

Curriculum Vitae CV

Name: AMAR MAHDI: MD, PhD, MSc

Email: am1363@rutgers.edu, amarhekmat@yahoo.com, physiology-ah@uomustansiriyah.edu.iq

Education and Certification:

Institution and location	Degree	Completion date	Field of study
College of Medicine/AL-Mustansiriyah University, Baghdad/Iraq.	M. B. Ch. B Bachelor degree in Medicine and general Surgery	06/2001	Medicine
College of Medicine/AL-Mustansiriyah University, Baghdad/Iraq.	MSc. Master	10/2007	Human Physiology
ECFMG Certification USMLE step1 and 2 (CK and CS), USA	MD	10/2015	Medicine
Federation States of American Medical Board USMLE step 3	MD	11/2016	Medicine
Rutgers, The State University of New Jersey, USA	PhD Molecular Oncology	05/2017	Molecular Oncology (Breast cancer)

Organizations, Activities and Services:

Iraqi Medical Association 2001-present.

Iraqi Red Crescent Society 2008-present.

Iraqi Medical Physics Society 2018-present.

American Association of Cancer Research 2016-present.

Member of the Iraqi Cancer Council / Ministry of Health/ 2018-present

Personal summary:

I received MD from the University of AL-Mustansiriyah/ College of Medicine in Iraq, where I graduated in the top 3% of my class. I completed two years of internal Medicine Residency training at Baghdad Hospitals (2001-2003) then; I continued to work as a physician and teaching member staff at the College of Medicine/AL-Mustansiriyah University/Physiology department. I recognized for my excellent performance by the chair of the University 2011. I worked as principle /director of registration department at AL-Mustansiriyah University/College of Medicine. In 2012, I got scholarship to study PhD at Rutgers, Cancer Institute of New Jersey, USA. While I am doing my PhD I did USMLE exams and got ECFMG certificate (Educational Commission for Foreign Medical Graduates in 2015). In 2016 I did USMLE step 3 (Federation of States of American Medical Board). In 2017 I got my PhD in Molecular Oncology at Cancer Institute of New Jersey, Rutgers University USA.

In 2016 I got Award for Outstanding Cancer Research New Jersey USA.

I speak Arabic in addition to English.

Skills, expertise and Awards:

I had great opportunity to learn from and work with pioneers in Molecular Genetics and Oncology like Dr- Eileen White (one of biggest name in Autophagy research in the world), Dr-Bing Xia (my PhD supervisor) who discovered *PALB2* gene and its role in breast cancer and other tumors suppression, and Shridar Ganesan (Medical Oncologist) Chief, Molecular Oncology for my clinical training in breast cancer field.

Skills: Homologous Recombination, p53, DNA Damage, Autophagy, Cancer Biology, Cell Culture, PCR, Western Blot, Apoptosis, Cell Signaling, Chemoprevention, Immunohistochemistry, Immunofluorescence, Molecular Genetics, Molecular Oncology, Flow Cytometry, Animal Handling.

Awards:

Gallo Award for Outstanding Cancer Research, Rutgers Cancer Institute of New Jersey May, 2016.

First place for the Science Day Award for Medical and Health Sciences, Ministry of Higher Education and Iraqi Scientific Research, Nov 2019

Title, Position and Teaching Expertise :

Director of National Center of Hematology 1/2020- present

Director General of Iraqi Center for Cancer and Medical Genetics Research 2018-11/2019

Teaching Faculty staff Member College of Medicine AL-Mustansiriyah University 2007-present.

Principle /Director of registration department at AL-Mustansiriyah University/College of Medicine 2010-2012.

Instructor at Physiology Department College of Medicine AL-Mustansiriyah University 2003-2007

Selected Publication and Posters:

I had three posters accepted for the Annual Retreat on Cancer Research on New Jersey

- In 2015 for abstract title, "Strong impacts of *KEAP1* status on *PALB2* associated tumor development in mice"

- In 2016 for abstract title, "Role of BRCA1-PALB2 interaction in tumorigenesis and Role of NF- κ B".

-In 2017 Abstract 2471: Role of PALB2-BRCA1 interaction in Tumor Suppression, AACR March, **2017 Washington DC.**

-Evidence of Intertissue Differences in the DNA Damage Response and the Pro-oncogenic Role of NF- κ B in Mice with Disengaged BRCA1-PALB2 interaction, **Cancer Research, May 2018**

-NRF2 Induction Supporting Breast Cancer Cell Survival Is Enable by Oxidative Stress-Induced DPP3-KEAP1 interaction, **Cancer Research, April 2017**

-PALB2 Synergizes with ATG7 to Suppress Neurodegeneration, **Free Radical Biology and Medicine, Nov 2017.**

Parathyroid gland weight is associated with high density lipoprotein levels in patients with primary hyperparathyroidism, **J Clin Transl Endocrinol. Published online 2019 Nov 26. doi: [10.1016/j.jcte.2019.100213](https://doi.org/10.1016/j.jcte.2019.100213).**