

Curriculum Vitae (CV)

Personal Information

- Name: *Ali Mahmoud Sharif Abdelfattah*
- Place & Date of Birth: Amman- Jordan / March 13, 1984
- Nationality: Jordanian
- Marital status: Married
- Phone: +962 790282635
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Education

- Doctor of Philosophy (*PhD*) at Cardiff University – United Kingdom in December 2020, titled: Haematology; Modelling GATA2 Haploinsufficiency Driven Immunodeficiency and Myelodysplastic Syndromes / Acute Myeloid Leukaemia.
- Master Degree in Medical Laboratory Sciences (*MLS*) at Hashemite University in July 2015, *excellence rating*.
- Bachelor Degree in Medical Laboratory Sciences (*MLS*) at Hashemite University in June 2006, *very good rating*.

Work Experience

- Senior of Immunology Department, with specialty in flow cytometry. Jordan University Hospital [June 2011- June 2017].
- Lab Technician, Immunology Department, Jordan University Hospital [June 2007- June 2011].
- Lab Technician, Different Routine Department, AL-Khalidi Medical Centre Labs [June 2006-June 2007].

Personal

highly developed interpersonal, presentation and communication skills, problem solving, working under pressure, able to work individually or as a team member, ability to manage time between tasks, self-confidence and analytical.

Skills

- **Animal Husbandry (Murine)**
 - Breeding of wild-type and genetically modified animals
 - Ear notching
 - Tail vein bleeding
 - Intraperitoneal injection
 - Intravenous injection

- **Flow Cytometrist**
 - Immunophenotypic of leukaemia and lymphoma
 - Immunodeficiency diseases
 - Evaluation of lymphocyte subset
 - Standardised flow cytometry assay for numerating hematopoietic stem cells
 - Plasma cell Phenotype
 - Platelet Function phenotypic
 - Paroxysmal nocturnal haemoglobinuria phenotypic
 - Neutrophils adhesion Phenotype
 - Immunophenotypic of murine haematopoietic stem and progenitor cells
 - Cells sorting
 - Apoptosis analysis
 - Cell cycle analysis

- ***Ex vivo* cell culture**

- **Lentiviral generation, transfection, and transduction**

- **Immuno-Histocompatibility**
 - Serology methods for HLA typing
 - Molecular methods for HLA typing

- **PCR Skills**
 - DNA/RNA extraction
 - Standard PCR
 - Real-time PCR
 - Analysing of RNA-Sequencing data

- **Immunofluorescence**
 - Direct methods
 - Indirect methods

- **Microsoft Office applications and many different IT applications**

- **Assist in the maintenance of quality control and quality assurance records for the laboratory.**

➤ **Routine test**

- ELISA
- Latex agglutination
- Haemagglutination
- Immunodiffusion
- Immunochromatography
- gel electrophoresis

➤ **Instrumentation**

- LSR Fortessa™, (Becton Dickinson, Biosciences)
- FACSAria™ cell sorter, (Becton Dickinson, Biosciences)
- FACS-Calibar, (Becton Dickinson, Biosciences)
- Magnetic Activated Cell Sorting (MACS), (Miltenyi Biotec)
- QuantStudioR^{MT} 7-Flex Real-Time-PCR-System (Applied-Biosystems)
- ChemiDoc™MP imaging system (Bio-Rad)
- Cobas Integra, (Roche)
- Cobas C5, (Roche)
- Architect, (Abbott)
- Cell dyne, (Abbott)
- Pro-Spec, (Siemens)

➤ **Software**

- FlowJo
- GraphPad-Prism
- IPA
- GSEA
- Morpheus

Supervision Experience

- Design/perform experiments and analyse/interpret the data
- Design and Implement the work policies and procedures.
- Monitor and supervise the quality and accuracy of the results.
- Instruments calibration.
- Instruments maintenance.
- Prepare the monthly and periodically work statistics.
- Check the availability of all required tests.
- Check the availability of required kits and equipment.
- Preparing and processing of trends and purchasing orders.

Publication

Almotiri, A., Alzahrani, H. A. A., Menendez-Gonzalez, J. B., Abdelfattah, A., Alotaibi, B., Saleh, L., Greene, A., Georgiou, M. R., Gibbs, A. & Rodrigues, N. P. 2020. Zeb1 modulates hematopoietic stem cell fates required for suppressing acute myeloid leukemia. *The Journal of Clinical Investigation*, 131(1):e129115.

Menendez-Gonzalez, J. B., Vukovic, M., Abdelfattah, A., Saleh, L., Almotiri, A., Thomas, L.-A., Agirre-Lizaso, A., Azevedo, A., Menezes, A. C. & Rodrigues, N. P. 2019. Gata2 as a crucial regulator of stem cells in adult hematopoiesis and acute myeloid leukemia. *Stem Cell Reports*, 13, 291-306.

Hijjawi, N. S., Al-Khreisat, M. J., Abuyaman, O. M., Abdelfattah, A. M., Rababah, E. M., Al-Tamimi, M. A., Al-Hiari, M. A. & Zueter, A. M. 2018. Seroprevalence of *Toxoplasma gondii* in Cancer Patients Admitted to Hospitals of the Royal Medical Services in Jordan. *Jordan Journal of Biological Sciences*, 11, number 5.

Al-Radaideh, A. M., Hijjawi, N. S., Abdelfattah, A. M., Al-Khreisat M. J. & Bani-Hani, K. E. 2017. A 10-year retrospective study on hydatid disease in Jordan with emphasis on the role of imaging in its diagnosis. *International Journal of Medical Research & Health Sciences*, 6, 32-41.

Languages

- Arabic: Very good
- English: Very good

References

Available upon request