



Sevgi KOSTEL BAL

Date of Birth: 25.06.1985

Place of birth: Ankara, Turkey

Address: Vedat Dalokay Caddesi No:94/18 Ankara Turkey

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Work Experience

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- 05/2024- Today **Gülhane Training and Research Hospital Pediatric Allergy and Immunology**
Compulsory service mandated by Ministry of Health
Specialist of Pediatric and Allergist and Immunologist
- 08/2018- 12/2023 **St Anna Childrens Cancer research Institute (CCRI), Vienna, Austria**
Kaan Boztug Lab
Postdoctoral Fellow
- 09/2017- 12/2017 **Ludwig Boltzmann Institute for Rare and Undiagnosed Diseases (LBI-RUD)**
Guest Scientist
- 03/2015- 06/2018 **Ankara University School of Medicine Department of Pediatric Immunology**
Ankara, Turkey
Subspecialty training in Pediatric Allergy, Immunology and Stem Cell Transplantation
- 09/2008- 06/2014 **Hacettepe University Faculty of Medicine Department of Childrens Health and Diseases, Ankara, Turkey**
Specialty training in pediatrics
Chief Resident in the Department of Pediatrics
Dissertation: „Long term kidney functions in patients having Wilms tumor”
(Supervisor: Prof. Bilgehan Yalcin)

International Research Experience

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- 09/2007- 12/2007 **Otto von Guericke Universität Medizinische Fakultät, Magdeburg, Deutschland**
Erasmus scholarship, clinical practice year
Rotations: Cardiology, Gastroenterology and Ophthalmology
- 06/2006-08/2006 **University of Toronto Medical School, Toronto, Canada**
Summer Research Program Supervisor: Yeni Hasan Yucel, MD, PhD

Education

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- 03/2015- 06/2018 **Ankara University School of Medicine Department of Pediatric Immunology**
Ankara, Turkey
Subspecialty training in Pediatric Allergy, Immunology and Stem Cell Transplantation
- 09/2008- 06/2014 **Hacettepe University Faculty of Medicine Department of Childrens Health and Diseases, Ankara, Turkey**
Specialty training in pediatrics
Chief Resident in the Department of Pediatrics
Dissertation: „Long term kidney functions in patients having Wilms tumor”
(Supervisor: Prof. Bilgehan Yalcin)
- 09/2004- 06/2010 **Hacettepe University Faculty of Medicine, Ankara, Turkey**

PhD in Medical Biology

Dissertation: "The effects of oxidative stress pathways on pathogenesis of spinal muscular atrophy" (Supervisor: Prof. Hayat Erdem Yurter)

09/2002- 06/2008

Hacettepe University Faculty of Medicine, Ankara, Turkey

Human Medicine (GPA: 3.88/4.00)

Supervision experience

10/2012- 10/2013

Hacettepe University Faculty of Medicine Department of Childrens Health and Diseases, Ankara, Turkey

Chief resident in the department of Pediatrics: responsible for admission and discharge of the patients also organized the residency training program.

First Author Publications

Kostel Bal S, Giuliani S, Block J, Repiscak P, Hafemeister C, Shahin T, Kasap N, Ransmayr B, Miao Y, van de Wetering C, Frohne A, Jimenez-Heredia R, Schuster MK, Zoghi S, Hertlein V, Thian M, Bykov A, Babayeva R, Bilgic Eltan S, Karakoc-Aydiner E, Shaw LE, Chowdhury I, Varjosalo M, Argüello RJ, Farlik M, Ozen A, Serfling EAE, Dupré L, Bock C, Halbritter F, Hannich JT, Castanon I, Kraakman MJ, Baris S, Boztug K. Biallelic NFATC1 mutations cause an inborn error of immunity with impaired CD8+ T-cell function and perturbed glycolysis. *Blood*. 2023 May 30: blood.2022018303. doi: 10.1182/blood.2022018303. Online ahead of print. PMID: 37249233

Ghosh S*, **Köstel Bal S***, Edwards E*, et al. Extended clinical and immunological phenotype and transplant outcome in CD27 and CD70 deficiency. *Blood*, 2020, 136 (23), pp.2638-2655. <https://doi.org/10.1182/blood.2020006738> *shared contribution

Köstel Bal S, Pazmandi J, Boztug K, Özen S. Rheumatological manifestations in inborn errors of immunity. *Pediatric Research* (2020) 87:293–299; <https://doi.org/10.1038/s41390-019-0600-8>

Spencer S*, **Kostel Bal S***, et al. Loss of the interleukin 6 causes immunodeficiency, atopy, and abnormal inflammatory responses. *J. Exp. Med.* June 2019, jem.20190344 DOI: 10.1084/jem20190344 *shared contribution

Kostel Bal S, Haskologlu S, Serwas NK, Islamoglu C, Aytekin C, Kendirli T, et al. Multiple Presentations of LRBA Deficiency: a Single-Center Experience. *J Clin. Imm.* 2017;37(8):790-800.

Köstel Bal AS, Kaymak S, Haskoloğlu Ş, Kuloğlu Z, Ensari A, Doğu F, Kansu A, İkinciöğulları A. Clinical Approach to a Child with Hypoalbuminemia and Lymphopenia. *J Clin. Imm.* 2016; 36(4): 370-3

Kostel Bal AS, Yalcin B, Susam Sen H, Aydin B, Varan A, Kutluk T, Akyüz C. Renal Late Effects After the Treatment of Unilateral Nonsyndromic Wilms Tumor. *Journal of Pediatric Hematology Oncology*, 2016; 38(4):147-150

Köstel AS, Bora-Tatar G, Erdem-Yurter H. Spinal muscular atrophy: An oxidative stress response counteracted with curcumin. *Bio and Aging Path.* 2 (2012) 61–66.

Meeting Talks

2021

Conference of **Turkish Clinical Immunology Society**

„AutoCORE: The role of systems biology in autoimmune disorders”

- 2020 **ESID Online 2020 (European Society for Immunodeficiencies)**
“Extended clinical and immunological phenotype and transplant outcome in CD27 and CD70 deficiency”
- 2019 **Arbeitsgemeinschaft Pädiatrische Immunologie(API) - Fraueninsel am Chimsee**
“Loss of IL6R causes immunodeficiency, atopy and abnormal inflammatory responses”

Language Skills

Turkish: native language
English: IB diploma program- high level English graduate
German: C1
Spanish: A2

Memberships

European Society for Immunodeficiencies (ESID)
Turkish Clinical Immunology Society