

## Asst. Prof. SEZEN KIŞLAL

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-6462-2020

ScopusID: 57160224500

Yoksis Researcher ID: 331944

### Education Information

Post Doctorate, Harvard University, School of Medicine, Obstetrics, Gynecology, and Reproductive Biology Department, United States Of America 2018 - 2020

Post Doctorate, Stanford University, School of Medicine, Neurosurgery Department, United States Of America 2015 - 2018

Doctorate, Pennsylvania State University, Biobehavioral Health, United States Of America 2010 - 2015

### Certificates, Courses and Trainings

Other, LEAD2 Young Academic Leadership Development Blended Training Program, The Erasmus+ programme, 2022

Other, Certificate of Appreciation / In recognition of the superb work and dedication in volunteering for MGHfC COVID-19 research activities, Harvard University / Mass General for Children, 2020

### Research Areas

Neurobiology, Biopsychology, Neuroanatomy, Neurophysiology, Neurochemistry

### Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Psychology, 2020 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- Hofbauer cells and fetal brain microglia share transcriptional profiles and responses to maternal diet-induced obesity**  
Batorsky R., Ceasrine A. M., Shook L. L., KIŞLAL S., Bordt E. A., Devlin B. A., Perlis R. H., Slonim D. K., Bilbo S. D., Edlow A. G.  
Cell Reports, vol.43, no.6, 2024 (SCI-Expanded)

- II. **Propranolol attenuates the establishment of conditioned context aversions: differential effects compared to MK-801 in an animal model of anticipatory nausea and vomiting.**  
İlhan Ç. F., Ülke E., Urcelay G. P., Kışlal S.  
Behavioural pharmacology, 2024 (SCI-Expanded)
- III. **Genetic and environmental influences on one-trial conditioned context aversion in mice.**  
İlhan Ç. F., Urcelay G. P., Kışlal S.  
Genes, brain, and behavior, vol.22, 2023 (SCI-Expanded)
- IV. **Memory Impairing Effect of Propranolol on Consolidation and Reconsolidation for Various Learning Tasks**  
İlhan Ç. F., KIŞLAL S.  
Noropsikiyatri Arsivi, vol.60, no.3, pp.271-282, 2023 (SCI-Expanded)
- V. **Placental Hofbauer Cells As a Proxy Cell Type for Fetal Brain Microglia**  
De Guzman R., Batorsky R., Kislal S., Brigida S., Bilbo S., Slonim D. K., Edlow A. G.  
AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY, vol.224, no.2, 2021 (SCI-Expanded)
- VI. **Perinatal exposure to maternal obesity: Lasting cardiometabolic impact on offspring**  
Kislal S., Shook L. L., Edlow A. G.  
PRENATAL DIAGNOSIS, vol.40, no.9, pp.1109-1125, 2020 (SCI-Expanded)
- VII. **Fetal brain and placental programming in maternal obesity: A review of human and animal model studies**  
Shook L. L., Kislal S., Edlow A. G.  
PRENATAL DIAGNOSIS, vol.40, no.9, pp.1126-1137, 2020 (SCI-Expanded)
- VIII. **Intracerebral Delivery of Brain-Derived Neurotrophic Factor Using HyStem (R)-C Hydrogel Implants Improves Functional Recovery and Reduces Neuroinflammation in a Rat Model of Ischemic Stroke**  
Ravina K., Briggs D. I., Kislal S., Warraich Z., Nguyen T., Lam R. K., Zarembinski T. I., Shamloo M.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.19, no.12, 2018 (SCI-Expanded)
- IX. **Acquisition and retention of conditioned aversions to context and taste in laboratory mice**  
Kislal S., Blizard D. A.  
LEARNING & BEHAVIOR, vol.46, no.2, pp.198-212, 2018 (SCI-Expanded)
- X. **Conditioned context aversion learning in the laboratory mouse**  
Kislal S., Blizard D. A.  
LEARNING & BEHAVIOR, vol.44, no.4, pp.309-319, 2016 (SCI-Expanded)
- XI. **B6-MSM Consomic Mouse Strains Reveal Multiple Loci for Genetic Variation in Sucrose Octaacetate Aversion**  
Ishii A., Koide T., Takahashi A., Shiroishi T., Hettinger T. P., Frank M. E., Savoy L. D., Formaker B. K., Yertutanol S., Lionikas A., et al.  
BEHAVIOR GENETICS, vol.41, no.5, pp.716-723, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Travma Sonrası Stres Bozukluğunun Önlenmesine Yönelik Korku Belleği Üzerine Yapılan Müdahaleler**  
İlhan Ç. F., KIŞLAL S.  
AYNA Klinik Psikoloji Dergisi, vol.10, no.3, pp.396-412, 2023 (Peer-Reviewed Journal)
- II. **Soy içi C57BL/6J Farelerde Beklentisel Bulantı ve Kusma Modeli**  
İlhan Ç. F., KIŞLAL S.  
TÜRK PSIKOLOJİ YAZILARI, vol.26, no.51, pp.1-13, 2023 (Peer-Reviewed Journal)
- III. **Omega-3 Yağ Asitlerinin Obeziteye Bağlı Nörobiyolojik ve Davranışsal Değişiklikler Üzerindeki Rolü**  
Ülke E., KIŞLAL S.  
NESNE PSIKOLOJİ DERGISİ, vol.11, no.28, pp.287-309, 2023 (Peer-Reviewed Journal)
- IV. **Mismatch between obesogenic intrauterine environment and low-fat postnatal diet may confer**

### **offspring metabolic advantage**

Kislal S., Jin W., Maesner C., Edlow A. G.

OBESITY SCIENCE & PRACTICE, vol.7, no.4, pp.450-461, 2021 (ESCI)

## **Books & Book Chapters**

- I. **Deney Hayvanlarıyla Yapılan Çalışmalarda Araştırma Süreci: Temalar ve İşleyiş**  
KIŞLAL S.  
in: Sosyal Bilimlerde Aktüel Araştırmalar: Etkiler-Sonuçlar (4), Yusuf Aslan, Editor, Kalan Yayınları, pp.101-105, 2023
- II. **Sinirbilim Alanında Yaygın Olarak Kullanılan Teknikler ve Davranış Testleri**  
KIŞLAL S.  
in: Sosyal Bilimlerde Aktüel Araştırmalar: Etkiler-Sonuçlar (5), Yusuf Arslan, Editor, Kalan Yayınları, pp.71-77, 2023

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Maternal Obesity is Associated with Sedentary Behavior, Increased Sleep Duration, and Heightened Obesity Risk in Female Offspring.**  
Kislal S., Jin W., Maesner C., Edlow A. G.  
67th Annual Scientific Meeting of the Society-for-Reproductive-Investigation (SRI), Vancouver, Canada, 10 - 14 March 2020, vol.27
- II. **Mismatch between obesogenic intrauterine environment and low-fat postnatal diet may confer an offspring metabolic advantage**  
Kislal S., Jin W., Maesner C., Edlow A. G.  
40th Annual Pregnancy Meeting of the Society-for-Maternal-Fetal-Medicine (SMFM), Texas, United States Of America, 3 - 08 February 2020, vol.222
- III. **Maternal obesity-associated reduction in offspring mesolimbic dopamine signaling correlates with sex-specific overeating and obesity risk**  
Kislal S., Jin W., Maesner C., Edlow A. G.  
40th Annual Pregnancy Meeting of the Society-for-Maternal-Fetal-Medicine (SMFM), Texas, United States Of America, 3 - 08 February 2020, vol.222

## **Supported Projects**

KIŞLAL S., Project Supported by Higher Education Institutions, Maternal obeziteye maruz kalmış yüksek yağlı diyet ile beslenen yavru farelerde omega takviyesinin dopaminerjik sisteme ve davranışa etkilerinin araştırılması, 2022 - Continues

Kışlal S., TÜBİTAK Project, Impairing Effect of Behavioral and Pharmacological Interventions on Fear Memory After CS or US Reminder, 2023 - 2026

## **Metrics**

Publication: 20

Citation (WoS): 124

Citation (Scopus): 130

H-Index (WoS): 5

H-Index (Scopus): 5

## **Non Academic Experience**

Harvard Üniversitesi Tıp Fakültesi

Stanford Üniversitesi Tıp Fakültesi