



Dr. Dana Abdulrahman Almohazey

Assistant Professor

Personal Data

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Language Proficiency

Language	Read	Write	Speak
Arabic	Proficient	Proficient	Proficient
English	Proficient	Proficient	Proficient

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2016	PhD degree	University of Southern California	Los Angeles, California, USA
2010	MSc degree	University College London	London, UK
2004	BSc degree	King Faisal University	Dammam, Saudi Arabia

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	The role of neuregulin receptors in cell differentiation and the response to inflammatory cytokines in the
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	intestinal epithelium.
Master	The Effect of Low Ultrasound Duty Cycles on Drug Release from Polymeric Microparticles.
Bachelor	Medical Laboratory Technology
Honors and Awards	<p>Caroline tum Suden/Frances Hellebrandt Professional Opportunity Award. Awarded for the poster titled “ErbB3 Negatively Regulates Homeostatic Paneth Cell Numbers”. Experimental Biology. San Diego, CA, 2016.</p> <p>Takeda Research Award from the American Physiological Society, Gastrointestinal and Liver Section. Awarded for the poster titled “The Neuregulin Receptos ErbB3 and ErbB4 Have Opposing Effects on Intestinal Paneth Cells”. Experimental Biology. Boston, MA, 2015.</p> <p>FASEB Travel Award, Gastrointestinal Tract XVI: GI Homeostasis: The Microbiome and the Barrier, Development, & Disease. Awarded for the poster titled “The Neuregulin Receptos ErbB3 and ErbB4 Have Opposing Effects on Intestinal Paneth Cells”. FASEB. Steamboat, CO, 2015.</p>

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant Professor	Institute for Research and Medical Consultations (IRMC), Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia.	2017-Present
Lecturer	Institute for Research and Medical Consultations (IRMC), Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia.	2011-2017
Medical Laboratory Technologist	Blood Bank & Transfusion Services, Saudi Aramco Medical Services Organization, Dhahran, Saudi Arabia.	2004-2009
Sponsored undergraduate	College Degree Program for Non-Employees (CDPNE), Saudi Aramco Medical Services Organization, Dhahran, Saudi Arabia.	2002-2004

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Vijaya Ravinayagam, Adeeb Shehzad, Dana Almohazey , Sarah Almofty, Meneerah Aljafary, Nada A. Alhamed, Najla Alhamed, Noor A. Al-Rashid,	Decursin induces apoptosis by regulating AMP-activated protein kinase and Bax/Bcl-2 pathway in HepG2 cell line.	European Journal of Integrative Medicine, 2018.



	Ebtesam A .AL-Suhaimi.		
2	Firdos Alam Khan, Sultan Akhtar, Dana Almohazey , Munthar Alomari, and Sarah Ameen Almofty.	Extracts of Clove (<i>Syzygium aromaticum</i>) Potentiate FMSP-Nanoparticles Induced Cell Death in MCF-7 Cells.	International Journal of Biomaterials, 2018.
3	Firdos Alam Khan, Dana Almohazey , Munthar Alomari, and Sarah Ameen Almofty.	Isolation, Culture, and Functional Characterization of Human Embryonic Stem Cells: Current Trends and Challenges.	Stem Cell International, 2018.
4	Firdos Khan, Sultan Akhtar, Dana Almohazey , Munthar Alomari, Sarah Almofty, and Abdelhamid Eliassari.	Fluorescent magnetic submicronic polymer (FMSP) nanoparticles induce cell death in human colorectal carcinoma cells.	Artificial Cells, Nanomedicine, and Biotechnology, 2018.
5	Firdos Khan, Sultan Akhtar, Sarah Almofty, Dana Almohazey , and Munthar Alomari.	FMSP-Nanoparticles induced cell death on human breast adenocarcinoma cell line (MCF-7 cells): Morphometric Analysis.	Biomolecules, 2018.
6	Firdos Alam Khan, Dana Almohazey , Munthar Alomari, and Sarah Ameen Almofty.	Impact of nanoparticles on neuron biology: current research trends.	International Journal of Nanomedicine, 2018.
7	Dana Almohazey , Yuan-Hung Lo, Claire Vossler, Alan Simmons, Jonathan Hsieh, Edie Bucar, Michael Schumacher, Kathryn Hamilton, Ken Lau, Noah Shroyer, and Mark R Frey.	The ErbB3 receptor tyrosine kinase negatively regulates Paneth cells by PI3K-dependent suppression of Atoh1.	Cell Death and Differentiation, 2017.
8	Michael Schumacher, Matija Hedl, Clara Abraham, Jessica Bernard, Patricia Lozano, Jonathan Hsieh, Dana Almohazey , Shivesh Punit, Peter Dempsey, Edie Bucar, and Mark R Frey.	ErbB4 signaling stimulates pro-inflammatory macrophage apoptosis and limits colonic inflammation.	Cell Death and Disease, 2017.
9	Williams CS, Bernard JK, Demory Beckler M, Almohazey D , Washington MK, Smith JJ, Frey MR.	ERBB4 is over-expressed in human colon cancer and enhances cellular transformation.	Carcinogenesis, 2015.
10	Al Alam D, Danopoulos S, Schall K, Sala FG, Almohazey D , Fernandez GE, Georgia S, Frey MR, Ford HR, Grikscheit T,	Fibroblast growth factor 10 alters the balance between goblet and Paneth cells in the adult mouse small intestine.	American Journal of Physiology-Gastrointestinal and Liver Physiology, 2015.



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11	McElroy SJ, Castle SL, Bernard JK, Almohazey D , Hunter CJ, Bell BA, Al Alam D, Wang L, Ford HR, Frey MR.	The ErbB4 ligand neuregulin-4 protects against experimental necrotizing enterocolitis.	Americal Journal of Pathology, 2014.
12	Enayati, M., Al Mohazey, D. , Edirisinghe, M., & Stride, E.	Ultrasound-stimulated drug release from polymer micro and nanoparticles.	Bioinspired, Biomimetic and Nanobiomaterials, 2012.

Invited Published Refereed Book Chapters

(In Chronological Order Beginning with the Most Recent)

#	Name of Authour(s)	Chapter Title	Book Title	Publisher and Date of Publication
1	Munther Alomari, Dana Almohazey , Sarah Almofty, Amani Alhibshi, Iman Almansour, Chariya Kaewsaneha, Waisudin Badri, Hatem Fessi, and Abdelhamid Elaissari.	Magnetic-responsive polysaccharide-inorganic composite materials for cancer therapeutics.	Polysaccharide Carriers for Drug Delivery.	Elsevier publisher, In Press.
2	Almohazey, D and Frey, MR.	The intestinal stem cell niche and its regulation by ErbB growth factor receptors.	Stem cells, tissue engineering, and regenerative medicine.	World Scientific Publishing, 2015.

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Experimental Biology	San Diego, CA, USA, April 2016.	Poster/selected for an oral Presentation.
2	FASEB Gastrointestinal Tract XVI	Steamboat, CO, USA, August 2015.	Poster/ selected for a FASEB travel award.
3	Experimental Biology	Boston, MA, USA, April 2015	Poster/ selected as a Poster of Distinction.
4	Experimental Biology	San Diego, CA, USA, April 2014.	Poster/selected for an oral Presentation.

Membership of Scientific and Professional Societies and Organizations



- American Society for Clinical Pathology, 2007-2014
- American Physiological Society, 2014-present.

Teaching Activities

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	Undergraduate	Aroub Almubarak, volunteer, 2018.	April, 2018	September, 2018
2	Fellow in Clinical Microbiology.	Dr. Ali Alhaddad.	2018	1 day training
3	High School	Deemah Ghazi, Mawhebah Program. Deemah won the Mu Alpha Theta Award and 4th place at Ibdaa National Olympiad competition for her project with us. She was also qualified to compete in the Intel International Science and Engineering Fair (Intel ISEF), at the United States, May, 2018.	October, 2017	May, 2018
4	Undergraduate	23 students, College of Applied Medical Sciences, IAU.	2017	1 day training
5	High School	Kay Katada , Marlborough School Honors Research in Science Program.	2016	2017
6	High School	Lauryn Hudson, Latino & African-American High School Internship Program.	2016	2 months
7	High School	Claire Vossler, Marlborough School Honors Research in Science Program.	2015	2016
8	High School	Jane Irons, Marlborough School Honors Research in Science Program.	2014	2015

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Volunteer Work

#	Date	Type of Volunteer	Organization
1	2018	Organizer/Mentor in the Cancer Innovation Challenge Track.	MIT Hacking Medicine- Saudi Arabia, King Abdulaziz City for Science and Technology (KACST).
2	2018	Speaker	Refq Initiative for high-achieving senior high school students.
3	2016	Bruce Award Judge for undergraduate posters.	Experimental Biology Conference, San Diego, CA.



Last Update

Dec/05/2018