



DEMA ABDULLAH A ALODAINI

POSITION: Assistant Professor

Personal Data

Nationality | Saudi

Date of Birth | 18/9/1990

Department | Clinical laboratory Sciences

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Office Phone No. | N/A

Language Proficiency

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

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
٢٠٢٤	Doctorate of philosophy	University of Birmingham	United Kingdom
٢٠١٨	Master	Boston University	United States of America
٢٠١٢	Bachelor	Dammam University	Kingdom of Saudi Arabia

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

PhD	Investigation of Functional-Dependencies Between PG Hydrolases and The Bifunctional Class A PBPs Across Stress Conditions in E. coli
Master	BLOOD GROUP O AND RISK OF INFECTION WITH VIBRIO CHOLERAEE
Fellowship	



Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant Prof.	Imam Abdulrahman Bin Faisal University	2024
Lecturer		2018
Demonstrator		2014

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
N/A		
N/A		

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	Bryant, J.A.; Morris, F.C.; Knowles, T.J.; Maderbocus, R.; Heinz, E.; Boelter, G.; Alodaini, D.; Colyer, A.; .Wotherspoon, P.J.; Staunton, K.A. et al	Structure of dual-BON domain protein DolP identifies phospholipid binding as a new mechanism for protein localization	eLif Journal 2020
2	Boelter, G.; Bryant, J.A.; Doherty, H.; Wotherspoon, P.; Alodaini, D.; Ma, X.; Alao, M.B.; Moynihan, P.J.; .Moradigaravand, D.; Glinkowska, M. et al	The lipoprotein DolP affects cell separation in Escherichia coli but not as an upstream regulator of NlpD	Microbiology Society 2020
3	Alodaini, D.; Hernandez-Rocamora, V.; Boelter, G.; Ma, X.; Alao, M.B.; Doherty, H.M.; Bryant, J.A.; .Moynihan, P.; Moradigaravand, D.; Glinkowska, M. et al	Reduced peptidoglycan synthesis capacity impairs growth of E. coli at high salt concentration	mBio journal 2024

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
	N/A			
	N/A			



Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
	N/A		
	N/A		

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
	N/A		
	N/A		

Current Researches

#	Research Title	Name of Investigator(s)
	N/A	
	N/A	

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	N/A		
	N/A		

Membership of Scientific and Professional Societies and Organizations

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Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Bacteriology and Mycology	CLS304	Course Coordinator
2	Immunology and Serology	CLS301	Lecturer
3	Laboratory practice and instrumentation	CLS201	Lecturer

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)



Postgraduate

<p>CLS304 – Bacteriology and Mycology Bacteriology and Mycology CLS 304 course covers the field of medical bacteriology and medical mycology. The students are exposed to variety of microorganisms that are present as normal flora in the human body and how opportunistic pathogens establish an infection. The practical sessions of the course cover the laboratory diagnosis of medically important bacteria where the students process bacterial specimens and run the relevant tests to achieve accurate diagnosis.</p>	1
<p>CLS301 - Immunology and Serology Immunology and Serology is a course that explains the human immune system, its functions, and disorders. The course discusses the anatomy of immune organs and cells and the basis of interaction between antibodies and antigens. It also covers the aspects of immunological techniques. The course will explain the principles of antigen – antibody interactions, basic immunoassays, while defining diagnostic procedures and the importance of interpreting patient results using immunological and serological methods that will differentiate between many immune dysfunctions (disorders).</p>	2
<p>CLS201 – Laboratory practice and instrumentation This course is designed to introduce students to different laboratory instruments and the principle of routine laboratory practice in clinical laboratories. In addition, the course will help students to recognize sources of errors during the routine use of laboratory instruments, performing routine maintenance and troubleshooting.</p>	3

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	N/A		
2	N/A		

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	N/A
2	N/A

Course Coordination

#	Course Title and Code	Coordinati on	Co-coordination	Undergr ad.	Postgrad .	From	To
	N/A						
	N/A						
	N/A						



Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
	N/A			
	N/A			

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
	N/A			
	N/A			

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
	N/A			
	N/A			

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
	N/A			
	N/A			

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

Administrative Responsibilities

#	From	To	Position	Organization
	N/A			
	N/A			

Committee Membership

#	From	To	Position	Organization
	N/A			
	N/A			

Scientific Consultations

#	From	To	Institute	Full-time or Part-time
	N/A			
	N/A			

Volunteer Work

#	From	To	Type of Volunteer	Organization
	N/A			
	N/A			

Last Update

15/10/2024

