

Curriculum Vitae

Mr. Dian Jamel SALIH (Lecturer)

Date of Birth: January 1, 1987

Gender: Male

Marital status: Single

Nationality: Iraqi, Kurdish.

Work Place: Lecturer at Department of Anatomy, Biology and Histology,
College of Medicine, University of Duhok, Duhok, Iraq.

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Education

Ph.D. student in Translational Medicine and Management of Health System: June 2021-June 2024

- Department of clinical and experimental Medicine, University of Foggia, Italy.
- Supervisor: Prof. Dr Teresa Antonia Santantonio (Full Professor of Infectious Diseases, Department of Clinical and Experimental Medicine, University of Foggia)
- Thesis title: The role of exosomes in activation of JAK-STAT5 pathway in Lung cancer progression.

M.Sc. in Medical Genetics (Honor): November 2013-August 2015.

- Department of Pathology, college of medicine, university of Duhok, Duhok, Iraq.
- Supervisor: Dr. Adil Eissa (Professor in Molecular Hematology) Duhok research center, department of Pathology.
- Thesis title: “Clinical and Cytogenetic profile in patients with Down syndrome in Duhok province”

B.Sc. in Biology (Honor): November 2006- July 2010.

- Department of Biology, college of sciences, university of Duhok, Duhok, Iraq.
- Thesis title: “role of pseudomonas aeruginosa in Otitis”

Professional Experience

- **Lecturer (2012-Present):**
 - Biology laboratory, department of Anatomy, Biology and Histology, college of Medicine, university of Duhok, Duhok, Iraq.
 - Teaching first medical students for both modules of (Molecule, Gene and diseases) and (Tissue of the body).
 - Also teaching first students of college of pharmacy and college of dentistry for practical biology laboratory.

- **Visiting Lecturer/ One day per week: (2016-Present):**
 - Medical laboratory technology department, technical college of health – Shekhan, Duhok polytechnic university, Duhok, Iraq.
 - Teaching third technical students for medical genetics lectures.

- **Reporter (2018-2019):**
 - Department of Pharmacy, Ararat technical private institute, Duhok, Iraq.
 - Responsible for managing and supervising student activities.
 - Teaching first technical students of Human physiology lectures.

- **Education officer (2017-2018):**
 - People in Need organization, Duhok, Iraq. With regular visits to Al-Hamdaniya, Tel-Kaif and Mosul district.
 - Responsible for managing and supervising education activities implemented by school personnel and community members in the project locations.

- **Acting manager (2015-2016):**
 - Directorate of Health and Safety, university of Duhok, Duhok, Iraq.
 - Manage and supervise of any project related to health and safety in university of Duhok such as scientific laboratory, environment of building, cafeteria and Interior sections for Students.

- **Laboratorist (2011-2013):**
 - Sheelan Private Hospital, Duhok, Iraq.
 - Performing chemical, hematological, immunologic, histopathological, microscopic, and bacteriological diagnostic analyses on body fluids such as blood, urine, sputum, stool, as well as other specimens.

- **Managing Editor (December 2006- June 2012):**
 - Piro Magazine for Tourism and Health, Duhok, Iraq.
 - Writing and publishing articles on Medical, Scientific and general health aspect.

Research Summary

Present Research Work

Lastly, I am working on my PhD project regarding to the role of exosomes in activation of JAK-STAT-5 pathway in Lung cancer cell. I am trying to Isolate and characterize exosomes from Highly metastatic lung cancer cell lines and then treat normal lung cell lines and non-metastatic lung cancer cell lines with theses exosomes to evaluate their potential role in phenotypic changes and transfer of genetic material and oncoproteins to the receipt cells. In addition, I am also collecting blood samples from lung cancer patients with different stages to isolate exosomes and find a potential biomarker to predict lung cancer in early stages.

Previous Research Work

Most of My previous work was about tissue culture and chromosomal abnormalities. I also worked on several researches that are related to chromosomal aberrations in women with recurrent abortion and cytotoxic effects of Gestogens hormones on pregnant women who take thus hormone as treatment. I also worked on genotoxic effects of androgen hormones on body builder. I participated with my colleagues in other universities in Duhok in several works regarding the genotoxic effects of Benzene in petrol station workers in Duhok and Genotoxic effects of Cigarette and Waterpipe smoking on buccal mucosa cells of young adults in Duhok.

M.Sc. work

The focal aim of my M.Sc. work was based on clinical and cytogenetic profile in patients with Down syndrome in Duhok, Iraq. For this study, I examined the chromosomal abnormalities, biochemical test, hematological test and clinical diagnosis in patient with Down syndrome. I used different biochemical and chromosomal techniques including peripheral blood lymphocyte culture, cell harvesting and karyotyping as well as FISH technique. Moreover, I studied the thyroid dysfunction test by measuring TSH, T3 and T4 hormones and related them to age of patients with Down syndrome.

Technical Proficiency

- **Cell and tissue culture:** Isolation and culture peripheral blood lymphocyte and different cancer cell lines.
- **Western Blotting**
- **Flow Cytometry**
- **Karyotyping:** karyotyping of chromosomal abnormalities.
- **Nano particle tracking Analysis.**
- **Molecular analysis:** Isolation and estimation of genomic DNA/RNA, cDNA synthesis, RT-PCR amplification, carried out agarose and polyacrylamide gel electrophoresis.
- ***In vitro* toxicity studies:** Comet assay.
- **Immunocytochemistry:**
- **Microbial techniques:** Isolation and identification of antibiotic sensitive bacteria.
- **Bioinformatics and computer skills:** Knowledge of computational and statistical analysis of biological systems by using software's. SPSS-22.

Publications

1. **Dian J. Salih**, Zulema Antonia Percario, Ahmed M. Salih, Flavia Giannessi, Mehveş Kokşa, Mariantonietta Di Stefano, Elisabetta Affabris, Teresa Santantonio (2022). Activation of JAK-STAT5 pathway in A549 lung cancer cell line by Interferons. 4th International Medical conference of college of medicine, university of Sulaimani, Iraq 12-13 may, 2022. Abstract presentation.

2. **Salih, D.**, Salih, S., Abdo, R., Rasool, C. and Alasady, A. (2022). Micronucleus assay of buccal mucosa cells in cigarette and waterpipe smokers in Duhok, Iraq. *Annals of Medical Research*, 29(5), pp. 454–457.
3. Najeeb, H., Karim, K., Othman, G., Mohammed, A., Salih, A., Zuhdi, S. and **Salih, D.**, (2022). DNA damage level in lymphocytes and buccal epithelial cells in Narghile smokers and non-smokers in Duhok city-KRG-Iraq. *Oral Oncology Reports* 1-2 (2022) 100002.
4. Mohammad, N., Saleem, S., Balata, R. and Salih, D. (2022). Antibacterial activities of plant extract *Cinnamomum zeylanicum* bark against multidrug-resistant bacteria. *Iraqi Journal of Pharmacy*, 18(2), pp. 10-21. doi: 10.33899/iph.2022.170393.
5. **Salih S**, Abdo R, Salih D, Alasady A. (2022). Evaluation of cytogenetic damage induced by antihypertensive drug Amlodipine: in vitro. *Iraqi Journal of Pharmacy*, 18(2), pp. 1-9. doi: 10.33899/iph.2022.170390
6. Abdo, R. M., Salih, . S. K. M., **Salih. D. J.** & Alasady, . A. A. (2022) Cytogenetic evaluation of antidepressant drug, Sertraline, in vitro. *Int J Med Rev Case Rep*, 6 (3), 34-39. doi:10.5455/IJMRCR.Cytogeneticevaluationofantidepressantdrug
7. Rana Mumtaz Yakoob MATLOB, Mayada Ilias YALDA, **Dian J. SALIH**, Dina Qais FARAJ. (2020). Thyroid dysfunction in Down syndrome Patients; Clinical and Chromosomal Correlation. *Online Turkish Journal of Health Sciences*; 5(1): 1-7.
8. Rojan I. Said, Heja M. Ahmed, **Dian J. Salih** (2019). Isolation and identification of pathogens in patients with Pelvic inflammatory disease in Duhok, Iraq. *Journal of Immunology and Clinical Microbiology*; 5(1): 16-25.
9. Rojan I. Said, Heja M. Ahmed, **Dian J. Salih** (2019). Compatibility of prescribed antibiotics to patients with Pelvic inflammatory diseases with microbial sensitivity test in Duhok, Iraq. *3rd International health sciences conference (IHSC 2019)*. Diyarbakir, Turkey.
10. **Dian J. Salih**, Rawa Muhammed Abdo, Sayran Kamal M. Salih. (2019). Genotoxic effect of Cigarette and Waterpipe Smoking on Buccal mucosa cells of young adult in Duhok, Kurdistan region of Iraq. *3rd International Conference on Biological & Health Sciences (Cic-Biohs '19), Joint with Hawler Medical University*, May 2019.
11. **Dian J. Salih**, Marwan Khalil Qader, Mosher Rashid Ahmed. (2019). Genotoxic Effects of Benzene in Petrol Station Workers in Duhok- Kurdistan Region of Iraq. *Haya Saudi J Life Sci*; 4(4): 143-147.
12. Hayat S. Ahmed, **Dian J. Salih**, Iman Yousif Abdulmalek, Asaad A. Alasady. (2019). Cytogenetic Effects of Gestogens on Women with Threatened Miscarriage in Duhok

Province, Kurdistan Region, Iraq. *Medical Journal of Babylon*; **16**(1): **41**.

- 13.** Dian J. Salih, Hayat S. Ahmed, Iman Y. Abdulmalek, Asaad A.B. Alasady (2018). Cytogenetic study in women with recurrent spontaneous miscarriage in Duhok province-Iraq. *International health sciences conference (IHSC 2018)*, Nov. 2018.
- 14. Dian J. Salih**, Nizar Bakir, Adil Abo Azeez Eissa, Nasir A. Al-Allawi. (2017). Clinical and Cytogenetic Profile in Patients with Down syndrome in Duhok Province-Iraq. *Medical Journal of Babylon*; 14(2): 389-401.

Conference abstracts/presentation

I published approx. 5 abstracts in both international and local conferences.

Member of organizing committee

- 1. Active Member in Kurdistan biology syndicate.** From 2008 till present.
- 2. Member in Kurdistan Journal syndicate.** From 2010 till present.
- 3. Member in Kurdistan Teacher syndicate.** From 2012 till present
- 4. 1st International Conference on Medical Education.** 6-7 October 2018. Department of Medical Education, college of Medicine, university of Duhok, Duhok, Iraq.
- 5. 1st Endocrinology and Cardiovascular update conference.** 12-13 January 2017, Duhok conference center, college of Medicine, university of Duhok, Duhok, Iraq.
- 6. 2nd Endocrinology lipids and vascular conference.** 17-18 January 2019. Duhok conference center, college of Medicine, university of Duhok, Duhok, Iraq.

Computer and IT Skills

1. Microsoft Office,
2. SPSS Internet,
3. Photoshop,
4. Format and install Windows.

Training

- Polymerase chain reaction course: College of veterinary, university of Duhok, 2019
- First aid course: Central laboratory center, Azadi teaching hospital, Duhok, 2018
- Training in Psychosocial Support, Teaching methodology, Child Protection, Sexual exploitation and abuse, Monitoring and evaluating projects. People in need organization, Duhok, 2017-2018.
- FISH techniques course: Central laboratory center, Azadi teaching hospital, Duhok, 2015.

Hobbies

Reading, writing, Hunting, fishing and Movies

Writing and Translation

In addition to my academic work, I'm also writing articles and writing and translation medical and literature books,

- I wrote published more than 100 of articles and reviews in Kurdish and Arabic language about medical, health and education and in different newspapers, magazines and journals in Kurdistan region, 2008-present.
- I also wrote two medical books in Kurdish about (Sexual education, 2016), (Health education 2020).
- I Translated and published Six Medical textbooks from English to Kurdish language, which are (Microbiology, Molecular and Cell Biology, Endocrinology, Medical Parasitology, Genetics, Human Anatomy and Physiology). 2010-2016.
- Translated and published eight child educational and Scientific Books from both English and Arabic to Kurdish language. 2012, 2014.
- Translation of several famous novels, especially (Sophie's World by Jostien Gaarder, 2017), (Thousand splendid suns. By: Khalid Alhussiene, 2018) and (Sapiens. A brief history of Humankind: Yuval Harari 2020).

References

<p>Prof. Dr. Adil Abozaid Eissa (M.Sc. Supervisor) Professor in Molecular Hematology Head of Pathology department College of Medicine University of Duhok adilduhok3@gmail.com</p>	<p>Prof. Dr. Teresa Antonia Santantonio (PhD. Supervisor) Full Professor of Infectious Diseases, Department of Clinical and Experimental Medicine. UOC Director of Infectious Diseases, AOU Ospedali Riuniti of Foggia University of Foggia Viale L. Pinto 1, 71122 Foggia Tel. +39 0881 732216 – Fax +39 0881 732215 Mail: teresa.santantonio@unifg.it</p>
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Declaration: I hereby declare that the particulars furnished herein by me are true to the best of my knowledge and belief.

Salih, Dian

Foggia, Italy