



Nada Zainalabden Tawfeeq

Assistant Professor

Personal Data

Nationality | Saudi

Department | Pharmaceutical Chemistry, College of Clinical Pharmacy

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Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2021	PhD in Pharmaceutical Sciences-Medicinal Chemistry	Florida Agricultural and Mechanical University (FAMU)	Tallahassee, FL, USA
2021	Master Of Science (MS) in Pharmaceutical Sciences-Medicinal Chemistry	Florida Agricultural and Mechanical University (FAMU)	Tallahassee, FL, USA
2015	Master Of Science (MS) in Medicinal Chemistry	Massachusetts College of Pharmacy and Health Sciences (MCPHS)	Boston, MA, USA
2011	Doctor of Pharmacy (Pharm.D)	King Abdulaziz University	Jeddah, KSA

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

PhD Dissertation	Targeting K-RAS mutant cancers with Polyisoprenylated cysteinyl amide inhibitors (PCAls)
Master Thesis	Synthesis and Studies of N, N-(Dimethylamino) Methylene Prodrugs of Gemcitabine, Ara-A and Ara-G



Professional Record:

Job Rank	Place and Address of Work		Date
Assistant Professor	Pharmaceutical Chemistry	College of Clinical Pharmacy IAU	Dammam, KSA Jun 2022 - Present
Lecturer	Pharmaceutical Chemistry	College of Clinical Pharmacy IAU	Dammam, KSA Aug 2016- May 2022
Teaching Assistant	Pharmaceutical Chemistry	College of Clinical Pharmacy IAU	Dammam, KSA Jan 2012 – Jul 2016
Teaching Assistant	Chemistry	College of Art and Science Massachusetts College of Pharmacy and Health Sciences (MCPHS)	Boston, MA, USA Jan 2014- Dec 2014
Intern	Pharmacy Internship Rotations	King Faisal Specialist Hospital & Research Centre (KFSH&RC-J)	Jeddah, KSA Sep 2010 - June 2011

Administrative Responsibilities, Committee and Community Service

Administrative Position	Office	Date
Head “Academic Advising and Support Unit”	College of Clinical Pharmacy, IAU	Oct 2022-Present
Member “Postgraduate committee”	College of Clinical Pharmacy, IAU	Sep 2023- Present
Member “Student Activities Unit”	College of Clinical Pharmacy, IAU	Sep 2023- Present

Scientific Achievements

Published Refereed Scientific Researches

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Gomaa, M., Gad, W., Hussein, D., Pottoo, F.H., Tawfeeq, N. , Alturki, M., Alfahad, D., Alanazi, R., Salama, I., Aziz, M. and Zahra, A.,	Sulfadiazine Exerts Potential Anticancer Effect in HepG2 and MCF7 Cells by Inhibiting TNF α , IL1b, COX-1, COX-2, 5-LOX Gene Expression: Evidence from In Vitro and Computational Studies	<i>Pharmaceuticals</i> , 17(2), p.189, 2024 .
2	Tawfeeq N. , Lazarte J. Mary S., Jin Y., Gregory M. D., Lamango N. S.	Polyisoprenylated cysteinyl amide inhibitors deplete singly polyisoprenylated	<i>Oncotarget</i> ; 14: 243-257, 2023 .



		monomeric G-proteins in lung and breast cancer cell lines.	
3	Lamango, N. S., Nkembo, A. T., Ntantie, E., & Tawfeeq, N.	Polyisoprenylated Cysteinyl Amide Inhibitors: A Novel Approach to Controlling Cancers with Hyperactive Growth Signaling.	<i>Current Medicinal Chemistry</i> , 28(18), 3476-3489, 2021 .
4	Tawfeeq, N. , Jin, Y., & Lamango, N. S.	Synthetic Optimization and MAPK Pathway Activation Anticancer Mechanism of Polyisoprenylated Cysteinyl Amide Inhibitors.	<i>Cancers</i> , 13(22), 5757, 2021 .

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Gregory, M. D., Tawfeeq, N. , Lazarte, J. M., Jin, Y., Puente, P., Belony, N., ... & Lamango, N. S.	PCAI-induced phosphorylation of MAP kinase pathway enzymes is associated with cell death of black American lung adenocarcinoma cell line NCI-H23.	<i>Cancer Research</i> , 82(12_Supplement), 2680-2680, 2022 .
2	Lazarte, J. M., Tawfeeq, N. , Jin, Y., & Lamango, N.	Activation of MAP kinase pathway in breast cancer cell lines by polyisoprenylated cysteinyl amide inhibitors (PCAI) causes cell death.	<i>Cancer Research</i> , 82(12_Supplement), 2683-2683, 2022 .
3	Tawfeeq, N. , Jin, Y., & Lamango, N.	MAPK signaling pathway disruption explains the anticancer mechanism for polyisoprenylated cysteinyl amide inhibitors (PCAI).	<i>Cancer Research</i> , 81(13_Supplement), 2273-2273, 2021 .
4	Tawfeeq, N. , Jin, Y., & Lamango, N. S.	Synthetic optimization of polyisoprenylated cysteinyl amide inhibitors to target cancers with hyperactive G-proteins.	<i>Cancer Research</i> , 80(16_Supplement), 2591-2591, 2020 .
5	Nkembo, A. T., Lamango, N. S., Jin, Y., Tawfeeq, N. , & Mensah-Mamfo, J.	Disrupting the protein signaling activity of MAPK pathway as target for metastatic colorectal cancer therapy.	<i>The FASEB Journal</i> , 34(S1), 1-1, 2020 .
6	Tawfeeq, N. , & Kerr, S.	Synthesis and Studies of N, N - (Dimethylamino) Methylene Prodrugs of Gemcitabine, Ara - A and Ara - G.	<i>The FASEB Journal</i> , 30, 937-11, 2016 .



Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	1 ST Meeting of The Saudi Society for Oncology Research (SSOR 2022) Saudi Society for Oncology Research (DAEM)	Dammam, KSA Sep 2022	Workshop Title: How to use In-silico drug design and discovery in cancer research?
2	Targeting RAS Symposium	Salamanca, Spain Sep 2023	Poster Title: In silico Drug Repurposing Approach of some FDA approved drugs against KRAS G12C for cancer therapy.

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Medicinal Chemistry I	PHCH 302	03 Cr. Hrs /week
2	Medicinal Chemistry II	PHCH 308	03 Cr. Hrs /week
3	Biochemistry I	BIOCH 223	02 Cr. Hrs /week
4	Organic Chemistry II	PHCH 209	03 Cr. Hrs /week
5	Graduation Project	CLPH 507	03 Cr. Hrs /week

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