

Dr. Ayla Arslan

1. Ünvanı : Doktor Öğretim Üyesi

2. Öğrenim Durumu : Doktora

3. Çalıştığı Kurum :

Dr. Öğretim Üyesi (Eylül 2022 – halen)
Moleküler Biyoloji ve Genetik Bölümü (İngilizce) Üsküdar Üniversitesi, İstanbul

Doçent Dr. (2016- halen (Ücretsiz izinli))
Genetics and Bioengineering Program, International University of Sarajevo, Saraybosna, Bosna-Hersek

Professor (non-ranked) (2020-2022), School of Advanced Studies, University of Tyumen, Rusya

Yrd. Doçent Dr. (2014-2016), Genetics and Bioengineering Program (Genetik ve Biyomühendislik Programı), International University of Sarajevo, Saraybosna, Bosna-Hersek

4. Eğitim

Derece	Alan	Üniversite
Doktora	Moleküler Biyoloji ve Genetik <ul style="list-style-type: none">• Genetik Mühendisliği• Moleküler Biyoloji• Nörobiyoloji	Ruprecht-Karls-Universitaet Heidelberg, Almanya
Y. Lisans	Biyoteknoloji <ul style="list-style-type: none">• Enzim Mühendisliği• Biyokimya	ODTÜ, Türkiye
Lisans	Biyoloji Eğitim	ODTÜ, Türkiye

5. Akademik Unvanlar

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

Furkan Enes Oflaz, MS Thesis, “Cloning and expression of GABA (A) receptor subunits as fluorescent fusion proteins”, Genetics and Bioengineering Program, International University of Sarajevo, (2017-2019).

Maryam Golzardi, MS Thesis, “Preliminary Genetic Characterization of the A. cepa from the Herzegovina Region”, Genetics and Bioengineering Program, International University of Sarajevo, (2015- 2017).

7. Yayınlar

Google scholar:

<https://scholar.google.com/citations?user=EcZHC0IAAAAJ&hl=en>

NCBI Pubmed Bibliography:

<https://www.ncbi.nlm.nih.gov/myncbi/1XmZXVZj4mz54v/bibliography/public/>

*: Sorumlu yazar/Corresponding author

7.1. Uluslararası hakemli dergilerde yayınlanmış yayınlar (SCI, SCI expanded, Scopus)

Genetik mühendisliği metodları ile ilgili yayınlar

Ayla Arslan*, Pinar U. Aydın, Taner Dogan, Orkun Aydın (2022) Optogenetic Animal Models of Depression: From Mice to Men. In: Kim YK., Amidfar M. (eds) Translational Research Methods for Major Depressive Disorder. Neuromethods, vol 179. Humana, New York, NY. (Scopus) (Kitap bölümü)

https://experiments.springernature.com/articles/10.1007/978-1-0716-2083-0_8

Lejla-Nur Smajović, Furkan Enes Oflaz, Ayla Arslan* (2021) A Study of the CaCl₂ Induced E. Coli DH5-Alpha Transformation by Heat Shock Accompanied by Vibration. In: Badnjevic A., Gurbeta Pokvić L. (eds) CMBEBIH 2021. CMBEBIH 2021. IFMBE Proceedings, vol 84. Springer, Cham. (Scopus) (Yönetilen Lisans öğrencisi bitirme projesi sonuçlarının konferans sözlü sunum makalesi) https://link.springer.com/chapter/10.1007/978-3-030-73909-6_65

Furkan Enes Oflaz, Çağdaş Devrim Son, Ayla Arslan* (2019) Oligomerization and cell surface expression of recombinant GABA (A) receptors tagged in the delta subunit, Journal of Integrative Neuroscience 2019, 18 (4): 341-350 (SCI Expanded) (Yönetilen yüksek lisans tezi sonuçlarının yayınlanmış makalesi) <https://pubmed.ncbi.nlm.nih.gov/31912692/>

Ayla Arslan*, Jakob von Engelhardt, William Wisden (2014) Cytoplasmic domain of delta subunit is important for the extra-synaptic targeting of GABA (A) receptor subtypes, Journal of Integrative Neuroscience, 13(4): 1–15. (SCI Expanded) <https://pubmed.ncbi.nlm.nih.gov/25233879/>

Genetik Alanındaki Yayınlar (Nöropsikiyatrik Hastalıklar ve Modern Yaklaşımlar)

Pinar Unal-Aydin, Orkun Aydın & Ayla Arslan* (2021). Genetic Architecture of Depression: Where Do We Stand Now? Advances in experimental medicine and biology, 1305, 203–230. (Kitap bölümü) (SCI Expanded) <https://pubmed.ncbi.nlm.nih.gov/33834402/>

Ayla Arslan (2018) Imaging genetics of schizophrenia in the post-GWAS era. Drug Neuropsychopharmacol Biol Psychiatry. 2018 Jan 3;80(Pt B):155-165. doi:10.1016/j.pnpbp.2017.06.018. Epub 2017 Jun 20. PubMed PMID: 28645536.-invited author-(SCI Expanded) <https://pubmed.ncbi.nlm.nih.gov/28645536/>

Ayla Arslan (2018) Mapping the schizophrenia genes by neuroimaging: The promises and the challenges, International Journal of Molecular Sciences. Jan 11;19(1). pii: E219 10.3390/ijms19010219 (SCI Expanded) <https://pubmed.ncbi.nlm.nih.gov/29324666/>

Ayla Arslan (2015) Genes, Brains and Behavior: Imaging Genetics for Neuropsychiatric Disorders, Journal of Neuropsychiatry and Clinical Neurosciences 2015 Spring; 27(2):81-92. (SCI Expanded) <https://pubmed.ncbi.nlm.nih.gov/25751509/>

Sinirbilim ya da Diğer (Biyoteknoloji) Alanlardaki Yayınlar

Dilan Akagunduz, Rumeysa Cebecioglu, Fatih Ozen, Murat Ozdemir, Hakan Bermek, Nevzat Tarhan, Ayla Arslan, Tunc Catal (2022) Effects of Psychoactive Pharmaceuticals Found in Wastewaters on Electricity Generation in Microbial Fuel Cells, CLEAN- Soil, Air, Water. 15 January. (SCI Expanded) <https://doi.org/10.1002/clen.202100027>

Ayla Arslan (2021) Extrasynaptic delta subunit containing GABA (A) receptors, Journal of Integrative Neuroscience Volume 20 Issue 1 pp. 173-184 (SCI Expanded) <https://pubmed.ncbi.nlm.nih.gov/33834705/>

Orkun Aydin, Pinar Unal Aydin, Ayla Arslan* (2019) Development of neuroimaging-based biomarkers in psychiatry In: Kim YK (eds) Frontiers in Psychiatry. Advances in Experimental Medicine and Biology, 1192:159-195 Springer, Singapore. (SCI Expanded) <https://pubmed.ncbi.nlm.nih.gov/31705495/>

Thomas Götz, Ayla Arslan, William Wisden, Peer Wulff (2007) GABA (A) receptors: structure and function in the basal ganglia, Progress in Brain Research, 160:21-41. (SCI Expanded) <https://pubmed.ncbi.nlm.nih.gov/17499107/>

8.2. Yazılan uluslararası kitaplar veya kitaplarda bölümler (yukarıdaki konular dışında)

Ayla Arslan (2018) Application of neuroimaging in the diagnosis of depression, -invited author- In: Kim YK (eds). "Understanding Depression- Volume 2. Clinical Manifestations, Diagnosis and Treatment, p69-81 Springer Nature, Singapore. https://link.springer.com/chapter/10.1007/978-981-10-6577-4_5

8.3. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

Ayla Arslan*, Jakob von Engelhardt, William Wisden (2008) Molecular determinants of the clustering of synaptic and extrasynaptic GABA (A) receptors, 7th National Congress of Neuroscience; 16th–20th April 2008; Cukurova University; Adana, Turkey. Neuroanatomy 7, Suppl 1: 2. Supplement 1 (Abstract) Published online July 14th. <https://www.neuroanatomy.org/2008/index.html>

8.4. Diğer Yayınlar

8.4.1. Açık ders

Ayla Arslan (2015) Açık Ders: "Toolbox for Genetic Engineering" NS 101 Chemistry of life. International University of Sarajevo, 23 Nisan, 2015, Sarajevo, Bosnia and Herzegovina <https://www.youtube.com/watch?v=x1CNhieM-SY>

Ayla Arslan (2021) Açık Ders Serisi: Selected topics in Biopsychology, School of Advanced Studies, Tyumen State University, 22 Şubat-17 Nisan, 2021 Tyumen, Rusya.
Ders 1 video link: <https://www.youtube.com/watch?v=HDdyn8CF5tE>
Ders 2-8 video link: <https://sas.utmn.ru/en/open-course-selected-topics-in-biopsychology-en/>

8.4.2. Dięer Yayın, Seminer, Panel ve Sunumlar

Ayla Arslan (2022) Invited speaker, 'Molecular Determinants of GABA(A) Receptor Specificities: Seeking Order In Chaos' Molecular Biology and Genetics Departmental Seminars, Acıbadem Üniversitesi, İstanbul.

Ayla Arslan (2019) Invited speaker, "Fostering biotechnology entrepreneurship", European summit for industrial Biotechnology (ESIB) 18-20 November 2019, Graz, Austria

Ayla Arslan (2015) "The Meaning of Human Genome Project", International Congress on Engineering and Natural Sciences, 9.9.2015, Sarajevo, Bosnia and Herzegovina

Ayla Arslan (2015) 'Clustering of GABA (A) receptors' The Fourth Regional Conference on Soft Computing: IUSSCRG 2015, 26-27 June, 2015, Sarajevo, Bosnia and Herzegovina

Ayla Arslan (2004) 'Synaptic and extrasynaptic GABA (A) Receptors', Interdisciplinary Center for Neurosciences Seminar Program, March 2004, Heidelberg, Germany.

Ayla Arslan (2017), "Genethics Today", Round Table Discussion, World Bioethics Day, 27 October 2017, IUS, Sarajevo, Bosnia and Herzegovina

Ayla Arslan (2016), 'Even black-and-white bananas look yellow', Nature, published online, Oct. 2006, pp. doi: 10.1038/news0610

Ayla Arslan (2002) Building Inhibitory Synapses, Oral Presentation University of Heidelberg, Graduiertenkolleg 791 Annual Retreat, Kloster Schöntal, February 2002, Heidelberg, Germany.

9. Projeler

Proje Yöneticisi (Principal Investigator) (2017-2019)

Proje adı: Identification of molecular interaction partners for delta containing GABA (A) Receptor subtypes

Uluslararası Saraybosna Üniversitesi, Saraybosna, Bosna-Hersek

10. İdari Görevler

Bölüm Başkanı (2017-2019), Fen Bilimleri Bölümü, Mühendislik ve Doęa Bilimleri Fakültesi, Uluslararası Saraybosna Üniversitesi, Saraybosna, Bosna-Hersek

Program Koordinatörü (2017-2019), Genetik ve Biyomühendislik Programı, Mühendislik ve Doęa Bilimleri Fakültesi, Uluslararası Saraybosna Üniversitesi, Saraybosna, Bosna-Hersek

Akreditasyon Komitesi Başkanı (2017-2018), Genetik ve Biyomühendislik Bölümünün (Lisans ve Yüksek Lisans) Avusturya Akreditasyon ve Kalite Kontrol Ajansı (AQ Austria - Agency for Quality Assurance and Accreditation Austria) tarafından Avrupa Birlięi nezdinde

5 yıl boyunca akreditasyonunun sağlanmasında başvuru sürecinin yönetilmesi

11. Bilimsel ve Mesleki Kuruluşlara Üyelikler

Society for Neuroscience (Amerika Birleşik Devletleri)

12. Diğer Görevler

iBioHub -Innovative Biology Hub

Ayla Arslan

Kurucu ve Genel Müdür 2021-halen

<https://ibiohub.org/>

Eş Başkan

I. Balkans Clinical Neuroscience Symposium (11-12 Eylül 2021) Online

Misafir editör

The Inflammation Markers in Schizophrenia and Bipolar Disorder: Do we Have Promising Results? *Frontiers in Psychiatry*, 2021-halen

<https://www.frontiersin.org/research-topics/29035/the-inflammation-markers-in-schizophrenia-and-bipolar-disorder-do-we-have-promising-results>

Misafir editör

Neuropsychiatry and substances effects on brain and behavior, *Journal of Integrative Neuroscience*, 2020-2021

https://www.imrpress.com/journal/jin/special_issues/1567740337821

Misafir editör

Genes, brains, and behavior: Integrative methodologies, *Journal of Visualized Experiments (JOVE) Methods Collection*, 2021-

Yayın kurulu üyeliği

Frontiers in Neuroscience

Frontiers in Psychiatry

Frontiers in Neurology

Hakemlik

International Journal of Computational Biology and Drug Design (2021)

Behavioral Brain Research (2019)

Psychiatry Research: Neuroimaging (2018)

Progress in Neuro-Psychopharmacology and Biological Psychiatry (2017)

13. Ödüller

Doktora Bursu, Deutsche Forschungsgemeinschaft (DFG) Graduiertenkolleg 791, Neural Developmental and Degenerative Processes, University of Heidelberg, Germany, 2002-2005.

Ziyaretçi araştırmacı bursu (Visiting scholar fellowship) Section of Neurobiology Yale University School of Medicine, New Haven, CT, USA, 2007-2007.

Seyahat Bursu, WCN Practical course on Applied bioinformatics and methodologies in SNP genotyping, Uppsala University and Karolinska Institute, Stockholm, Sweden, 09/03/2007.

TÜBİTAK Uluslararası Bilimsel Yayın Tesvik Odulu, UBYT, 2015

IUS Uluslararası Bilimsel Yayın Tesvik Odulu, 2015

IUS Uluslararası Bilimsel Yayın Tesvik Odulu, 2017

IUS Uluslararası Bilimsel Yayın Tesvik Odulu, 2018

TÜBİTAK Uluslararası Bilimsel Yayın Tesvik Odulu, UBYT, 2019

14. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler

Online: % 100 çevrimiçi senkronize eğitim

Hibrid: Yüzyüze eğitim ya da senkronize çevrimiçi eğitim opsiyonlu

School of Advanced Studies, University of Tyumen, Rusya

2021-2022 Science and Technology

2021-2022 Unit of Life

2020-2021 Topics of the First Year

2020-2021 Selected topics in Biopsychology (hibrid)

2020-2021 Consciousness and Free will in Philosophy and Neuroscience (Felsefe alan uzmanı ile ortak olarak verilmiştir) (hibrid)

2020-2021 Problems of Modern Science II (hibrid)

2020-2021 Problems of Modern Science I (online)

2020-2021 Biochemistry (online)

International University of Sarajevo, Saraybosna, Bosna-Hersek

2020-2021 BIO 415 Genetic Engineering (online)

2020-2021 Bahar ENS105 The Brain (online)

2019-2020 Güz BIO 415 Genetic Engineering

2019-2020 Bahar ENS 105 The Brain

2019-2020 Bahar BIO 314 Neuroanatomy

2019-2020 Bahar BIO 415 Genetic Engineering

2019-2020 Bahar BIO490 Graduation Project

2019-2020 Bahar NS 103 Biology