

Hassnaa Hamed Mohamed Elgohary

Teaching Assistant

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🎓 Education

Master of Science, Biochemistry department, Faculty of Pharmacy, Cairo university Present
Bachelor of Pharmacy, Faculty of Pharmacy, the British University in Egypt 2013 – 2018
Obtained a bachelor's degree with a grade of "Distinction" with honors and a GPA of 3.9 (scale of 4.0)

🏢 Employment history

Teaching assistant, The Egyptian Chinese University 2024 – present
Research assistant, The British University in Egypt CDRD Center 2020 – 2024
Community pharmacist, Mohamed Mokhtar, and Sara Saad Pharmacy 2018 – 2020

📄 Publication and Conferences

The antiangiogenic potential of a natural seaweed extract: fucoidan in combination with two clinically approved anti-angiogenic drugs in hepatocellular carcinoma, Oral presentation Jul 2023
Glasgow, Scotland
Conference title: 19th World Congress of Basic & Clinical Pharmacology
Listed author(s): Maha R.A. Abdollah, Aya Adel Ali, **Hassnaa Hamed Elgohary**, Mahmoud Galal and Mohamed Moehy Elmazar

Antiangiogenic drugs in combination with seaweed fucoidan: A mechanistic in vitro and in vivo study exploring the VEGF receptor and its downstream signaling molecules in hepatic cancer, scientific paper, Pharmacology of Anti-Cancer Drugs Feb 2023
Frontiers
authors: Maha Ramadan Amin Abdollah, Aya Adel Ali, **Hassnaa Hamed Elgohary**, and Mohamed Moehy Elmazar

Cutting off the tumor blood supply: a combination of a natural seaweed extract with anti-angiogenic drug in hepatocellular carcinoma, Oral presentation Sep 2022
Liverpool, UK
Conference title: Pharmacology 2022 held by the British Pharmacological Society
Listed author(s): Maha R.A. Abdollah, Aya Adel Ali, Hassnaa Hamed Elgohary, Mahmoud Galal and Mohamed Moehy Elmazar

📁 Projects participated in

Testosterone Undecanoate effects on behavior and Cognitive Functions in male swiss Albino mice exposed to Chronic Social Defeat, scientific paper Dec 2018 – Aug 2019
Was responsible for RNA extraction (from HC and FC), cDNA synthesis, qrt-PCR for the 80 mice included in the experiment

Effects of Chronic Caffeine Administration on Behavioral and Molecular Adaptations to Sensory Contact Model Induced Stress in Adolescent Male Mice, scientific paper Dec 2018 – Aug 2019
Performed all the behavioral assessment tests for the subjects and I also was responsible for RNA extraction, cDNA synthesis, and qPCR for the samples

2-Methoxyestradiol inhibits high fat diet-induced obesity in rats through modulation of adipose tissue macrophage infiltration and immunophenotype, scientific paper Dec 2018 – Aug 2019
RNA extraction (from HC and FC), cDNA synthesis, and qrtPCR were carried out for the 28 involved rats

Teaching experience

- Conducted practical tutoring sessions for undergraduate students
- Assisted in preparing lectures, and supplementary materials for undergraduate pharmacy course
- Developed quizzes and assessments
- Mentored master's and PhD students throughout their research projects, offering theoretical and practical demonstrations of laboratory techniques

Research and Laboratory Aptitudes

RNA extraction — Expert

From various organs and tissues of mice and rats including the brain, heart, liver, and kidneys, and from different cultured cells and tissues using both QIAGEN kit and TRIAZOL reagent

PCR Primers design — Expert

Using :
- PubMed Database
- The online genome browse "Ensembl"
- Primer3 program
- NCBI BLAST
- UCSC insilicoPCR
- OligoAnalyzer tool

Protein extraction and Western blotting — Expert

- Protein extraction using RIPA lysis buffer
- Proteins quantification using Pierce™ BCA protein quantification kit
- Electrophoresis and Transfer Buffer preparation
- samples preparation and loading to SDS-PAG gel
- protein transfer by following the wet transfer method and using nitrocellulose membrane.
- Membrane visualization using the BIO-RAD membrane visualizer after blocking and incubation with antibody.
- Data analysis using Image Lab BIO-RAD software.

ELISA — Competent

Various proteins detecting and quantification

cDNA synthesis — Expert

using RevertAid RT Reverse Transcription Kit and Verso cDNA Synthesis Kit of Thermo Scientific

Real-time PCR — Expert

- Detection and measurement of multiple genes expressions using SYBR green, and SNP assay using TaqMan fluorogenic probe
- troubleshooting, data analysis, and presentation using Microsoft Excel and GraphPad prism

Cell culture — Expert

stem cells and cancer cells cell lines seeding, maintenance, viability assay, cell count using hemocytometer and trypan blue dye, splitting and treatment, mammospheres generation from breast cancer cell lines, mesenchymal stem cells extraction from rat adipose tissue and bone marrow

lab animal handling — Proficient

- Rat and mice drug administration through oral and IP route
- Performed various mice behavioral assessment tests including open-field test (OFT), novel object recognition test (NOR), elevated plus maze test (EPM), and Morris water maze (MWM).
- Mice scarification while following the ethical guidelines, and various organ extractions after clinical models

Hard and Soft skills

Communication and Interpersonal Skills ● ● ● ● ●

- Excellent verbal and written communication abilities
- Adept at explaining complex scientific concepts clearly
- Strong active listening skills
- Effective interpersonal skills

Microsoft Office ● ● ● ● ●

Word, Excel, PowerPoint, Outlook

Teamwork ● ● ● ● ●

Scientific research ● ● ● ● ●

Presentation and Public Speaking ● ● ● ● ●

- Experienced in delivering engaging presentations
- Skilled in tailoring content and delivery style to effectively convey information and captivate audiences

Academic Writing ● ● ● ● ●

Adaptable to different working environments ● ● ● ● ●

Active Learner ● ● ● ● ●

Languages

Arabic — Mother tongue

English — Fluent

Internships

Research assistant at the British university in Egypt CDRD center participated in various molecular and clinical research projects.	Dec 2018 – Aug 2019
Community pharmacist at Elezaby pharmacy	Aug 2017 – Sep 2017

Courses and workshops

- Collaborative Approaches between Researchers and Ethics Committees, the British University in Egypt faculty of pharmacy	Dec 2023
- The Problem of Falsified and Substandard Medications: An Overview, the British University in Egypt faculty of pharmacy	Dec 2023
- Digital Transformation in Healthcare Industry", the British University in Egypt faculty of pharmacy	Feb 2023
- Attended JoVE Workshop entitled :Accelerate your Science Research and Education through JoVE	Sep 2022
- Accomplished the Academic Test of English as a Foreign Language (ATEFL) with a score of (567 marks), Center for foreign languages and translation, Cairo university	Feb 2021
- Attended the Pharma Course webinar : Rational drug uses by pharmacist, Pharma Course	Feb 2021
- Attended and completed the basics of online marketing online training of google maharat	Jul 2020
- Completed the medication therapy management training program provided by ESIPS and approved by the federation of the royal college of physicians of the UK	Jan 2019
- Participated in the first annual meeting of the Egyptian Foundation Of Clinical Pharmacy (EFCP) , the international clinical pharmacy conference "Future of Pharmacy Education and Clinical Practice	Jan 2019
- Attended the presentation of: "the role of accreditation in driving pharmacy practices and education: national and international perspective "presented in the EFCP international clinical pharmacy conference	Jan 2018
- Participated in EFCP's Education and clinical session titled: "synergies of external relationships: professional education, pharmacy practice and patient outcomes	Jan 2018
- Participated in Enjaz Misr innovation camp	Jan 2018
- Participated in the 10th version of step on the way 2018 held by EPSF and hosted by EPSF BUE	Jan 2018
- Completed "EXPLORING CANCER MEDICINES "online course, UNIVERSITY OF LEEDS	Mar 2017
- Completed the general English course level (10) from the British academy "Grade (excellent)"	Aug 2013 – Sep 2013

Extra-Curricular Activities

Was a member in the Egyptian pharmaceutical student federation EPSF BUE, professional development committee (PD).	2014 – 2018
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