10:00AM	Dr. Shady Younis Uncovering the cellular heterogeneity at single-cell resolution
10:00AM - 10:30AM	Dr. Samar Kamel Deciphering African genomes for Precision Medicine: Progress and Challenges
10:30AM - 11:00AM	Dr. Mona M Elamir Secure framework for IoT technology based on RSA and DNA cryptography
11:00AM - 11:30AM	Dr. Anne Ritz Network-Based Algorithms for Signaling Pathway Analysis
11:30AM - 12:30PM	Dr. Ina Amin Drug repurposing in drug discovery through computational approaches
12:30PM - 01:00PM	Coffee Break
01:00PM - 01:30PM	Prof. Dr. Mohamed Abouelhoda Bioinformatics in healthcare and personalized medicine
01:30PM - 02:00PM	Dr. Mohamed Elshahy Identifying potential novel insights for COVID-19 pathogenesis and therapeutics using an integrated bioinformatics analysis of host transcriptome
02:00PM - 02:30PM	Dr. Nehal M Ali A Novel Approach of Transcriptomic microRNA Analysis using Text Mining Methods An Early Detection of Multiple Sclerosis Disease
02:30PM - 02:30PM	Dr. Ezzou Memdouh A Random Forest genetic algorithm integration approach for Hepatocellular Carcinoma Early prediction
02:30PM - 03:00PM	Dr. Mohamed Nagy Saad Genetic Association Studies - A Case Study
03:00PM - 04:00PM	Open Discussions and Closing

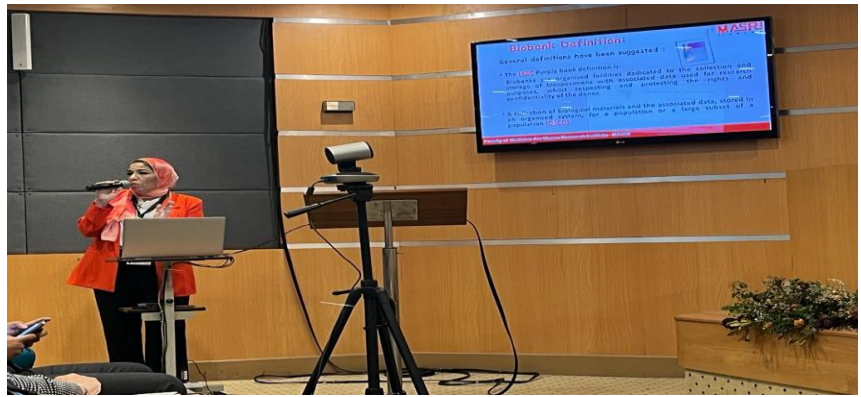
ARAB ACADEMY FOR SCIENCE, TECHNOLOGY AND MARITIME TRANSPORT
COLLEGE OF COMPUTING AND INFORMATION TECHNOLOGY



THE 2nd BIOINFORMATICS AND COMPUTATIONAL BIOLOGY WORKSHOP

DR. AMANY MOHAMED MAHER
ASST. CONSULTANT OF BIOCHEMISTRY & MOLECULAR BIOLOGY

Biobanks in the era of big data



Biobank Definition:
 Several definitions have been suggested:
 - The WHO public health definition:
 Biobanks: repositories storing biological samples for research purposes, which involves collecting, storing, and analyzing the samples.
 - A collection of biological materials and the associated data, stored in computer systems for a population or a large subset of a population (2010).
 MASTERS

2023

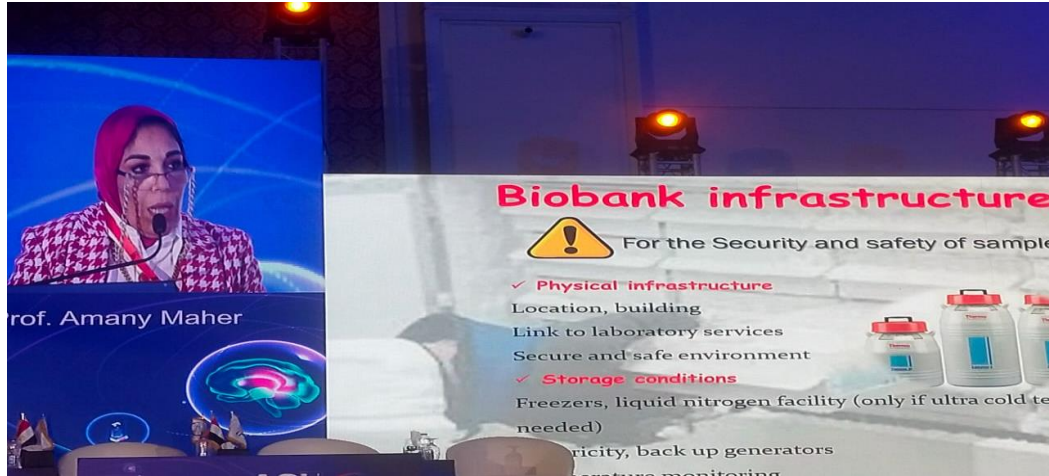
MASRI Biobank Course in the 15th Breast-Gynecological & Immunooncology International Cancer Conference (BGICC); 19th – 20th January, 2023.

Road Map for Establishing Biobank Working Groups in EBA (Speaker).



2023

43rd Annual conference of Faculty of Medicine, Ain Shams Research Institute.
MASRI Biobank Road Map, Networking and Collaboration (Speaker).



ASU Department of 2023
MEDICAL CONGRESS
25th February - 3rd March
General Surgery
Conference

MASRI
Faculty of Medicine Ain Shams Research Institute

10:15 - 11:45: MASRI Session: Wrapped Up in Success		
15 min	Four years success journey: Wrapping up all achievements	Prof. Hesham El-Ghazaly
10 min	The role of universities and research institutes in enhancing innovation	Prof. Yassin El-Shazly
10 min	Masri clinical trial center	Prof. Fatma Ebied
10 min	Masri genomics unit: Quick overview	Dr. Sara Hassan
10 min	Masri biobank objectives & roadmap	Prof. Manal El-Mahdy
10 min	Masri biobank networking & collaborations	Dr. Amany Maher
10 min	Evolving from research to entrepreneurship & medical industry	Prof. Wael Marmdough
15 min	Discussion	

2023

TBRI Biobank for Liver Diseases Centre of Excellence, The Second Scientific Meeting
Biobanking for Better Health and Research.

Electronic health record–linked biobanks and precision medicine (Speaker)



2023 MASRI Biobank Course in the 16th Breast-Gynecological & Immunooncology International Cancer Conference; 18th – 19th January, 2024.

Arab Biobank Network (Speaker).

Digitalization in Biobanks in Low and Middle Income Countries (Speaker).

