



# FACULTY FULL NAME: Dr. Lamyia Zohair Abdullah Yamani

POSITION: Assistant Professor

## Personal Data

Nationality | Saudi

Date of Birth | July 14<sup>th</sup> 1983

Department | Clinical Laboratory Sciences

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## Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓
Others			

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2017	PhD	UK	Queen Mary University of London (London; UK)
2010	MSc	USA	University of Minnesota (Twin cities; USA)
2005	BSc	KSA	King Faisal University (Dammam; KSA)

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

PhD	Characterising the role of mTORC1 in Myeloid Cells
Master	Bcl-2 Family and Apoptotic Properties
Fellowship	-



### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Assistant Professor		Imam AbdulRahman Bin Faisal University (Dammam; KSA)	2017-Ongoing...
Lecturer		University of Dammam (Dammam; KSA)	2011-2017(Scholarship 2013-2017)
Laboratory Technologist		Saad Specialist Hospital (Khobar; KSA) Microbiologist/Immunologist	2006-2007

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Chairperson to the Department of Medical Laboratory Sciences	CAMSJ Jubail	2022-Ongoing
Chairperson to the Department of Anesthesia Technology	CAMSJ Jubail	2021-Ongoing
Academic Advisor (CLS)	Building 55 (Office 25)	2017- 2021
Internship Coordinator (CLS)	Building 800	2011-2013

### 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	Welayah Ali AlAmmar, Fatima Hassan Albeesh, Layla Makki Ibrahim, Yasmin Yussuf Algindan, Lamya Zohair Yamani and Rabie Yousif Khattab	Effect of Omega-3 Fatty Acids and Fish Oil Supplementation on Multiple Sclerosis: A Systematic Review	Taylor and Francis August 21,2019
2	Elfadil Abbas, Zainab Alhashem, Lamya Zohair Yamani	Leishmaniasis in Saudi Arabia: Current situation and future perspectives	Pakistan Journal of Medical Sciences February 28th 2020
3	Lamya Yamani, Aisha Alamri, Afnan Alsultan, Somaya Alfifi, Mohammad Azam Ansari, Amani Alnimr	Inverse correlation between biofilm production efficiency and antimicrobial resistance in clinical isolates of Pseudomonas aeruginosa	Microbial Pathogenesis May 17th, 2021



4	Maryam Jangani, Juho Vuononvirta, Lamya Yamani, Eleanor Ward, Melania Capasso, Suchita Nadkarni, Frances Balkwill, Federica Marelli-Berg	Loss of mTORC2-induced metabolic reprogramming in monocytes uncouples migration and maturation from production of proinflammatory mediators	Journal of Leukocyte Biology September 29th, 2021
5	Nasreldin Elhadi, Lamya Zohair Yamani, Mohammed AlQahtani, Amer Alomar, Asim Deyab, Hafiz Ibrahim	Serological, antibiotic resistance pattern and molecular characterization of <i>Vibrio parahaemolyticus</i> isolated from coastal water environment in Eastern Province of Saudi Arabia	Journal of Epidemiology and Global Health.
6	Lamya Yamani, Nasreldin Elhadi	Virulence Characteristics, Antibiotic Resistance Patterns and Molecular Typing of Enteropathogenic Producing <i>Escherichia coli</i> (EPEC) Isolates in Eastern Province of Saudi Arabia: 2013–2014	Infection and Drug Resistance
7	Amani Yousef Owaidah, Lamya Zohair Yamani	Misclassification of RhD variants among pregnant women: a systematic review	Journal of Medicine and Life

#### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	Welayah Ali AlAmmar, Fatima Hassan Albeesh, Layla Makki Ibrahim, Yasmin Yussuf Algindan, Lamya Zohair Yamani and Rabie Yousif Khattab	Effect of Omega-3 Fatty Acids and Fish Oil Supplementation on Multiple Sclerosis: A Systematic Review	Nutritional Neuroscience	August 19, 2019



2	Elfadil Abbas, Zainab Alhashem, Lamya Zohair Yamani	Leishmaniasis in Saudi Arabia: Current situation and future perspectives	Pakistan Journal of Medical Sciences	February 28th 2020
3	Lamya Yamani, Aisha Alamri, Afnan Alsultan, Somaya Alfifi, Mohammad Azam Ansari, Amani Alnimr	Inverse correlation between biofilm production efficiency and antimicrobial resistance in clinical isolates of <i>Pseudomonas aeruginosa</i>	Microbial Pathogenesis	May 17th, 2021
4	Maryam Jangani, Juho Vuononvirta, Lamya Yamani, Eleanor Ward, Melania Capasso, Suchita Nadkarni, Frances Balkwill, Federica Marelli-Berg	Loss of mTORC2-induced metabolic reprogramming in monocytes uncouples migration and maturation from production of proinflammatory mediators	Journal of Leukocyte Biology (JLB)	September 29th, 2021
5	Nasreldin Elhadi, Lamya Zohair Yamani, Mohammed AlQahtani, Amer Alomar, Asim Deyab, Hafiz Ibrahim	Serological, antibiotic resistance pattern and molecular characterization of <i>Vibrio parahaemolyticus</i> isolated from coastal water environment in Eastern Province of Saudi Arabia	Journal of Epidemiology and Global Health.	October 2nd, 2022
6	Lamya Yamani, Nasreldin Elhadi	Virulence Characteristics, Antibiotic Resistance Patterns and Molecular Typing of Enteropathogenic Producing <i>Escherichia coli</i> (EPEC) Isolates in Eastern Province of Saudi Arabia: 2013–2014	Infection and Drug Resistance	November 15th, 2022
7	Amani Yousef Owaidah, Lamya Zohair Yamani	Misclassification of RhD variants among pregnant women: a systematic review	Journal of Medicine and Life	July 16, 2023



### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

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

### Completed Research Projects

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

### Current Researches

#	Research Title	Name of Investigator(s)
1	<b>The Effect of Synbiotic Consumption on Glycemic, Inflammatory Markers and Body Composition on Prediabetic and Diabetic Patients: A Double Blinded Randomized Control Trial</b>	Yasmin Algindan, Aisha Alamri, Lamya Yamani, Waleed Albakr, Haneen Yousif, Tunny Sebastian, Rabie Khattab, Razan Algarni, Fatimah Zainuddin
2	<b>Microbiological and Immunological factors contributing to the progression of Asthma</b>	Aisha Alamri, Lamya Yamani, Afnan Alsultan, Suzan Alkhater, Nora Aljindan
3	<b>Expression of Macrophage Migration Inhibitory Factor, Correlates with Down- Regulation of Beclin-1 With Negative Effects on Antigen Presentation and Ovarian Cancer Prognosis</b>	Sara AlRushaid and Lamya Yamani
4	<b>Upregulation of SPDEF Gene Targets NFkB Pathway Activation Affecting Proliferation and Invasiveness of Breast Cancers</b>	Rawabi AlDossary and Lamya Yamani

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution

### 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)
	Immunology/Serology	MLT 311	Lectures, tutorials, practicals (Course Coordinator)
	Clinical Immunology and Serology Rotation	MLT 423	Lectures, tutorial, practicals (Course Coordinator)
	Introduction to Microbiology	MLT 211	Lectures (Course Instructor)
	Virology	MLT 324	Lectures (Course Instructor)
	Diagnostic Clinical Microbiology Rotation	MLT 421	Lectures (Course Instructor)
	Research Project	MLT 424	Lectures (Course Instructor)/Supervisor

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

Immunology/Serology MLT 311: 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 serological techniques.

Clinical Immunology and Serology Rotation MLT 423: This clinical immunology course provides knowledge on clinical diagnosis of various infectious and non-infectious diseases using immunological techniques. This course includes lectures, clinical cases and clinical training in the hospital. The course also focusses on processing the clinical samples from patients suffering from immunological diseases using different techniques and interpreting the results correctly.

Introduction to Microbiology MLT 211: Importance of microorganisms; sterilization procedures; culture media: preparation, types of culture media; smearing and staining techniques, microbial growth: factors affecting growth, growth pattern, determination of microbial growth; morphology and classification of major groups of microorganisms: Host-Pathogen interactions.

Diagnostic Clinical Microbiology Rotation MLT 421: This course encompasses all laboratory aspects of clinical laboratory techniques involved in the isolation, identification and antimicrobial susceptibility testing of cultivable pathogens that are diagnosed from clinical samples such as blood, pus, sputum, CSF, stool and other patient exudates. It teaches how to apply theoretical knowledge and established practical microbiological techniques to interpret relevant results in clinical microbiology laboratory.

Virology MLT 323: Virus taxonomy, important human pathogenic viruses, virus structure, infection process at cell level and organism level, pathogenesis, epidemiology, molecular interactions between viruses and host cells, genetic stability of viruses, influence on host



cell growth control, immune response against viruses, virus vaccines, antiviral drugs, virus vectors for gene therapy and molecular virology experiment

Research Project MLT 424: This course provides an understanding of the principles and topics of individual research and their experimental basis, and to enable students to acquire a specialized knowledge and understanding of selected aspects by means of a research project.

The course teaches ways to search the literature, understand statistics, critical appraisal, obtaining ethical approval, writing research protocols, selecting robust outcome measures, using and developing questionnaires, how to apply for research funding, disseminating research, academic honesty and plagiarism

### Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Microbiology and Parasitology	MLT 833	Lectures (Course Instructor)
2	Pathology	MLT 821	Lectures (Course Instructor)
3	Advanced Immunology	CLS 712	Lectures ( <b>Course Coordinator</b> )
4	Principles of Immunology	CLS 711	Lectures (Course Instructor)
5	Research Methodology	CLS 701	Lectures (Course Instructor)
6	Advanced Immunology II	CLS 715	Lectures ( <b>Course Coordinator</b> )
7	Molecular Immunology	CLS 716	Lectures ( <b>Course Coordinator</b> )
8	Immunology of Infectious Diseases	CLS 713	Lectures (Course Instructor)
9	Clinical Immunology & Serology	CLS 714	Lectures (Course Instructor)

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

1	Microbiology and Parasitology MLT 833 (Lecturing on Immunodiagnostics)
2	Pathology MLT 821(Lecturing on Illustration of Immune Diseases and Immunotechniques)
3	Advanced Immunology CLS 712 Lecturing on Tumour Immunology
4	Principles of Immunology CLS 711 Lectures on Immunity and diseases
5	Research Methodology CLS 701 Lectures on research components

### Course Coordination

#	Course Title and Code	Coordinati on	Co-coordination	Undergr ad.	Postgrad .	From	To
	Immunology / Serology MLT 311	✓	-	✓	-	2017	Ongoing



Clinical Immunology and Serology MLT 423	✓	-	✓	-	2017	Ongoing
Advanced Immunology	✓	-		✓	2020	Ongoing
Advanced Immunology II	✓	-		✓	2021	Ongoing
Molecular Immunology	✓	-		✓	2021	Ongoing

#### Guest/Invited Lectures for Undergraduate Students

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

#### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
	Undergraduates: All Levels (4-12)	86 (approximately annually)	2017	2021
	Postgraduates	2	2020	ongoing

#### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Masters of Science (MSc)	Expression of Macrophage Migration Inhibitory Factor, Correlates with Down-Regulation of Beclin-1 With Negative Effects on Antigen Presentation and Ovarian Cancer Prognosis	Imam Abdulrahman Bin Faisal University	2020-ongoing
2	Masters of Science (MSc)	Upregulation of SPDEF Gene Targets NFkB Pathway Activation Affecting Proliferation and Invasiveness of Breast Cancers	Imam Abdulrahman Bin Faisal University	2021-ongoing





### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
1	MSc	Expression of Macrophage Migration Inhibitory Factor, Correlates with Down-Regulation of Beclin-1 With Negative Effects on Antigen Presentation and Ovarian Cancer Prognosis	Imam Abdulrahman Bin Faisal University	2021-ongoing
2	MSc Awaiting DSR Approval	Upregulation of SPDEF Gene Targets NFkB Pathway Activation Affecting Proliferation and Invasiveness of Breast Cancers	Imam Abdulrahman Bin Faisal University	2021-ongoing

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

#### Administrative Responsibilities

#	From	To	Position	Organization
1	2023	Ongoing	Vice Dean of Development and Community Partnerships	CAMSJ
2	2022	Ongoing	Chairperson	MLS Department (CAMSJ)
3	2021	Ongoing	Chairperson	AT Department (CAMSJ)
4	2017	2021	Academic Advisor	CLS Department (Department Level)

#### Committee Membership

#	From	To	Position	Organization
	2023	Ongoing	Member	CLS Planning and Development
	2021	Ongoing	Head and Member	Steering Committee AT Accreditation Standard 3 (Head) Standards 1,2,4,5 (Member)



	2022	Ongoing	Member	CLS Postgraduate Accreditation Committee
	2021	2021	Member	Development of Interdisciplinary, Major and Minor Programs (University Level)
	2018	2021	Member	Field Training Initiative (University Level)
	2017	Ongoing	Member	CLS Curriculum Committee (Department Level)

### Scientific Consultations

#	From	To	Institute	Full-time or Part-time

### Volunteer Work

#	From	To	Type of Volunteer	Organization

### Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Writing Skills
2	Computer Skills

### Last Update

25/12/2023