

## **Curriculum Vitae**

### **Personal data**

Name: Atekah Hazzaa E. Alshammari

Date of birth: January 09, 1985

Place of birth: Riyadh, Saudi Arabia

Nationality: Saudi

Languages: speaking and writing Arabic and English

### **Contact information**

Office number: +966 (0) 118056756

Mobile number: +966 (0) 554334993

email address: ahalshammari@ksu.edu.sa

### **Academic Qualification**

- Bachelor of Science in the field of Biochemistry from King Saud University from September 2002 to July 2006.
- Master of Science in Molecular Biochemistry from King Saud University, Saudi Arabia in August 2013.
- Postgraduate certification in Teaching and Learning in Biology, Medicine, and Health Sciences from the University of Manchester from September 2018 to September 2020.
- Doctor of Philosophy in Biochemistry from the University of Manchester from September 2017 to November 2022.

## **Employment**

- 2007 – 2008 Cooperative Assistant in Biochemistry Department, King Saud University
- 2009 – 2010 Research Assistant at Breast Cancer Research Chair, King Fahd Medical City
- 2009 – 2018 Demonstrator in Biochemistry Department, King Saud University
- 2018 – 2023 Lecturer in Biochemistry Department, King Saud University
- 2023 – present Assistant Professor in Biochemistry Department, King Saud University

## **Conferences and workshops attended**

1. Joined a practical training program at Aragene "Genomic-Molecular Genetics-DNA Sequencing and Synthesis Core Facility" in King Faisal Specialized Hospital and Research Center from July 30 to September 07, 2005.
2. Attended a workshop "Chemicals in Our Labs and How to Safely Deal with It" held at King Saud University on April 06, 2010.
3. Attended and organized the Fourth International Conference on Biomarkers in Chronic Diseases during the period of May 04-06, 2010.
4. Attended a workshop "Sessions in health Biotechnology and Bioinformatics: Methods and Designs" held at Collage of Medicine, King Saud University on May 08, 2010.
5. Attended a lecture in "Nanotechnology and Its Applications" held at the Innovation Centre, King Saud University on October 26, 2010.
6. Attended the first International Symposium of Chemical Safety, held at King Saud University on April 17-18, 2011.
7. Attended a program in "The Scientific Approach for Writing Dissertations" held at King Saud University during the period of April 23-25, 2011.
8. Attended the first graduate students annual scientific meeting held at King Saud University during the period of April 23-24, 2013, and was awarded a bronze prize for the Master's project.
9. Attended a program in "Skills of Communicating with Bosses" held at King Saud University on January 12, 2014.

10. Attended a program in “Enhancing Bachelor Students Research” held at King Saud University on February 11, 2014.
11. Attended the Stem Cells in Science and Medicine Symposium held at the King Abdulaaziz City for Science and Technology during the period of April 23-24, 2014.
12. Attended a program in "Elaborating Tables and Registration Mechanisms" held at King Saud University during the period of November 02-03, 2014.
13. Participated in the sixth annual Saudi Technology Incubation Conference held at King Abdulaaziz City for Science and Technology during the period of January 20-21, 2015.
14. Attended a program in "Preparation of Teaching Philosophy" held at King Saud University on February 22, 2015.
15. Attended a workshop in "Molecular Oncology, State of the Art Technologies" held at King Faisal Specialist Hospital and Research Center on March 11, 2015.
16. Attended the Translation UK 2018 conference held at the University of Manchester during the period of July 05-06, 2018.
17. Participated in the second annual Division of Molecular and Cellular Function PGR Showcase held at the University of Manchester on November 30, 2018.
18. Attended the Translation UK 2019 conference held at the University of Glasgow during the period of July 03-05, 2019.
19. Attended a workshop in “Curriculum and course design” as part of the Founding Course for the new faculty members on October 16-17, 2023.
20. Attended a workshop in “Effective university teaching” as part of the Founding Course for the new faculty members on October 23-24, 2023.
21. Attended a workshop in “Use of modern technologies in teaching” as part of the Founding Course for the new faculty members on October 25, 2023.
22. Attended a workshop in “Learning outcomes assessment” as part of the Founding Course for the new faculty members on October 30-31, 2023.
23. Attended a workshop in “Microteaching and peer consultation” as part of the Founding Course for the new faculty members on November 2, 2023.

24. Attended the Sixth International Conference of the Arab Society for Forensic Sciences and Forensic Medicine during the period of December 5-7, 2023.
25. Attended a workshop in “Planning and implementation of self-study for programmatic accreditation” organized by the Deanship of Skills Development at King Saud University on December 7, 2023.

### **Membership in Biochemistry department at KSU Committees**

- Member of Department board committee (present)
- Member of the International cooperation unit in the collage (present)
- Coordinator and member of Development and quality committee (present)
- Coordinator and member of Graduate studies and scientific research committee (present)
- Academic advisor for undergraduate students (present)
- Member of the Follow Up Strategic Plan committee (present)
- Member of the Practical training committee (present)
- Member of BCH 101 course committee (present)
- Member of Teaching load committee
- Member of Safety and security committee
- Member of Curriculum and syllabus committee
- Representative of Biochemistry Department in the collage “Examination” committee
- Representative of Biochemistry Department in the college “Study Schedules” committee

### **Technical skills**

- Culturing of yeast, fungus, and bacterial strains
- DNA and RNA extraction and purification
- Restriction digest of plasmid DNA
- Induced protein expression in bacteria
- PCR and RT-PCR
- Cloning and site-directed mutagenesis

- Generation of knockout strains using disruption cassettes
- CRISPR/Cas9 gene editing
- Polysome profiling
- Protein expression and purification
- SDS-PAGE and agarose gel electrophoresis
- Western blotting/Immunoblotting
- Detection and analysis of proteins
- ELISA
- HPLC and AKTA purification
- Proteomic analysis
- Statistical and data analysis