

# Dana Faraj Salahat

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## OBJECTIVE

As a medical lab scientist and lecturer, I'm seeking a challenging position in academic and research fields, where I can effectively apply my acquired knowledge, experience, and skills, and pursue extensive research in cutting-edge hypotheses to successfully model rare diseases and facilitate therapeutic deliveries.

## EDUCATION

2012-2013 **MSc.** Cancer Immunology and Biotechnology with Merit.  
University of Nottingham, UK.

2005-2009 **BSc.** Medical Laboratory Technology, Graduated with a GPA of 3.82 (High Honors); 2nd in my batch.  
University of Sharjah, UAE.

## CURRENT POSITION

### Lecturer

Medical Laboratory Sciences Department, College of Health Sciences, University of Sharjah, Sharjah, UAE.

## LICENSE

- Dubai Healthcare City (DHCC) license application has been approved as Letter of Acceptance as Allied Health Professional- Medical Laboratory Technology, Sep.2016
- Ministry of Health (MOH) License in UAE, evaluated as *Senior In-charge Tech*

## MEMBERSHIP IN SCIENTIFIC SOCIETY

- British Society for Immunology (BSI), UK

## PUBLICATIONS

- ElBakri A, Kanu GA, **Salahat D**, Hussein N, Ibrahim Z, Hasan H, AbuOdeh R. Comparison of various diagnostic techniques for the detection of spp. and its molecular characterisation in farm animals in the United Arab Emirates. *Journal of Veterinary Research*. 2023 Mar 28;67(1):93-8. DOI: <https://doi.org/10.2478/jvetres-2023-0017>
- Mohammad MG, Ashmawy NS, Al-Rawi AM, Abu-Qiyas A, Hamoda AM, Hamdy R, Dakalbab S, Arikat S, **Salahat D**, Madkour M, Soliman SS. SARS-CoV-2-free residual proteins mediated phenotypic and metabolic changes in peripheral blood monocyte-derived macrophages in support of viral pathogenesis. *PLoS One*. 2023 Jan 19;18(1):e0280592. <https://doi.org/10.1371/journal.pone.0280592>
- Al-Rawi N, Madkour M, Jahrami H, **Salahat D**, Alhasan F, BaHammam A, et al. (2020) Effect of diurnal intermittent fasting during Ramadan on ghrelin, leptin, melatonin, and cortisol levels among overweight and obese subjects: A prospective observational study. *PLoS ONE* 15(8): e0237922 <https://doi.org/10.1371/journal.pone.0237922>
- ElBakri, A., **Salahat, D.F.**, Hussein, N.H., Ibrahim, Z.A., AbuOdeh, R.O. (2021) *Giardia lamblia* in Various Animals in the United Arab Emirates. *Tropical Biomedicine* 38(1): 1-3 <https://doi.org/10.47665/tb.38.1.030>

## WORK EXPERIENCE

Sep. 2019- Present **Lecturer, Department of Medical Laboratory Sciences, University of Sharjah**

- **Teaching Experience**

Teaching, training, supervising, advising, and assessing students in different laboratory courses, including the following labs:

- Immunology and serology.
- General and medical microbiology.
- Histology and histopathological techniques.
- Phlebotomy.
- Biochemistry.
- Biology and human anatomy and physiology.

- **Supervising student projects:** guide and assist senior students during the project course.
- **Updating the curriculum of lab courses** and facilitating the improvements to processes and methodologies where appropriate.
  - Took the initiative in preparing the first lab manual for the Immunology & Serology Lab course with new and up-to-date lab experiments.

Oct.2016- Aug. 2019 **Lab Tutor, Department of Medical Laboratory Sciences, University of Sharjah**

- **Teaching, supervising, and administrative experience.**

- **Work Experience**

- Contribute to administrative tasks at the department, college and university levels as required by upper management.
- Providing specialist technical advice on specimen handling and processing to students and co-workers.
- Experiment setup and optimization.
- Involved in research with faculty members and supervising senior projects.
- Taking responsibility for the maintenance and safe use of equipment within the lab.
- Maintaining inventory and supplies.
- Maintaining the highest standards of safety and quality in the workplace.

❖ **University of Sharjah and College of Health Sciences (CHS) Committees:**

- **Member of the Youth Engagement Committee and Program Team for “The 4<sup>th</sup> Forum for Women in Research: Sustaining Women’s Empowerment in Research & Innovation” (University Level).** Academic year 2022-2023
- **CHS strategic Performance Plan Committee;** Member of the Industry & Community Committee
- **MLS Accreditation of Master and Bachelor programs - Faculty Member**
- **CHS Laboratories Management Committee Member.** 2022-2023
- **CHS Timetable & Examination Committee** 2021-Present
- **Supervisor and coordinator member of the MLS Scientific Society.** 2021- Present
- **Member of Students Affair & Advisory Committee,** MLS Department. 2021-2022
- **CHS Clinical Training Committee:** 2020-2021
- **Continuous Education & Professional Development Committee, CHS.** 2019-2020

Feb.2013- Aug.2013 **Postgraduate Research Student at The University of Nottingham- UK**

- The research project was on a tumour immunology-related subject (Dissertation title: Identification of Tumour Associated Autoantibodies in Lung Cancer).  
*This work was supported by the University of Nottingham and Oncimmune Ltd.*
- **Research Methods:**
  - Bacterial colony growth & HTP Expression Screen (HTPE).
  - Antigen lysis and purification.
  - Characterization and quantification: SDS-PAGE, silver stain.

- Immunological technique: semi-automated ELISA (HTPA).
- Statistical analysis and report writing.

Apr.2010- Aug.2012

**Qualified Technologist at Al-Qassimi Hospital, Sharjah**

- **In-charge of the Molecular Diagnostics Lab**

- Significant experience in nucleic acid extraction both manual and automated using QIAGEN (QIAamp Viral RNA and DNA Mini Kits).
- Extensive experience in conventional PCR and Real-Time PCR systems using Cobas TaqMan 480 and ABI 7500 (Applied Biosystems).
- Following strict methodology- CDC protocol- to carry out Cell Culture and Viral Isolation (as part of the National Influenza Centre- NIC).
- Took initiative in preparing the SOP of the lab.
- Involved in research: data/ specimen collection and analysis.
- Maintaining inventory and supplies.
- Supervise the periodic maintenance of lab instruments.
- Extensive experience with LIMS (Lab Information management system)
- Managerial tasks: Perform assigned duties and prepare correspondence.

- **Microbiology lab work experience**

- Highly skilled in microbiology techniques, terminology, equipment and supplies.
- Prepare, stain, view, and interpret slides microscopically.
- Using proper aseptic techniques to transfer and culture microbiology samples.
- Properly prepare, use, and maintain various microbiology culture media.
- Set up and interpret various manual biochemical identification tests and antibiotic susceptibility testing.
- Proficient in methods and practices of microbiological analysis (urine analysis, stool analysis, blood culture, ELISA, etc.)
- Proficient in setting up automated ID and AST machines (MicroScan).
- Proper reading, interpreting, and correlation of cultures.
- Other laboratory roles at Al-Qassimi Hospital:
  - Served as the main point of contact between staff members and the laboratory head.
  - Participated in training lab technologists and medical students.

**TECHNICAL EXPERIENCE**

- Excellent technical experience in the following lab techniques:
  - Manual and automated nucleic acid extraction and purification.
  - PCR and RT-PCR.
  - Gel electrophoresis.
  - Protein electrophoresis.
  - Competent cell preparation and transformation techniques.
  - Manual and automated ELISA.
  - Immunofluorescent assays using a fluorescence microscope.
  - Cell line culture.
  - Histopathological techniques.
  - Diagnostic laboratory techniques in microbiology, immunology, clinical chemistry, and hematology.
  - Flow cytometry.
  - Western blotting.
  - Handle mice experiments in a different scope of research.

## WORKSHOPS, TRAINING, SELF-LEARNING and Conferences

- Basic Life Support **Instructor Course certificate (AHA)**, 10<sup>th</sup>.Dec.2010.
  - **Certificate of Appreciation from the University of Sharjah** for valuable contribution to the College of Health Sciences student training at Al Qassimi Hospital for the academic year 2010/2011.
  - Completed the (**Basic Training Program in Clinical Research**) at Al Qassimi Hospital, June 24-26, 2012, and awarded 8.5 credits.
  - Completed a course in (**Certified Professional in Healthcare Quality Review Course**) 30<sup>th</sup>, 6<sup>th</sup>, 13<sup>th</sup> November 2015. **Awarded 12 CPD** credit points.
  - **UAE Cancer Congress 2017**, 5-7 October 2017. **Award 6.75 CPD** credit points by Dubai Health Authority.
  - **Seminar: "CRISPR"** presenter: Dr. Palat K. Menon, Department of Medical Laboratories Sciences, Seminar Series, College of Health Sciences, University of Sharjah, Tuesday 10<sup>th</sup> Oct 2017.
  - **Organizer: "ASCP Certification Preparation: The MLS Course"**, University of Sharjah, Medical & Health Sciences Colleges campus, Sharjah, UAE. February 2-3, 2018.
  - **"7th International Genetic Disorders Conference and UAE International Genetic Disorders Prevention Awards 2018"**. November 9 – 10, 2018, Dubai.
  - **Touching Clinical Lab Results Pain Points Workshop**, University of Sharjah, clinical and surgical Institute, UAE, Award 4.5 CPD points, (Reference No. UOSCTC20190307- 4.5), 7th March 2019
  - Research Café Talk on (**Research & Innovation: Breaking the barrier, thinking outside the Box**) conducted by the office of vice chancellor for research & graduate studies, Dec 10<sup>th</sup>, 2019.
  - Participated in (**Women in Research Workshop on Google G Suite**) in collaboration with Google, Dec 8<sup>th</sup>, 2019.
  - **WHO (Record of Achievement): COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform** to support country preparedness and response, Apr 9<sup>th</sup>, 2020.
  - **Webinar: "Putting SARS-CoV-2 where it belongs: Identification of potential therapeutic targets with single-cell analysis"**. 10X genomics, November 11, 2020
  - **Virtual Conference: Connecting immunology in the time of COVID-19.** British Society of Immunology (BSI), 1-2 Dec 2020
  - **Webinar: Tumour Immunology Group and NCRI 's webinar 'What do cancer T cells see?'**, conducted by The British Society of Immunology (BSI), Jan 28, 2021.
  - **Webinar: Challenges and solutions of nucleic acid isolation from clinical samples.** Feb 10, 2021.
  - **Virtual workshop: Enhancing student engagement during Remote and Hybrid Learning.** 18 Nov 2021
  - **Online Session: 10x Genomics Educational Sessions – FFPE.** Visium Spatial gene expression for Formalin-fixed, paraffin-embedded (FFPE) tissue. 9 Dec 2021
  - **Online Sessions: 10x Genomics Educational Sessions** from Sample to Data (Single Cell CellPlex, and Visium Spatial Gene Expression applications). 9 & 14 Dec 2021
  - **Online Session: Immunology and Research Applications Single Cell Multiomics in Autoimmunity.** 26 Jan 2022
  - **Virtual training session: QIAcuity Digital PCR System & its applications in research.** Conducted by the RIMHS Seminars Series. 27 Apr 2022
  - **Online Intensive Course from Coursera Organization: Extracellular Vesicles in Health and Disease.** Offered by The University of California. Grade Achieved 95.17%. Credential ID: XL48WZLDMCV9. Issue Date: Aug 2022.
  - **In-Person Workshop & Training: Active participation in the High-End Life Science Microscopy workshop** organized in UAE on 29<sup>th</sup> September 2022. Development Area: Advanced Olympus Microscopy System (IXplore Spin, Ocus, VS200, Apex100).
  - **Workshop: Rethinking Examinations in Higher Education- UOS.** 5th Oct 2022
  - **Zoom Meeting: 22nd HPEPF - Evaluation of the integration of social accountability values into medical education using a problem-based learning curriculum.** 2nd Nov 2022
  - **Workshop: AlfoL (Artificial Intelligence for Life) UoS-Skoltech Joint Research Collaboration.** May 22nd, 23rd & 25th, 2023
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**SKILLS**

- Communication skills: Excellent communication and interpersonal skills.
- IT: Microsoft Office Package, Google G Suite, Blackboard system, and GraphPad Prism 9.
- Collecting, compiling, and interpreting research data.
- Statistical data analysis.
- Languages: Excellent command of Arabic and English (written and spoken).

**CAPACITIES/ STRENGTHS**

- Displayed skills in performing under pressure, working on challenging assignments, and consistently achieving organizational goals.
- Innovative, initiative, sociable, extremely organized, and multitasker with a high sense of responsibility.
- Energetic, self-motivated, team player with excellent ability to learn new things.

**REFERENCES**

References are available upon request.