

Dr. Jamilah Obaid Lafi Alshammari

Assistant Professor – Science college, King Saud University

Personal Information

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Languages: Arabic / English

Education

PhD in Medical Immunology – University of Liverpool, UK (2023)

MSc in Physiology – King Saud University, Riyadh (2011)

BSc in Biology – King Faisal University, Hafar Al-Batin (2005)

Professional Experience

Assistant Professor – Department of Zoology, King Saud University (2023 – Present)

Lecturer – Department of Zoology, King Saud University (2018 – 2023)

Teaching Assistant – Department of Zoology, King Saud University (2010 – 2018)

Teacher – Ministry of Education, Hafar Al-Batin (2007 – 2010)

Training Courses, Seminars & Workshops

- Attended a training course on the **Effective Meetings Management System**, February 11, 2026, King Saud University.
- Attended a training course on **Writing Research Project and Grant Proposals**, February 10, 2026, King Saud University.
- Attended a training course on the **Blackboard Learning Management System (LMS)**, February 1, 2026, King Saud University.
- Attended a training course on **Artificial Intelligence in Educational Content Design**, February 10, 2026, King Saud University.
- Attended the **7th International Conference of the Arab Society for Forensic Sciences and Forensic Medicine**, December 2–4, 2025, Naif Arab University for Security Sciences.

- Attend the 56th Annual meeting of the French Society for immunology (FSI), 12-14 November 2025 Paris, France
- Attended the stem cell therapy conference: a paradigm shift in treatment and its role in regenerative medicine, 26-27 September 2025, AL Faisal University, Riyadh
Governance: Mechanisms and Practices, September 15, 2025 – King Saud University
- Attend AI Competencies for Learners: From Understanding to Empowerment, September 1, 2025 – King Saud University
- Attend Interactive Blackboard Training, May 2025 – King Saud University, Riyadh
- Attend the Global Metagenome and Microbiome Conference, May 2025 – Metagenome & Microbiome Society, Riyadh
- Attend The 1st MNGHA Women Health 'Together for Healthier Women' Conference, April 24–26, 2025 – King Saud Bin Abdulaziz University for Health Sciences, Riyadh
- Attend the Human Capabilities Initiative Conference, April 13–14, 2025 – King Abdulaziz International Conference Center, Riyadh
- Attend the Applications of Artificial Intelligence in Scientific Research, 2024
- Attend the Mechanisms of Schedules and Registration in Academic Departments, 2024
- Attend the Academic Advising Training, 2024
- Attend the Artificial Intelligence in Research and Publication, 2024
- Attend the Design and Development of Academic Courses (Foundation Program), 2024
- Attend the Effective University Teaching (Foundation Program), 2024
- Attend the Using Modern Technologies in Teaching (Foundation Program), 2024
- Attend the Learning Outcomes and E-Assessment (Foundation Program), 2024
- Attend the Microteaching and Peer Consultation (Foundation Program), 2024
- Attend the Statistical Analysis using SPSS, 2023
- Attend the Fundamentals of International Research Collaboration, 2023
- Attend the Principles of Excellence in University Teaching, 2023
- Attend the British Society of Immunology Conference, Liverpool, UK (2019)
- Attend the British Society of Immunology Conference, Brighton, UK (2017)
- English Language Course – University of Liverpool, UK (3 months, 2016)
- English Language Course – New College Manchester, UK (6 months, 2014–2015)
- Organized multiple workshops at the Department of Zoology, King Saud University, including IVF Workshop (2010–2015)
- Participation in Mawhiba Enrichment Program: Biotechnology and Infertility, 2010

Laboratory Skills

- ELISA
- DNA/RNA Extraction

- PCR, RT-PCR
- Flow Cytometry
- Immunofluorescence
- Western Blot
- Tissue Culture
- Experiments related to viral infection

Memberships & Committees

- Member, French Society for immunology (SFI), (2025- Now)
- Member, Saudi Society for Artificial Intelligence and Intelligent Systems (2024 – Present)
- Member, Timetable Committee – Department of Zoology
- Member, Student Advisory Committee – Department of Zoology
- Member, Alumni Committee – Department of Zoology

Teaching & Supervision

Taught undergraduate and postgraduate courses including: General Physiology, Advanced Physiology, Cell Physiology, Hormonal Physiology, Embryology, Immune Response Mechanisms, and Reproductive Physiology & Artificial Insemination. Supervision of MSc students in Forensic Sciences .Supervision and examination of postgraduate theses at King Saud University

Publications

- Genetic polymorphisms of tumor necrosis factor receptor-associated factor 3 and their association with acute lymphoblastic leukemia, 2026
- The Association of IL-17RC Polymorphisms rs708567 and rs76999397 With Acute Lymphoblastic Leukaemia, 2025
- Genetic variation in NFKB1 signaling molecules: implications for acute lymphoblastic leukemia in Saudi Arabia, 2025
- Nano-azurin peptide as an inducer of innate immune responses, 2025.
- Genetic Polymorphisms of VEGF and Recurrent Spontaneous Miscarriage, 2025.
- Feature importance and model performance for prediabetes prediction, 2024.
- Role of TRAF1 gene polymorphisms in Acute Lymphoblastic Leukemia, 2024.
- Influence of Media Supplementation with Zinc and/or Thymoquinone on Mouse Oocytes Development, 2012.