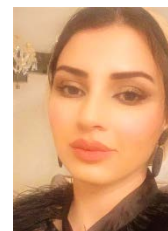


Maram Hasan, Ph.D.



📍 Doha, Qatar

☎ 0097477123458

✉ mhasan@qu.edu.qa,maramhasan.ctc@gmail.com

Education

Ph.D. in Biological sciences

The University of Jordan

Aug 2014-June 2021

Jordan

Thesis title: Effect of human mesenchymal stem cells on the healing of high glucose-induced nephropathy *in-vitro*

M.Sc. of biological sciences

The Hashemite University

Aug 2008-Feb 2012

Jordan

Thesis title: The role of ADF/Cofilin proteins during the metastasis of MTLn3 breast adenocarcinoma cells.

B.Sc. in Biotechnology

The Hashemite University

Sep 2003-June 2007

Jordan

Work experiences

Nov 2021 – present

Doha, Qatar

Senior research assistant

Qatar University, Biomedical research center (BRC), vice president of research and graduate studies

Principal investigator: Dr. Huseyin Yalcin

QU-NRC, Building H10, Zone 5, Room D101

Email: hyalcin@qu.edu.qa ; yalcincagatay@gmail.com

Work: +974 4403 7719

July 2019 – Oct 2021

Doha, Qatar

Research assistant (grant-funded)

Qatar university, College of Pharmacy, Department of Pharmaceutical Sciences, Doha, Qatar.

supervisor: Dr. Abdelali Agouni

Qatar university /college of pharmacy. TEL: 4403-5610

Nov 2013-Nov 2016

Amman, Jordan

Lab supervisor

Cell Therapy Center, University of Jordan, Amman, Jordan

Contact: Prof. Abdalla Awidi, MD, FRCP

Cell Therapy Center, University of Jordan. TEL: 0096265355000

Feb 2012 – Nov 2016

Amman, Jordan

Research assistant

Cell Therapy Center, University of Jordan, Amman, Jordan

Contact: Prof. Abdalla Awidi, MD, FRCP

Cell Therapy Center, University of Jordan.TEL: 0096265355000

Aug 2008 – June 2011

Amman, Jordan

Teaching assistant

The Hashemite University, Jordan

Contact: Dr. Rana Dajani

Email: rdajani@hu.edu.jo

Skills& experience

 **Zebrafish research work**

Xenograft zebrafish model generation.

microinjection of cells and morpholinos in zebrafish embryos.

Morpholino suitable design and request.

Cardiovascular analysis of zebrafish


Behavioral analysis of zebrafish

Locomotion assay of zebrafish

Monitoring health and deformities of zebrafish

Assessment of survival rates and hatching rates of zebrafish

Toxicological research of zebrafish

 Preparing ethical approval paperwork for IBC and IUCAC applications

- ✚ Responsible for lab material ordering and managing the inventory system.
- ✚ Training and helping in organizing zebrafish part in summer internship program
- ✚ Design, plan, conduct and coordinate experiments in support of various research projects.
- ✚ Evaluate, select, and apply standard techniques of the research; keep detailed records of data.
- ✚ perform data analysis, statistical analysis, and technical evaluation of research experiments and results.
- ✚ Summarize results for inclusion in scientific publications.
- ✚ Prepare and write proposals to funding agencies; maintain financial accounts related to research projects.
- ✚ Supervise undergraduate and other laboratory staff involved in research; Coordinates the review of the work of research staff.
- ✚ Establish, install, maintain, and operate research equipment.

Publications

Published Articles in peer-reviewed journals:

1. **Maram Hasan, Hassan Al-Thani, Ayman El-Menyar, Asad Zeidan, Asma Althani, Huseyin C Yalcin, Mechanobiology of Aortic Aneurysm Progression: Focus on mechanosensitive endothelial gene expression. submitted (under review) : international journal of cardiology.IF:4.**
2. **Maram Hasan, Hadeel T. Zedan, Sumaya Ibrahim Abiib, Ibrahim M. El-Sherbiny, Huseyin C Yalcin. *In vivo* testing of novel nitric oxide-releasing nanoparticles for alleviating heart failure using the zebrafish embryo model. submitted: Life Sciences .IF:6.1.**
3. **Najlaa A Al Thani , Maram Hasan, Huseyin C Yalcin. Use of Animal Models for Investigating Cardioprotective Roles of SGLT2 Inhibitors, J Cardiovasc Transl Res . 2023 Apr 13. doi: 10.1007/s12265-023-10379-5.IF:3.2.**
4. **Mahmoud Khatib AA Al-Ruweidi, Nada Khater, Haya Rashid Alkaabi, Maram Hasan, Huseyin C Yalcin.Autoimmune Diseases of the GI Tract Part I: Etiology and Pathophysiology. IntechOpen,2022 .**
5. **Mahmoud Khatib AA Al-Ruweidi, Nada Khater, Haya Rashid Alkaabi, Maram Hasan, Mohammed Murtaza, Huseyin C Yalcin. Autoimmune Diseases of the GI Tract Part II: Emergence of Diagnostic Tools and Treatments. IntechOpen,2022.**
6. **Hissa F. Al-Thani^{1,2}, Samar Shurbaji¹, Zain Zaki Zakaria¹, Maram H. Hasan¹, Katerina Goracinova^{3,5}, Hesham M. Korashy^{3,4} and Huseyin C. Yalcin Reduced Cardiotoxicity of Ponatinib Loaded PLGA-PEG-PLGA Nanoparticles in Zebrafish Xenograft Model.Materials 15(11):3960. DOI: 10.3390/ma15113960**
7. **Fatima TM, Hasan M, Abdelsalam SS, El-Gamal H, Sivaraman SK, Parray A, Korashy HM, Zeidan A, Agouni A. Sestrin 2 suppression aggravates oxidative stress and apoptosis in endothelial cells subjected to pharmacologically (thapsigargin)-induced endoplasmic reticulum stress. European Journal of Pharamcology,907(2021)174247. doi: 10.1016/j.ejphar.2021. 174247. Impact factor 4.96**
8. **Osman A, El-Gamal H, Pasha M, Zeidan A, Korashy HM, Abdelsalam SS, Hasan M, Benameur T, Agouni A. Endoplasmic Reticulum (ER) stress-generated extracellular vesicles (microparticles) self-perpetuate ER stress and mediate endothelial cell dysfunction independently of cell survival. Frontiers in Cardiovascular Medicine 2020, 7:584791. Impact factor 3.915**

9. Jafar H, Hasan M, Al-Hattab D, Saleh M, Ameereh LA, Khraisha S, Younes N, Awidi A. Platelet lysate promotes the healing of long-standing diabetic foot ulcers: A report of two cases and in vitro study. *Heliyon*, 2020;6(5):e03929. doi: 10.1016/j.heliyon.2020.e03929.
10. Jafar H, Abuarqoub D, Ababneh N, Hasan M, Al-Sotari S, Aslam N, Kailani M, Ammouh M, Shraideh Z, Awidi A. hPPL promotes osteogenic differentiation of stem cells in 3D scaffolds. *PLoS One*, 2019;14(5):e0215667. doi: 10.1371/journal.pone.0215667.
11. Hasweh N, Awidi A, Rajab L, Hiyasat A, Jafar H, Islam N, Hasan M, Abuarqoub D. Characterization of the biological effect of Biodentine™ on primary dental pulp stem cells. *Indian J Dent Res*, 2018;29(6):787-793. doi: 10.4103/ijdr.IJDR_28_18.
12. Abu-Ameerh MA, Jafar HD, Hasan MH, Al Bdour MD, Msallam M, Ababneh OH, Alhattab DM, Al-Kurdi B, Awidi AA, Awidi AS. Platelet lysate promotes re-epithelialization of persistent epithelial defects: a pilot study. *Int Ophthalmol*, 2019;39(7):1483-1490. doi: 10.1007/s10792-018-0968-1.
13. Tahtamouni LH, Shaw AE, Hasan MH, Yasin SR, Bamburg JR. Non-overlapping activities of ADF and cofilin-1 during the migration of metastatic breast tumor cells. *BMC Cell Biol*, 2013;14:45. doi: 10.1186/1471-2121-14-45.
14. Abdelsalam SS, Pasha M, El-Gamal H, Hasan M, Agouni A. Protein Tyrosine Phosphatase (PTP)-1B Inhibition Improves Endoplasmic Reticulum (ER) Stress-Impaired Angiogenic Response in Endothelial Cells: An Important Role for Cell Survival. In submission.

Poster presentations

- ✚ Poster presentation in Qatar University (**Qu Health Symposium**) “IN VITRO INVESTIGATION OF ENDOTHELIAL CELL RESPONSE TO DISTURBED FLOWS ASSOCIATED WITH AORTIC ANEURYSMS”
- ✚ Poster presentation in HBKU (**translational advances in stem cells for diabetes symposium**) “The protective effects of conditioned media from human mesenchymal stem cells against Methylglyoxal-mediated injury of cultured endothelial cells”
- ✚ Poster presentation Qatar University (Biomaterial, Biosensor, and Microfluidics Technologies for Medical Applications) “Development of Nanomedicine Approaches for Cardiac Disorder Using Zebrafish model”

Awards

Best poster award in the international conference: University (Biomaterial, Biosensor, and Microfluidics Technologies for Medical Applications)

Collaborations:

- ✚ Anti-cancer activity investigation of natural compounds using zebrafish xenograft model Internally funded, collaboration with Prof. Shahab Uddin Khan ,HMC.
- ✚ Unravelling the molecular mechanisms that cardiac Ryanodine Receptor 2 and myosin-binding protein-C missense mutations lead to severe cardiac disease Dr. Michail Nomikos, College of medicine ,Qatar University
- ✚ Effect of Thymol- and Carvacrol-laden nanoparticles on the normal development of zebrafish. Dr. Abdalla Shaito, BRC, Qatar University

Grants applied for:

UNDERGRADUATE RESEARCH EXPERIENCE PROGRAM (UREP)

Proposal Number: UREP30-189-3-062
Proposal Title: Cardiotoxicity investigation of novel nitric oxide releasing Nano-formulations using the Zebrafish Embryo model

Workshops attended

- ✚ DATA MANAGEMENT AND ANALYSIS TECHNIQUES FOR BIOMEDICAL RESEARCH In BRC/Qatar University.
- ✚ Systematic Review, Meta-analysis, and Meta-analysis Network workshop, QU health.

Conferences:

Organizer in the first international biomaterial conference in Qatar “Biomaterial, Biosensor, and Microfluidics Technologies for Medical Applications”

Courses

- ✚ **CITI certified biosafety courses:**
- ✚ Animal biosafety
- ✚ Working with fish in research settings
- ✚ Working with zebrafish (*Danio rerio*) in research settings
- ✚ Working with animal in biomedical research
- ✚ Biomedical research
- ✚ Biomedical responsible conduct of research

- ✚ The radiation training course (01/2014-01/20142)
Jordan nuclear regulatory commission

- ✚ BioSpherix general operation & maintenance for X2 GMP (05/15-05/2015)
BioSpherix

- ✚ Advanced training in laser scanning confocal microscopy (07/2016-07/2016)
Zeiss

Public Speaking Events and Media Appearances

- ✚ Hasan, Maram. Interview by Faisal Al-Ibrahim & Abdullah al-Halaabi. **TV interview** (Hayatuna tv live show), Qatar General Broadcasting and Television Corporation Studio, 9 May 2023.
- ✚ Hasan, Maram. Interview by Ahmad al-Saadi & Almayassa. **Radio interview** (Masaa al-Doha), over the phone, 11 May 2023

Both interviews were for reporting the first international biomaterial conference in Qatar “Biomaterial, Biosensor, and Microfluidics Technologies for Medical Applications” Organized by Dr. Huseyin C Yalcin

References:

Dr.Huseyin Cagatay Yalcin, Ph.D.

Research Associate Professor

Cardiovascular Research

Qatar University

Biomedical Research Center

QU-NRC, Building H10, Zone 5, Room D101

Email: hyalcin@qu.edu.qa ; yalcincagatay@gmail.com

Work: +974 4403 7719

P.O.Box: 2713 Doha , QATAR

Prof. Abdelali Agouni, PhD

Doha, Qatar

Tel:+97430461777

Qatar University

Prof. Said Ismail, PhD

Doha, Qatar

Tel: +97433923753

Qatar Genome Program Manager

Prof. Hesham M. Korashy, PhD

Professor and Coordinator, Graduate Studies pharmacology & Toxicology

hkorashy@qu.edu.qa

+974 4403- 5592

Building I06 - Office # FA2.07

Prof. Abdalla Awidi, MD, FRCP

Amman -Jordan

Tel: +96265355000

Director of cell therapy center, University of Jordan