

## Personal Information

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## Education Information

Post Doctorate, Harvard University, Medical School, Neurobiology/Cardiology, United States Of America 2009 - 2014

Doctorate, The University of Chicago, Biological Sciences Division, Biochemistry and Molecular Biology , United States Of America 2003 - 2009

## Foreign Languages

English, C1 Advanced

## Academic Titles / Tasks

Assistant Professor, Bezmialem Vakıf University, Faculty Of Medicine, Department Of Basic Medical Sciences, 2014 - Continues

## Advising Theses

Uysal S., Sentetik yollarla Immünoterapik moleküller oluşturulması, Doctorate, E.KARAMAN(Student), Continues

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **The Preserved HTH-Docking Cleft of HIV-1 Integrase Is Functionally Critical.**  
Galilee M., Britan-Rosich E., Griner S., Uysal S., Baumgärtel V., Lamb D., Kossiakoff A., Kotler M., Stroud R., Marx A., et al.  
Structure (London, England : 1993), vol.24, pp.1936-1946, 2016 (Journal Indexed in SCI)
- **Structure of active  $\beta$ -arrestin-1 bound to a G-protein-coupled receptor phosphopeptide.**  
Shukla A., Manglik A., Kruse A., Xiao K., Reis R., Tseng W., Staus D., Hilger D., Uysal S., Huang L., et al.  
Nature, vol.497, pp.137-41, 2013 (Journal Indexed in SCI)
- **Generating conformation-specific synthetic antibodies to trap proteins in selected functional states.**  
Paduch M., Koide A., Uysal S., Rizk S., Koide S., Kossiakoff A.  
Methods (San Diego, Calif.), vol.60, pp.3-14, 2013 (Journal Indexed in SCI)
- **Transient receptor potential cation channel, subfamily C, member 5 (TRPC5) is a cold-transducer in the peripheral nervous system.**  
Zimmermann K., Lennerz J., Hein A., Link A., Kaczmarek J., Delling M., Uysal S., Pfeifer J., Riccio A., Clapham D.  
Proceedings of the National Academy of Sciences of the United States of America, vol.108, pp.18114-9, 2011 (Journal Indexed in SCI)
- **Mechanism of activation gating in the full-length KcsA K<sup>+</sup> channel.**  
Uysal S., Cuello L., Cortes D., Koide S., Kossiakoff A., Perozo E.  
Proceedings of the National Academy of Sciences of the United States of America, vol.108, pp.11896-9, 2011 (Journal Indexed in SCI)
- **Characterization of engineered actin binding proteins that control filament assembly and structure.**  
Brawley C., Uysal S., Kossiakoff A., Rock R.  
PloS one, vol.5, 2010 (Journal Indexed in SCI)

- **An engineered substance P variant for receptor-mediated delivery of synthetic antibodies into tumor cells.**  
Rizk S., Luchniak A., Uysal S., Brawley C., Rock R., Kossiakoff A.  
Proceedings of the National Academy of Sciences of the United States of America, vol.106, pp.11011-5, 2009  
(Journal Indexed in SCI)
- **Crystal structure of full-length KcsA in its closed conformation.**  
Uysal S., Vásquez V., Tereshko V., Esaki K., Fellouse F., Sidhu S., Koide S., Perozo E., Kossiakoff A.  
Proceedings of the National Academy of Sciences of the United States of America, vol.106, pp.6644-9, 2009  
(Journal Indexed in SCI)
- **Toward chaperone-assisted crystallography: protein engineering enhancement of crystal packing and X-ray phasing capabilities of a camelid single-domain antibody (VHH) scaffold.**  
Tereshko V., Uysal S., Koide A., Margalef K., Koide S., Kossiakoff A.  
Protein science : a publication of the Protein Society, vol.17, pp.1175-87, 2008 (Journal Indexed in SCI)
- **Exploring the capacity of minimalist protein interfaces: interface energetics and affinity maturation to picomolar KD of a single-domain antibody with a flat paratope.**  
Koide A., Tereshko V., Uysal S., Margalef K., Kossiakoff A., Koide S.  
Journal of molecular biology, vol.373, pp.941-53, 2007 (Journal Indexed in SCI)

## Supported Projects

Uysal S., TUBITAK Project, Biyoteknolojik ve paratransgenetik yöntemle Bacillus mikroorganizmalarının vektör tabanlı hastalıklara karşı geliştirilmesi, 2019 - 2022

Uysal S., TUBITAK Project, GIDA ENDÜSTRİSİNE YÖNELİK İTHAL ENZİMLERİN ÜRETİMİ İÇİN REKOMBİNANT MİKROORGANİZMALARIN GELİŞTİRİLMESİ, PİLOT VE ENDÜSTRİYEL ÖLÇEKTE ÜRETİM SÜREÇLERİNİN OPTİMİZASYONU, 2019 - 2021

Uysal S., KOSGEB, Modifiye mikroorganizma ile endüstriyel enzim üretimi, 2019 - 2020

## Citations

Total Citations (WOS):694

h-index (WOS):8