

CURRICULUM VITAE

Personal information

- **Full name:** Yasir Alruwaili
- **Nationality:** Saudi
- **Place of birth:** Saudi Arabia
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Academic Qualifications

- Bachelor's degree (BSc) in Clinical Laboratory Sciences by College of Applied Medical Science, Jouf University, from 09 September 2006 to 06 Feb 2011.
- Complete successfully the Internship Training on 22 Feb 2012 for Medical Laboratory Specialty Program at King Khalid University Hospital (KKUH) and King Abdulaziz University Hospital (KAUH) at King Saud University (KSU) in Riyadh.
- Master of Science in Public Health and Tropical Medicine (MSPH), majoring in Tropical Medicine, Tulane University, from June 2015 to May 2017.

- Ph.D. in Public Health and Tropical Medicine, majoring in Tropical Medicine, From August 2017 to December 2021.

Position:

- From 2012 to 2017: Demonstrator (Teaching Assistant) at College of Applied Medical Sciences, Department of Clinical Laboratory Science, Jouf University, Sakaka, Saudi Arabia.
- 2017 to present: Lecturer at College of Applied Medical Sciences, Department of Clinical Laboratory Science, Jouf University, Sakaka, Saudi Arabia.

Special assignment:

- BSc thesis: Angiotensin-Converting Enzyme Polymorphism Identification of I/D types Among Saudi Diabetics.
- MSc thesis: Functional Characterization of the SERA4 (Serine Repeat Antigen 4) and SERA5 Double Gene Knockout in *Plasmodium yoelii*.
- Ph.D. dissertation: Evaluation of the combined antimicrobial therapy for eradication of *Borrelia burgdorferi*.

COMPUTER SKILLS:

- Windows applications.
- SAS, STATA, SPSS.
- GraphPad Prism.
- Canvas and Blackboard.
- Cloning manager program.
- SnapGene.

Lab skills:

- Tissues and tick contents analysis (Extraction of DNA and RNA, PCR, RT-PCR, qPCR).
- Droplet Digital PCR (ddPCR).
- Immunofluorescence Assay (IFA)
- Modified Kirby Bauer Assay (MKB).
- Cloning.
- Flow Cytometry.
- Mice handling, injection, treating, and bleeding.
- Mosquito rearing and dissection (midgut).
- Ticks rearing, handling, and processing.
- Gel Electrophoresis.
- Western Blot
- Microscope.
- Entomology lab experience:
 - Routine colony maintenance of *Aedes* mosquito species, *Aedes aegypti*, and *Ae. albopictus*.
- Data Analysis/ interpretation
- Demonstrating responsible conduct in human and animal research.

Languages:

- Arabic - Native speaker
- English – Full professional proficiency

Training Courses

- One year of Intensive English Program at MLC, Ann Arbor, Michigan, USA from 2014 to 2015.
- SARS-COV-2 Evolution, Mutation and Diagnosis Webinar, April 15, 2019.
- Big Data and Genomics – a practical workshop on sequence analysis in parasitology, October 28, 2019, New Orleans, LA, USA.
- Animal Alternatives Literature Search Workshop, April 29, 2019, TNPRC, LA, USA.
- QuantStudio 6 Flex Applications Training Real-Time PCR, January 8th, 2020, Tulane National Primate Research Center, Covington, LA.
- Meta-Analysis Workshop Series, September 17 & 24, 2020, Tulane University, New Orleans, LA. (Online).
- QX200 Droplet Digital PCR System Virtual Training, May 5, 2021.

Professional meetings

- ASTMH 67th Annual Meeting, October 28 - November 1, 2018, New Orleans, LA USA.
- ASTMH 69th Annual Meeting, November 15-19, 2020, Virtual Meeting, USA.
- 2020-2021 Tulane National Primate Research Center Seminar Series.
- 2020-2021 Department of Tropical Medicine Seminar Series.
- Future of Malaria Research Symposium, November 13, 2020, Johns Hopkins Malaria Research Institute, Virtual meeting, USA.

- Abstract Accepted and poster presented: "Combined Antimicrobial Therapy for Eradication of *Borrelia burgdorferi*" Tulane Health Sciences Research Days 2021, April 14-15, 2021, New Orleans, LA. (Online poster session).

Research Experience:

- Worked on a study to identify the cytocidal activity of the most effective dose of chloroquine on lethal strains of *Plasmodium berghei* and *Plasmodium yoelii*, Dr. Ahmed Aly's lab at Tulane University, Spring 2016.
- Worked on a study to isolate specific *Plasmodium yoelii* parasite clones to identify the loci that were mutated or changed the expression due to the development of drug resistance, Dr. Ahmed Aly's lab at Tulane University, Spring 2016 to Fall 2016.
- Lab rotation in Dr. Nirbhay Kumar's lab, Summer 2018, working on protein expression and DNA vaccine projects for malaria.
- Lab rotation in Dr. Wesson's lab, Fall 2018, working on rearing and maintaining colonies of *Aedes aegypti* and *Ae. albopictus*.
- Worked on Lyme disease eradication research in Dr. Embers' lab in the Primate Center from March 2019 until December 2021.