

# Dr. Trefa Salih Mohamad

## Work Address:

Biology Department  
Science College  
Salahaddin University  
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## Education:

**Ph.D degree** in Molecular Biology, Microbiology and Biochemistry. Southern Illinois University at Carbondale (SIUC) in USA, May, 2017.

Thesis: Early Growth Response 1 (EGR1) as a tumor suppressor and apoptosis inducer in Rhabdomyosarcoma.

**Master degree** in Molecular Biology. Salahaddin University-Erbil in Iraq, 2009. Ranked 1<sup>st</sup> student during the course work study.

Thesis: A Comparative Diagnostic study of Hepatitis C Virus by ELISA, PCR and Some Biochemical Parameters in Blood donors and Thalassemic Patients in Erbil Province.

**Bachelor degree** in Microbiology. Salahaddin University-Erbil in Iraq. Ranked 2<sup>nd</sup> student among the biology graduates of year 2002.

## **Employment History:**

- Lecturer, Biology Department, Science College Jul. 2017 to present.
  - Teaching Cytogenetics theory for the fourth year biology students 2021-2022
  - Supervising Cytogenetics practical laboratory for 4<sup>th</sup> year biology students.
  
  - Teaching Cell Biology for the third year chemistry students 2021-2022
  
  - Supervising Cell biology practical laboratory for 3<sup>rd</sup> year chemistry students.
  - Teaching Zoology theory for the first year biology students.
  - Supervising Zoology practical laboratory for first year biology students.
  - Teaching Medical Entomology theory for the 3<sup>rd</sup> year biology students.
  - Teaching Microbiology theory for the 2<sup>nd</sup> year biology students.
  - Teaching Practical Sewage and Soil Microbiology for 3<sup>rd</sup> year biology students.
  - Supervising Medical Entomology practical laboratory for 3<sup>rd</sup> year biology students.
  
- Assistant Lecturer, Biology Department, Science College Jul. 2009-Jul. 2017.
  - Teaching Medical Entomology, Practical Molecular Biology.
  
- Assistant Biology, Biology Department, Science College Mar. 2003-Jun. 2006.
  - Practical Molecular Biology, Practical Cell Biology, Practical Sewage and Soil Microbiology, and Practical Virology.

## **Publications:**

Karwan M-Amen, Omiad S Abdullah, Ahmed M.S. Amin, Zeki Ali Mohamed, Bestoon Hasan, Mudhir Shekha, Hastyar H Najmuldeen, Fryad Majeed Rahman, Zjwan Housein, Ahmed M. Salih, Amin Salih Mohammed, Luqman Rahman Sulaiman<sup>11</sup>, Basak Tahir Barzingi<sup>5</sup>, Dler Mahmood<sup>4</sup>, Hemin Esmael Othman, Dara K. Mohammad, Fahmi M. Salih, Suad AS Khudhur Ali, **Trefa S. Mohamad**, Kazhan Mahmood<sup>17</sup>, Galawezh O. Othman<sup>18</sup>, Mukhlis H. Aali, Govand Qader, Bashdar M. Hussien, Farhang A. Awla, Shahab Wahhab Kareem, Fikry A. Qadir, Dilan M. Taher, Abbas Salihi. Cancer Incidence in the Kurdistan Region of Iraq: Results of a Seven-Year Cancer Registration in Erbil and Duhok Governorates. *Asian Pac J Cancer Prev*, **23 (2)**, 601-615

Teak-Jung Oh, Abhinav Adhikari, **Trefa Mohamad**, Aiysha Althobaiti and Judith Davie. TBX3 represses TBX2 under the control of the PRC2 complex in skeletal muscle and rhabdomyosarcoma. *Oncogenesis* ( 2019) 8:27.<https://doi.org/10.1038/s41389-019-0137-z>

**Mohamad T.**, Noor Kazim, Adhikari A., and Judith K. Davie. EGR1 interacts with TBX2 and functions as a tumor suppressor in rhabdomyosarcoma. *Oncotarget*, 2018, Vol. 9, (No. 26), pp: 18084-18098.

**Mohamad T.**, Davie J.K., 2017. Early Growth Response 1 (EGR1) as a tumor suppressor and apoptosis inducer in Rhabdomyosarcoma.

### **Conferences:**

Towards Scientific Identification of Mass Graves and Genocide in Kurdistan Region'. 4th International Conference Medical Sciences of Hawler Medical University. Erbil-Iraq. 7th-8th November 2018.

Experimental Biology 2018 Annual Meeting scheduled April 21 - 25, in San Diego, California, United States.

27th Annual Trainee Research Symposium/ SIUC. Early Growth Response 1 (EGR1) as a tumor suppressor and apoptotic inducer in Rhabdomyosarcoma. Southern Illinois University at Carbondale (SIUC) in USA. Apr. 2017.

Graduate and Professional Students Creative Activities Research Forum (GPSCARF). Early Growth Response 1 (EGR1) as a tumor suppressor candidate in Rhabdomyosarcoma. Southern Illinois University at Carbondale (SIUC) in USA. Apr. 2017.

26th Annual Trainee Research Symposium/ SIUC. Effects of Interferon on cell proliferation in Rhabdomyosarcoma. Southern Illinois University at Carbondale (SIUC) in USA. Apr 2016.

### **Training Courses and Workshops Certificates:**

Workshop on (aSc Time Table), College Science, Salahaddin University, Erbil, Iraq. Oct. 17<sup>th</sup> 2018- to present.

Effect of *Helicobacter pylori* on Public Health, Knowledge University-  
Erbil, Iraq, Jun 25<sup>th</sup>. 2018.

Fungi and Pulmonary Infection, Knowledge University-Erbil, Iraq, Jun 26<sup>th</sup>. 2018.

Biosafety and Biosecurity Awareness Training Course for Biological Researchers. Managed by Biorisk Management Institute of Kurdistan (BBIK Dedeman Hotels. Erbil, Kurdistan Region-Iraq. November 23-26, 2017.

How to create New Google Academic Website and the New Instruction About CAD. College Science, Salahaddin University, Erbil, Iraq April 18, 2017.

CyVerse Tools and Services Workshop March 31st-April 1st at Southern Illinois University in Carbondale, IL. Apr. 2016.

Graduate Student Workshops at Morris Library at SIUC. Feb 2015.

Chemical and biological Safety Training. Southern Illinois University in Carbondale, IL, USA. Every Fall Semester from Fall 2011 till Fall 2016.

Teaching Training Course/ Directorate of Continuous Teaching/ University of Salahaddin -Erbil/Iraq. Mar 2010.

Computer Skills. College of Science/ University of Salahaddin /Erbil/Iraq. Dec 2009.

Computer Skills. Directorate of Continuous Teaching/ University of Salahaddin -Erbil/Iraq. Jan 2005.

Research Center Borstel, Germany Coordinated of the EU-Funded ConFlu Tech Project. Jan 2009.

Technical workshop “Diagnostic Tools for Avian Influenza “I participated as an Instructor. Research Center Borstel, Germany

Coordinated of the EU-Funded ConFlu Tech Project. At Directorate of Central Veterinary Labs and Kurdistan Medical Research Center/Erbil/Iraq. Jan 2009.

### **Honors and Awards:**

Acknowledgement letters from Dean of Science College, Salahaddin University-Erbil/Iraq.

Awarded a prize for Master Degree (Rank First). Ministry of Higher education and Scientific Researches / Salahaddin University/Erbil/Iraq. Sep 2009

Awarded a Prize for Bachelor Degree (Rank Second). Ministry of Higher education and Scientific Researches / Salahaddin University/Erbil/Iraq. Jul 2002

### **Membership in Scientific and Educational Societies:**

Member of the Safety and Health Committee of Salahaddin University. Apr 2018 – to present.

Member of the Reconstruction of Halls and Laboratory Committee of Biology Department, Science College, Salahaddin University. Mar. 2018- to present.

Member of American Society for Biochemistry and Molecular Biology ASBMB from 2017 – to present.

Mentoring and laboratory training of undergraduate students in Biochemistry and Molecular Biology Department, SIUC, USA. 2013-2017.

Kurdistan Biology Syndicate, Member, 2004 to Present.

Member of Examination committee of Collage of Science from 2017 – to present.

Member of Fourth Year Student Graduation Project Seminars, Biology Department, Science College, Salahaddin University-Erbil, Iraq. Mar 2018.

Rapporteur of Biology Department. Science College, Salahaddin University-Erbil. Iraq. Jan 2018- to present.

### **Computer Skills:**

- Ms Windows (Word, Excel, and power Point Presentation)
- GraphPad Prism
- Image program

### **Languages:**

Kurdish (Native),

Arabic (Professional),

and English (Very Good).