

Dana Mazen Zaher



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Sharjah, UAE

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EDUCATION

PhD candidate in Molecular Medicine and translational Research | Expected 2020
University of Sharjah (College of Medicine), United Arab Emirates

Master in Molecular Medicine and Translational Research | 2017
University of Sharjah (College of Medicine), United Arab Emirates

- [3.8/4] GPA
- Thesis title: *Novel OSU-2S-derived Small-Molecule Targeted Chemotherapeutic Agents for Hepatocellular Carcinoma*. Study aimed to investigate and validate the potential activity of newly developed OSU-2S derivatives as potential anticancer agents and members in hepatocellular carcinoma (HCC) therapeutic protocols.

Bachelor in Biotechnology | 2014

University of Sharjah (College of Sciences), United Arab Emirates

- [3.9/4] GPA.
- Graduation Project title: *Screening of codon 8/9, cd5 and IVSI (-25) mutations in Thalassemia patients*. Project aimed to screen the prevalence of three β -Thalassemia causing mutations (codon 8/9 +G, Cd5 (-CT) and IVSI,3'end (-25 bp)) among Emirati Thalassemic patients.

High School Scientific degree | 2010

Al-Shola Private school, United Arab Emirates

- [97%] Average



PUBLICATIONS

1. Dana M. Zaher, Hany A. Omar. Energy restriction as a novel approach targeting breast cancer stem cells multi-drug resistance. **Annals of Oncology**, Volume 29, Issue suppl_3, 1 March 2018, mdy047.043, <https://doi.org/10.1093/annonc/mdy047.043>.
2. Shifaa M. Abdin, Dana M. Zaher, El-Shaimaa A. Arafa and Hany A. Omar*. Tackling the cancer resistance by immunotherapy: Updated clinical impact and safety of PD-1/PD-L1 inhibitors. **Cancers**, 2018, 10(2), 32; doi: [10.3390/cancers10020032](https://doi.org/10.3390/cancers10020032).
3. Hany A. Omar, Dana M. Zaher, Vunnam Srinivasulu, Fatema Hersi, Hamadeh Tarazi, Taleb H. Al-Tel. Design, synthesis and biological evaluation of new pyrrolidine carboxamide analogues as potential chemotherapeutic agents for hepatocellular carcinoma. **European Journal of Medicinal Chemistry**, 2017 Oct 20; 139:804-814. doi: [10.1016/j.ejmech.2017.08.054](https://doi.org/10.1016/j.ejmech.2017.08.054)

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WORK EXPERIENCE

Trainee in Dubai Municipality Clinics Laboratories | 2013

Dubai Municipality Clinics Laboratories

- Applied different tests in Microbiology, Hematology, Immunology, Virology, Serology and Biochemistry departments.
- Collected and processed specimens for clinical protocols.
- Diagnosed certain autoimmune and infectious diseases.
- Organized lab test solutions, compounds and reagents.

Research Assistant in Sharjah Institute for Medical research | 2017

University of Sharjah – Drug Design and Discovery Group

- Handle different cell lines and perform multiple molecular biology techniques: Western Blot, Flow cytometry, ELISA, RT-PCR, Immunofluorescence.
- Screening of new anti-cancer agents by cell viability assays and other techniques.
- Data analysis and reports writing.
- Train senior students on cell culture and molecular techniques.

Running Research Projects

- Energy Restriction as a Novel approach targeting Breast cancer stem cells multi-drug resistance
- Effect of GLP-1 on proliferation and invasion/migration in pheochromocytoma and colorectal cancer cells



PROFESSIONAL MEMBERSHIP

- 2018 European Society for Medical Oncology



LAB SKILLS

- DNA isolation, RNA isolation, plasmid and genomic DNA isolation, gene cloning from bacteria, PCR, qPCR and RT-PCR.
- Protein Isolation, Western Blotting, Immunocytochemistry, Flow cytometry and ELISA.
- Immunofluorescence and Confocal microscopy.
- Cell culture and generating drug's resistant cell lines.
- Cell Viability assays and colony formation assay.



SEMINARS AND CONFERENCES

- Won the second best graduate project in the **12th research scientific forum**, University of Sharjah, UAE, 2018.
- Won the best paper award in the **4th UAE Graduate students research conference**, American University of Sharjah, Sharjah, UAE, 2018.
- Attended the **20th Annual Meakins-Christie Workshop**, Dubai, UAE, 2018
- Participated with a research poster about “energy restriction as a novel approach targeting breast cancer stem cells”, **16th International Congress on Targeted Anticancer Therapies**, Paris, France, 2018.
- Attended the **7th PAN Arab Human genetics conference**, Dubai, UAE, 2018.
- Attended the **4th Middle East Molecular Biology Congress and Exhibition**, Abu Dhabi, UAE, 2017.
- Attended **Boehringer Ingelheim Research workshop**, University of Sharjah, UAE, 2017.
- Attended **the cancer congress**, Intercontinental hotel, Dubai, 2017.
- Won the best graduate project in the **11th research scientific forum**, University of Sharjah, Sharjah, 2017.
- Participated with an oral presentation in **UAE Graduate students research conference**, Khalifa University, UAE, 2017.
- Participated with s poster in **Medical students’ research week**, University of Sharjah, UAE, 2017.
- Completed a Workshop on **Biological Safety Cabinet, Laminar Flow, Fume Hood and Ductless Fume Hood Technology Awareness**, University of Sharjah, Sharjah, 2017.
- Attended
- Participated with a research poster about “OSU-2S Congeners: Anti-tumor effect of novel and enantiomerically pure pyrrolidine-2-carboxamide derivatives in hepatocellular carcinoma” in **9th Dubai International Conference for Medical Sciences**. 2016, Dubai, UAE.
- Attended the **6th International Genetics Disorder Conference** 2016. Dubai, UAE.
- Attended the **7th international conference on Drug discovery and therapy** 2016. University of Sharjah, UAE.
- Participated in **Research connect workshop** 2016, British Council, Abu Dhabi, UAE.
- Attended the **6th Pan Arab Human Genetics Conference** 2016, Dubai, UAE.
- Attended the **Fifth International Date Palm Conference and General Secretariat of Khalifa International Date Palm Award** 16-18 March 2014, Abu Dhabi, UAE.
- Attended the **5th Pan Arab Human Genetics Conference** and Golden Helix Symposium 2013, Dubai, UAE.
- Won the first prize in an oral presentation about “**Detecting red tide causing algae using biosensors**” in the **4thBiotechnology students’ exhibition**, December 18, 2013, University of Sharjah, UAE.

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- Participated in a debate about “**Genetically Designed Babies**” in the **3rd biotechnology students’ exhibition**, December 12, 2012, University of Sharjah, UAE.
- Participated with a scientific poster about “**Gene Therapy of Diabetes patients**” in the **3rd biotechnology students’ exhibition**, December 12, 2012, University of Sharjah, UAE.
- Participated with a scientific poster about “**Organs transplantation**” during the **2nd Biotechnology students’ exhibition**, December 22, 2011, University of Sharjah, UAE.



VALUABLE CONTRIBUTION IN SOCIETY AND UNIVERSITY ACTIVITIES

- Participated in the **5th students’ leaders’ camping** which was held in the University of Sharjah, 20st-23th January 2014, UAE.
- Volunteered in the **Third Sharjah Academic Orientation Forum 2014**, Sharjah, UAE.
- President of Palestinian club at university of Sharjah, 2014, Sharjah, UAE.
- Organized Palestinian booth in the Global day, 2014, University of Sharjah, UAE.
- Attended “**presenting and lecturing skills**” workshop organized by the center for continuing education and professional development, January 21, 2013, University of Sharjah, UAE.
- Participated in the **4th Students’ leaders’ camping**, University of Sharjah, 21st-24th January 2013, UAE.
- Attended the **Environment and Healthy Food Forum**, 2013, Kalba city municipality, Kalba, UAE.
- Participated in the **Environmental awareness campaign**, 2013, Environment & Protected Areas Authority, Sharjah, UAE.
- Participated in the **Management of the work team** workshop organized by the center for continuing education and professional development, January 22, 2013, University of Sharjah, UAE.
- Attended **Leaders’ generation” conference**, 13th April 2011, Deanship of student affairs, University of Sharjah, UAE



REFERENCES Available upon request



Palestinian Nationality



MARITAL STATUS Single



UAE Driving License



DATE & PLACE OF BIRTH 28th September, 1992
Dubai, UAE



Excellent oral and written in:
Arabic (Native)
English (IELTS score 7 – 2014)