

# Farhad KOHANSAL KOSHSARAY

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## **PERSONAL DETAILS**

Birth: Tabriz / 1988

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## **EDUCATION**

Doctorate of Science in Immunology 2019-2025  
Istanbul University, Istanbul, Turkey  
GPA: 2.68/4

Master of Science in Medical Microbiology 2013- 2015  
Çukurova University, Adana, Turkey  
GPA: 3.95/4

Bachelor's Degree in Veterinary Science 2007-2011  
Azad University, Tabriz, Iran  
GPA: 2,96

## **CERTIFICATES, COURSES AND TRAININGS:**

Experimental animals use certificate	Apr'14 2021
Recombinant Protein Expression and Purification Microbial System, Certificate ID: 5411944	Feb'24 2022
CRISPR-Cas9 Master Class Design, Strategy & Analysis, certificate ID: 5390176	Feb'23 2022
Applied Bioinformatics, certificate ID: 204	MAY'11 2022

## **RESEARCH INTEREST**

Effects of micro-organisms on the immune system  
Immunodeficiency  
Neuroimmunology  
In vitro and in vivo experiments

## **TEACHING EXPERIENCE**

Teaching Assistant for the practical part of the "Flow Cytometry course XXVI"	Jun'17- Jun'21 2022
Teaching Assistant for the practical part of the "Flow Cytometry course XXVII"	Jun'12-Jun'16 2023
IU Aziz Sancar Experimental Medicine Research Institute, Istanbul, Turkey	
Teaching immunology courses for medical trainees in the summer	Jun'04-Aug'25 2021
Teaching immunology courses for medical trainees in the summer	Jun'02-Aug'22 2022
Teaching immunology courses for medical trainees in the summer	Jun'06-Aug'28 2023
Present by Assoc. Prof. Umut can Küçüksezer	
Istanbul University, Istanbul, turkey	

## **PROJECTS EXPERIENCE**

- Determination of distribution and antibiotic susceptibility of Nontuberculous Mycobacteria (NTM) species in clinical samples from the Cukurova region, Turkey
- Phenotypic and genotypic investigation of Multidrug Resistance (MDR) and Extensively Drug Resistance (XDR) in Mycobacterium Tuberculosis strains isolated from clinical samples in Cukurova region, Turkey
- Investigation of suPER as an indicator of activation and endothelial damage in sarcoidosis patients
- Effects of Immunosenescence in healthy people
- The investigation of Natural Killer (NK) Cell Inflammatory Responses in Alzheimer's (AD) disease
- Study of TIM-3 AND GALECTIN-9 levels in T cells and serum in TYPE 1 DIABETES

## **WORK EXPERIENCE**

- **Medical Diagnosis Laboratory of Kowsar/ İRAN** **2011-2012**  
(as military service)
- **Tropical Diseases Research and Application Center/TÜRKİYE** **2013-2015**  
(Microscopic and molecular diagnosis of mycobacterium and antibiotic sensitivity test)
- **Medical Microbiology Laboratory at Trakya University/TÜRKİYE** **2016-2018**  
(Internship and work in three laboratories: Parasitology, Bacteriology and Mycology.)
- **Aziz Sancar Experimental Medicine Research Institute of Istanbul University/TÜRKİYE** **2020-2024**  
(I worked both in the immunology laboratory and as a project specialist.)

## **SKILLS**

<b>Languages</b>	Azerbaijan (Native language) Persian (Language of education up to bachelor's degree) Turkish (Language of education up to MSc and PhD) English (upper intermediate)
<b>Software</b>	Microsoft Office, EndNote, Graphpad, FACSDiva™, NovoExpress, FlowJo, Grammarly VS
<b>Equipment knowledge</b>	Microbial Staining Techniques and work with Light Microscopy Western Blotting and Protein Electrophoresis High-Performance liquid Chromatography (HPLC) BACTEC MGIT 960 system, Polymerase Chain Reaction (PCR), Real-Time Polymerase Chain Reaction (Real-time PCR), Enzyme-Linked Immunosorbent Assay (ELISA), DNA Sequencing and Fragment Analysis (ABI PRISM ® 310 Genetic Analyzer), Flow Cytometer's (BD FACSCalibur™ System), (NovoCyte™system).

## **PUBLISHED JOURNAL ARTICLES:**

- Koshksaray, F.K., Özbalak, M.M., Balkan, İ.İ., & Erten Yurdagül, G. (2020). Nutritional Immunomodulators. Experimed, 10(2), 97-111. <https://doi.org/10.26650/experimed.2020.0030>
- My Doctoral thesis has been submitted for publication and also, two reviews were submitted as the first name.

### **Congress and Symposium Activities:**

- Nurgul Naurzvai , Nurgul Naurzvai, Ayshan Mammadova, Aysenur Kokoglu, Fahad Kohansal Koshksaray, Cagri Ulukan, Nurdan Kokturk, Nilgun Yilmaz Demirci, Caglar Cuhadaroglu, Haluk Saban Turkas, Gunnur Deniz, Esin Cetin Aktas. **Neutrophile Functions İn Patients With A Rare Disease: Pulmonary Alveolar Proteinosis.**
- Sahand Ghadimi, Farhad Kohansal Koshksaray, Nilsu İzgi, Sema Bilgiç Gazioğlu. **The impact of immune senescence on immune system cells**
- Kohansal, Farhad & Nagiyev, Togrul & Yazar, Emel & Kayar, Begum. (2015). **DETERMINATION OF DISTRIBUTION AND ANTIBIOTIC SUSCEPTIBILITY OF NONTUBERCULOUS MYCOBACTERIA (NTM) SPECIES IN CLINICAL SAMPLES FROM THE CUKUROVA REGION, TURKIYE.**
- Nagiyev, Togrul & Yazar, Emel & Kohansal, Farhad & Kayar, Begum & Koksall, Fatih. (2015). **PHENOTYPIC AND GENOTYPIC INVESTIGATION OF MULTIDRUG RESISTANCE (MDR) AND EXTENSIVELY DRUG RESISTANCE (XDR) IN MYCOBACTERIUM TUBERCULOSIS STRAINS ISOLATED FROM CLINICAL SAMPLES IN CUKUROVA REGION, TURKIYE.**
- Kayar, Begum & Marzi, Mehdi & Yazar, Emel & Nagiyev, Togrul & Kohansal, Farhad & Koksall, Fatih. (2015). **ADANA BÖLGE TÜBERKÜLOZ LABORATUVARINA 2011-2015 YILLARI ARASINDA PULMONER TÜBERKÜLOZ ŞÜPHESİ İLE GÖNDERİLEN KLİNİK ÖRNEKLERİN DEĞERLENDİRİLMESİ.**
- Nagiyev, Togrul & Kohansal, Farhad & Yazar, Emel & Kayar, Begum & Marzi, Mehdi & Koksall, Fatih. (2015). **ÇUKUROVA BÖLGESİNDE İZOLE EDİLEN TÜBERKÜLOZ DIŞI MİKOBAKTERİLERİN TÜR DAĞILIMI VE ANTİTÜBERKÜLOZ İLAÇLARA DİRENÇ PROFİLLERİNİN ARAŞTIRILMASI.**
- Kayar, Begum & Nagiyev, Togrul & Marzi, Mehdi & Kohansal, Farhad & Koksall, Fatih. (2015). **ÇOKLU İLAÇ DİRENÇLİ MYCOBACTERIUM TUBERCULOSIS İZOLATLARININ FİLOGENETİK İLİŞKİLENDİRİLMESİNDE KULLANILAN IS6110, MIRU-VNTR, SPOLIGOTYPING YÖNTEMLERİNİN KARŞILAŞTIRILMASI.**
- Nagiyev, Togrul & Yazar, Emel & Kohansal, Farhad & Kayar, Begum & Marzi, Mehdi & Koksall, Fatih. (2015). **ÇUKUROVA BÖLGESİNDE İZOLE EDİLEN ÇOKLU İLAÇ DİRENÇLİ MYCOBACTERIUM TUBERCULOSIS SUŞLARININ MİNOR ANTİTÜBERKÜLOZ İLAÇ DİRENÇ PROFİLLERİNİN ARAŞTIRILMASI VE HIZLI DİRENÇ TESPİTİNDE MULTİPLEX REAL-TİME PCR YÖNTEMİNİN DEĞERLENDİRİLMESİ.**

### **PRESENTATION RELATED TO THE RESEARCH SUBJECT:**

**8th Iranian congress of Clinical Microbiology on sep30-oct02, 2014 in Tabriz;**

- Phenotypic and genotypic investigation of Multidrug Resistance (MDR) as well as Extensively Drug Resistance (XDR) in Mycobacterium tuberculosis complex (MTBC) strains isolated from clinical samples in Cukurova region, Turkey  
Kohansal Koshksaray Farhad<sup>1</sup>, Yazar Emel<sup>1</sup>, Nagiyev Togrul<sup>1, 3</sup>, Koksall Fatih<sup>1,2</sup>

### **NOTABLE COURSES**

#### **PhD Courses**

Scientific research techniques and the publishing ethics  
Laboratory methods  
Basic immunological techniques  
Introduction to immune system disorders  
Introducing to molecular medicine  
General Immunology  
Molecular and Cellular Immunology  
Immune System Disease  
The Immunopharmacology  
Immunological mechanisms in disease  
Seminar  
Thesis research studies (NK Cell-Mediated Inflammatory Responses in Alzheimer's Disease)

### **M.Sc Courses**

Basic Immunology  
Diagnostic Microbiology  
Medical Virology  
General Microbiology  
Practical Microbiology

### **Participation in Congress and Symposium**

5<sup>th</sup> International.Molecular.Immunology & Immunogenetics Congress  
6<sup>th</sup> european congress of immunology  
12th international congress on immunodeficiency disease (ICID)  
ESM 36<sup>th</sup> annual congress Riga latvia on jun 28-jul 01, 2015  
XXVI. National Immunology Congress  
7<sup>th</sup> National Micobacteri Sempozyumu mersin