

# DR. RIMAH ABDULLAH A SALEEM

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Nationality: Saudi

## Summary

A highly enthusiastic Biochemist with a Ph. D in Cell Biology from King's College London with more than 5+ years of extensive technical, analytical and interpretive skills with practical laboratory experience. Experienced in research projects, critical data analysis and defending conclusions alongside to time management. An excellent leader, mentoring students, excels at working collaboratively with colleagues and confident presenting at scientific events.

## Education

King's College London, London, United Kingdom <i>PhD in Cell Biology</i>	2012-2018
Brunel University, London, United Kingdom <i>Master of science in Molecular Medicine and Cancer Research</i>	2011-2012
Kaplan Aspect, London United Kingdom <i>Pre-Master Diploma</i>	2008-2009
King Saud University, Riyadh, Saudi Arabia <i>BSc in Biochemistry</i>	2003-2008

## Work Experience

<b>Senior Lecturer, Alfaisal University</b>	2021-Present
<ul style="list-style-type: none"><li>• Deliver a lecture to medical students.</li><li>• Deliver lectures to MSc students.</li><li>• Deliver lectures to Pharmacy students.</li><li>• Prepare and perform laboratory techniques.</li><li>• Invigilate student final exams.</li><li>• Facilitate PBL sessions.</li><li>• Facilitate TBL sessions.</li><li>• Assess exams and essays.</li><li>• Participate as a judge in poster presentations.</li><li>• Organized and participated in the ASPIRE summer program 2021.</li><li>• Taught experimental procedures and monitored student progress during laboratory sessions.</li><li>• Supervise MSc students.</li><li>• Involved in research projects including create study, conducting experiments, analysing data and writing manuscripts.</li></ul>	

**Scientific Researcher, King's College London**

2012-2018

- Managed a 4-year research project to investigate the role of mTOR in isolated and cultured salivary progenitor cells for salivary gland regeneration.
- Performed *in vitro* and *in vivo* experiments in a mice model.
- Collaborated with other researchers on different aspects of the project.
- Presented findings at international conferences.
- Presented weekly discussions and lab meetings.
- Wrote thesis and conference abstracts.
- Supervised and trained BSc and MSc students to conduct, process, and analyse various experimental procedures.

**Research Assistant, King's College London**

2017

- Managed a project to study protein variations and proteolytic activity in dog saliva.
- Selected and applied appropriate methodologies for exploration.

**Research Assistant, King's College London**

2016

- Investigated the effects of *in vivo* injections of Bitox into murine salivary glands.
- Performed histological and biochemical experiments to investigate the effects of Bitox.
- Gathered all data for analysis.

**Scientific Researcher, Brunel University, London**

2011-2012

- Managed and comprehended a 1-year theoretical and practical experience in cellular, molecular biology, and genetics, together with techniques for investigating human cancer.
- Developed methodologies for studying the chromosomal aberrations in human leukaemia.
- Interpreted and analysed acquired data.

**Volunteer Work**

**Research Assistant, King's College London, London, United Kingdom**

2018

- Managed a project to examine the effect of different molecules on saliva ferning patterns.

**Lab Technician, Al Mishari Hospital, Riyadh, Saudi Arabia**

2006

- Processed patients' blood samples for biochemical assessments.
- Read and exported data.
- Presented a talk to lab staff on diabetes.

## Publications

1. **Saleem, R.** and G. Carpenter, *The Role of mTOR and Injury in Developing Salispheres*. Biomedicines, 2023.
2. Zarroug, S., Bajaman., J, Hamza F., **Saleem, R.**, Abdalla, H. *Caenorhabditis elegans as an In Vivo Model for the Discovery and Development of Natural Plant-Based Antimicrobial Compounds*. Pharmaceuticals, 2023.
3. Alhusseini, N., Ramadan, M., Aljarayhi, S., Arnous, W., Abdelaal, M., Dababo, H., Dalati, B., Al Doumani, O., AlNasser, S., **Saleem, R.**, *Added sugar intake among the Saudi population*. PLOS ONE, 2023. **18**(9): p. e0291136.
4. Almaghami, T., Attiyah, W., Bahasan, M., Alotaibi, B., Alahmadi, S., Hanbazazh, M., Zakarayiah, A., **Saleem, R.**, Alnezi, M., hawsawi, Y. Identification of Cystic Fibrosis Transmembrane Conductance Regulator Gene (CFTR) Variants: A Retrospective Study on the Western and Southern Regions of Saudi Arabia, 2023.
5. **Saleem, R.**, et al., Micronutrient Status Assessment in Saudi Patients Prior to Laparoscopic Sleeve Gastrectomy: A Retrospective Study. *Nutrición Clínica y Dietética Hospitalaria*, 2023.**43**(4).
6. Alhusseini, N., Alsinan, N., Almutahhar, S., Khader, M., Tamimi, R., Elsarrag, M., Ibrahim Warar, R., Alnasser, S., Ramadan, M., Omair, A., Aouabdi, S., **Saleem, R.**, Alabadi-Bierman, A., *Dietary trends and obesity in Saudi Arabia*. *Frontiers in Public Health*, 2023. **11**.

An author of a book on self-improvement under the title *التغيير يبدأ من هنا* – available online on the publisher's website (Adab-book) and in the Jarir book store.

An author of an article on the importance of the salivary gland for health – published in *Alfaisal Magazine*.

## Projects

- **Ongoing projects:**

- Functional study on miR-200a in chemo-resistant breast cancer.
- Characteristics of Sjögren Syndrome patients in Saudi Arabia.
- Changes in Saliva and Blood Parameters in Obese and Laparoscopic Sleeve Gastrectomy Patients.
- The role of metformin in delaying salivary gland atrophy
- Assessing Attitudes Towards COVID-19 Vaccination and Clinical Trials Among Saudi University Affiliates: Implications for Public Health Policy
- Assessment of oral health-related quality of life among Saudi citizens

- **Submitted manuscripts to journals:**

- The computational approach of drug prediction against Anthrax from pyrrolidine and their derivatives: FMOs, PASS, ADMET, Molecular docking, and dynamic study.
- Identification of Novel Missense Variant Underlying Breast Cancer Susceptibility in Saudi Females.
- Dietary trend and obesity in Saudi Arabia.
- Physical Activity in Saudi Arabia: A Public Health Perspective
- Saliva biomarkers for ADHD diagnosis.
- Factors affecting salivary gland regeneration.
- Smoking status During Pregnancy and The Prevalence of Attention Deficit Hyperactivity in Offspring- A Cross-Sectional Study in Saudi Arabia.
- Insights into the role of miR-877 and Histidine Rich Glycoprotein in Preeclampsia.
- Physical activity in Saudi Arabia.

## Core Competencies

- Plan, conduct, process and analyse experiments.
- Reagents preparation.
- Experienced in dealing with saliva, cells, and tissue samples.
- Animal experimental procedures.
- Cell culture.
- Biochemical techniques.
- Histological techniques.
- DNA extraction and PCR.
- Critical data interpretation.

## Skills

### Computer skills

Microsoft Office and Graph Prism.

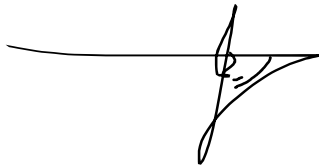
### Soft skills

Confident speaker at conferences, teaching, and supervising students, teamwork skills and leadership capabilities

## Languages

**Arabic** Native

**English** Advanced

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