

Asst. Prof. Ece ERDAĞ TURGEON

Personal Information

Office Phone: +90 212 444 2000 Extension: 33321

Email: ece.erdag@istanbul.edu.tr

Web: <https://avesis.istanbul.edu.tr/69188>

International Researcher IDs

ORCID: 0000-0002-0545-4699

ScopusID: 37010763900

Yoksis Researcher ID: 322019

Education Information

Doctorate, Istanbul University, Aziz Sancar Institute of Experimental Medicine, Department of Neuroscience, Turkey
2011 - 2017

Postgraduate, Istanbul University, Health Sciences Institute, Aziz Sancar Deneysel Tıp Araştırma Enstitüsü Bölümü,
Turkey 2008 - 2011

Research Areas

Medicine, Health Sciences, Veterinary Sciences, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Istanbul University, Aziz Sancar Institute of Experimental Medicine, Department of Neuroscience,
2020 - Continues

Assistant Professor, Istanbul University, Aziz Sancar Institute of Experimental Medicine, Department of Neuroscience,
2020 - 2022

Other, Erasmus Universiteit Rotterdam, Medical Center, Internal Medicine, 2019 - 2021

Lecturer, Maltepe University, Faculty Of Human And Social Sciences, Department Of Psychology, 2018 - 2019

Lecturer PhD, Bahcesehir University, Faculty Of Arts And Sciences, Department Of Psychology, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Clinical relevance of distinguishing autoimmune nodopathies from CIDP: Longitudinal assessment in a large cohort**
Broers M. C., Wieske L., ERDAĞ TURGEON E., Gürlek C., Bunschoten C., Van Doorn P. A., Eftimov F., Kuitwaard K., De Vries J. M., De Wit M. Y., et al.
Journal of Neurology, Neurosurgery and Psychiatry, vol.95, no.1, pp.52-60, 2024 (SCI-Expanded)
- II. **Human-derived hair follicle stem cells and hydrogen sulfide on focal cerebral ischemia model: A comparative evaluation of radiologic, neurobehavioral and immunohistochemical results**
Genc C., Tahta A., ERDAĞ TURGEON E., Dolas İ., Sahin S., Karaoz E., Aras Y., Sabanci P. A.
Brain Research, vol.1799, 2023 (SCI-Expanded)
- III. **Increased neuropil antibody prevalence in COVID-19 patients with acute ischemic stroke**

Baştan B., ERDAĞ TURGEON E., ŞANLI E., Bayar M. D., Şişman A. B., Atacan Yaşgüçlülük M., KÜÇÜKALİ C. İ., TÜZÜN E., Günaydın S.

Neurological Research, vol.45, no.11, pp.988-993, 2023 (SCI-Expanded)

- IV. **Kv5.1 antibody in epilepsy patients with unknown etiology**
KÜÇÜKALİ C. İ., Sengul B., Gezen-Ak D., Dursun E., ERDAĞ E., AKPINAR G., KASAP M., KARAASLAN Z., Sirin N. G., Tekturk P., et al.
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- V. **Association of the kynurenine pathway metabolites with clinical, cognitive features and IL-1 β levels in patients with schizophrenia spectrum disorder and their siblings**
Noyan H., ERDAĞ E., TÜZÜN E., YAYLIM İ., KÜÇÜKHÜSEYİN Ö., HAKAN M. T., Gülöksüz S., Rutten B. P., SAKA M. C., Atbaşoğlu C., et al.
Schizophrenia Research, vol.229, pp.27-37, 2021 (SCI-Expanded)
- VI. **Serum Immunoglobulin G of Neuro-Behçet's Disease Patients Reduce Cerebral Expression Levels of Survival Pathway Factors**
Erdağ E., Şahin-Özkartal C., Küçükali C. İ., Arıcıoğlu F., Tüzün E.
NEUROLOGICAL SCIENCES AND NEUROPHYSIOLOGY, vol.37, no.3, pp.118-123, 2020 (SCI-Expanded)
- VII. **Enhanced NLRP3 and DEFA1B Expression During the Active Stage of Parenchymal Neuro-Behcet's Disease**
UGUREL E., ERDAG E., KUCUKALI C. İ., OLCAY A., Sanli E., AKBAYIR E., KURTUNCU M., GUNDUZ T., YILMAZ V., TUZUN E., et al.
IN VIVO, vol.33, no.5, pp.1493-1497, 2019 (SCI-Expanded)
- VIII. **Follow-up of patients with epilepsy harboring antiglycine receptor antibodies**
EKIZOĞLU E., Baykan B., SEZGIN M., ERDAG E., GUNDOĞDU-UNVERENGİL G., VANLI-YAVUZ E., TEKURK P., YILMAZ E., BEBEK N., TÜZÜN E.
EPILEPSY & BEHAVIOR, pp.103-107, 2019 (SCI-Expanded)
- IX. **Investigation of neuronal auto-antibodies in children diagnosed with epileptic encephalopathy of unknown cause**
Tekturk P., Baykan B., Erdag E., Peach S., Sezgin M., Yapici Z., Kucukali C. I., Vincent A., Tuzun E.
BRAIN & DEVELOPMENT, vol.40, no.10, pp.909-917, 2018 (SCI-Expanded)
- X. **Assessment of the MRI and Behavioral Test Results in a Focal Cerebral Ischemia-Reperfusion Model in the Rat after Separate and Combined Use of Mouse-Derived Neural Progenitor Cells, Human-Derived Neural Progenitor Cells and Atorvastatin**
Tanta A., Izgi N., Bagci-Onder T., Erdag E., Aras Y., Genc C.
TURKISH NEUROSURGERY, vol.28, no.4, pp.571-581, 2018 (SCI-Expanded)
- XI. **Investigation of anti-neuronal antibodies in status epilepticus of unknown etiology: a prospective study**
Atmaca M. M., Tuzun E., Erdag E., Bebek N., Baykan B., Gurses C.
ACTA NEUROLOGICA BELGICA, vol.117, no.4, pp.841-848, 2017 (SCI-Expanded)
- XII. **Glial and neuronal antibodies in patients with idiopathic intracranial hypertension**
Altıokka-Uzun G., Erdag E., Baykan B., TZARTOS J., Gezen-Ak D., Samanci B., Dursun E., ZISIMOPOULOU P., KARAGIORGOU K., STERGIOU C., et al.
NEUROLOGICAL SCIENCES, no.10, pp.1817-1822, 2017 (SCI-Expanded)
- XIII. **Effects of in vivo and in vitro administration of neuro-Behcet's disease IgG**
Erdag E., Sahin C., Kucukali C. İ., Bireller S., Kucukerden M., Kurtuncu M., TURKOGLU R., Cakmakoglu B., Tuzun E., ARICIOĞLU F.
NEUROLOGICAL SCIENCES, no.5, pp.833-843, 2017 (SCI-Expanded)
- XIV. **Investigation of neuronal auto-antibodies in systemic lupus erythematosus patients with epilepsy**
Karaaslan Z., Ekizoglu E., Tekturk P., Erdag E., Tuzun E., Bebek N., Gurses C., Baykan B.
EPILEPSY RESEARCH, pp.132-137, 2017 (SCI-Expanded)
- XV. **Brain Infiltration of Immune Cells in CASPR2-Antibody Associated Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis**

- Unverengil G., Vanli Yavuz E. N., Tuzun E., Erdag E., Kabadayi S., Bilgic B., Baykan B.
NOROPSIKIYATRI ARSIVI-ARCHIVES OF NEUROPSYCHIATRY, vol.53, no.4, pp.344-347, 2016 (SCI-Expanded)
- XVI. **Expression of switch-associated protein 70 is associated with lymphocyte activation and reduced disability in multiple sclerosis**
Türkoğlu R., özyurt S., Ulusoy C. A., ERDAG E., Tuzun E.
IMMUNOLOGY LETTERS, vol.177, pp.75-77, 2016 (SCI-Expanded)
- XVII. **Neuronal autoantibodies in mesial temporal lobe epilepsy with hippocampal sclerosis**
Vanli-Yavuz E. N., Erdag E., Tuzun E., Ekizoglu E., Baysal-Kirac L., Ulusoy C. A., Peach S., Gundogdu G., Sencer S., Sencer A., et al.
JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY, vol.87, no.7, pp.684-692, 2016 (SCI-Expanded)
- XVIII. **Neuronal autoantibodies in patients with Rasmussen's encephalitis**
Samanci B., Tekturk P., Tuzun E., Erdag E., KINAY D., Yapici Z., Baykan B.
EPILEPTIC DISORDERS, no.2, pp.204-210, 2016 (SCI-Expanded)
- XIX. **Neuronal autoantibodies in epilepsy patients with peri-ictal autonomic findings**
Baysal-Kirac L., Tuzun E., Erdag E., Ulusoy C., Vanli-Yavuz E. N., Ekizoglu E., Peach S., Sezgin M., Bebek N., Gurses C., et al.
JOURNAL OF NEUROLOGY, vol.263, no.3, pp.455-466, 2016 (SCI-Expanded)
- XX. **Antibodies to DNA repair proteins in headache with neurological deficits and cerebrospinal fluid lymphocytosis (HaNDL) patients**
Erdag E., ÇELEBİSOY N., YÜCEYAR A. N., Kurtuncu M., Vural B., Tuzun E.
ACTA NEUROLOGICA BELGICA, vol.115, no.2, pp.137-140, 2015 (SCI-Expanded)
- XXI. **Evaluation of Paraoxonase 1 Polymorphisms in Patients with Bipolar Disorder**
Kucukali C. İ., Ulusoy C., OZKAN O., Orhan N., GULEC H., Erdag E., Buker S., Tuzun E.
IN VIVO, vol.29, no.1, pp.103-108, 2015 (SCI-Expanded)
- XXII. **Switch-Associated Protein 70 Antibodies in Multiple Sclerosis: Possible Association with Disease Progression**
TURKOGLU R., Gencer M., EKMEKCI D., Ulusoy C., Erdag E., Sehitoglu E., Cavus F., Haytural H., Kucukerden M., Yalcinkaya N., et al.
MEDICAL PRINCIPLES AND PRACTICE, no.3, pp.239-245, 2014 (SCI-Expanded)
- XXIII. **Anti-N-methyl-D-aspartate receptor encephalitis with minimal cortical impairment**
Tuzun E., TURKOGLU R., Yumerhodzha S. M., Erdag E., Eraksoy M., Akman-Demir G.
NEUROLOGICAL SCIENCES, vol.34, no.1, pp.111-113, 2013 (SCI-Expanded)
- XXIV. **CACNA1H antibodies associated with headache with neurological deficits and cerebrospinal fluid lymphocytosis (HaNDL)**
Kurtuncu M., KAYA D., Zuliani L., Erdag E., Icoz S., Ugurel E., Cavus F., Aysit N., Birisik O., Vincent A., et al.
CEPHALALGIA, vol.33, no.2, pp.123-129, 2013 (SCI-Expanded)
- XXV. **Switch-associated protein 70 antibodies in multiple sclerosis: relationship between increased serum levels and clinical relapse**
Erdag E., Tuzun E., Ugurel E., Cavus F., Sehitoglu E., Giris M., Vural B., Eraksoy M., Akman-Demir G.
INFLAMMATION RESEARCH, vol.61, no.9, pp.927-930, 2012 (SCI-Expanded)
- XXVI. **Anti-neuronal and stress-induced-phosphoprotein 1 antibodies in neuro-Behcet's disease**
Vural B., Ugurel E., Tuzun E., Kurtuncu M., Zuliani L., Cavus F., Icoz S., Erdag E., Gül A., Gure A. O., et al.
JOURNAL OF NEUROIMMUNOLOGY, no.1-2, pp.91-97, 2011 (SCI-Expanded)
- XXVII. **Autoantibodies to neuronal surface antigens in thyroid antibody-positive and -negative limbic encephalitis**
Tuzun E., Erdag E., Durmus H., Brenner T., Turkoglu R., Kurtuncu M., Lang B., Akman-Demir G., Eraksoy M., Vincent A.
NEUROLOGY INDIA, vol.59, no.1, pp.47-50, 2011 (SCI-Expanded)
- XXVIII. **Antineuronal Antibodies in Migraine Patients With White Matter Lesions**
TURKOGLU R., Tuzun E., Icoz S., Birisik O., Erdag E., Kurtuncu M., Akman-Demir G.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, no.1, pp.33-36, 2011 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Otoimmün ensefalit sıçan modelinde intraserebroventriküler NMDAR ve LGI1 antikor uygulaması sonrasında artan nöbet duyarlılığı ve bozulan bellek işlevi**
YÜCEER H., AKAT PİŞKİN Ş., ULUSOY C. A., KARAASLAN Z., SOYLU S., ERDAĞ E., ÇARÇAK YILMAZ N., KÜÇÜKALİ C. İ., ONAT F., TÜZÜN E.
58. Ulusal Nöroloji Kongresi, Antalya, Turkey, 19 - 24 November 2022
- II. **Sıçanlarda LGI1 antikorunun intraserebroventriküler uygulanması ile artan nöbet şiddeti ve bozulan bellek işlevi**
AKAT PİŞKİN Ş., YÜCEER H., ULUSOY C. A., SOYLU S., KARAASLAN Z., ERDAĞ E., ÇARÇAK YILMAZ N., KÜÇÜKALİ C. İ., ONAT F., TÜZÜN E.
20. Ulusal Sinirbilim Kongresi, İstanbul, Turkey, 19 - 23 October 2022
- III. **Intracerebroventricular injection of LGI1 antibody increase seizure susceptibility and disrupts cognitive performance in autoimmune encephalitis rat model**
Yüceer H., Akat Pişkin Ş., Ulusoy C. A., Soylu S., Karaaslan Z., Erdağ E., Çarçak Yılmaz N., Küçükali C. İ., Onat F., Tüzün E.
International Molecular Immunology & Immunogenetics Congress V (MIMIC V), İzmir, Turkey, 20 - 22 October 2022
- IV. **Immunothrombotic Markers in COVID-19 Pneumonia Concurrent Ischemic Stroke**
Duran Bayar M., Şişman A. B., Çırak S., Erdağ E., Yılmaz V., Tüzün E., Günaydın S., Baştan B.
57. Ulusal Nöroloji Kongresi, Antalya, Turkey, 27 November - 01 December 2021
- V. **SWAP-70 ve FCRL2 moleküllerinin multipl skleroz fizyopatolojisindeki rolü ve biyobelirteç olarak değeri**
Akbayır E., Şekerdağ E., Erdağ E., Şanlı E., Ulusoy C. A., Koral G., Özdemir Y., Türkoğlu R., Küçükali C. İ., Yılmaz V., et al.
57. Ulusal Nöroloji Kongresi, Antalya, Turkey, 27 November - 01 December 2021
- VI. **The role of SWAP-70 and FCRL2 in the pathophysiology of multiple sclerosis and their value as a biomarker.**
Şanlı E., Şekerdağ-Yılmaz E., Erdağ Turgeon E., Akbayır E., Ulusoy C. A., Koral G., Özdemir Y., Türkoğlu R., Küçükali C. İ., Yılmaz V., et al.
15th International Society of Neuroimmunology (ISNI) Congress, Antibes, France, 8 - 12 November 2021, pp.45
- VII. **The role of SWAP-70 and FCRL2 in the pathophysiology of multiple sclerosis and their value as a biomarker**
ŞANLI E., Şekerdağ Yılmaz E., ERDAĞ E., Akbayır E., ULUSOY C. A., Koral G., GÜRSOY Y., TÜRKOĞLU R., YILMAZ V., TÜZÜN E.
15th International Society of Neuroimmunology (ISNI) Congress, France (Virtual), 8 - 12 November 2021
- VIII. **Novel anti-neuronal antibodies in idiopathic intracranial hypertension patients**
Tuzun E., Altıokka-Uzun G., Erdag E., Gezen-Ak D., Dursun E., Kucukali C. I., Baykan B.
70th Annual Meeting of the American-Academy-of-Neurology (AAN), Los-Angeles, Chile, 21 - 27 April 2018, vol.90
- IX. **İdiyopatik İntrakranyal Hipertansiyon Olgularında Anti-Nöronal Antikorlar**
Tüzün E., Altıokka-Uzun G., Gezen-Ak D., Dursun E., Erdağ E., Yetimler B., Samancı B., Ekizoğlu E., KÜÇÜKALİ C. İ., Kürtüncü M., et al.
53. Ulusal Nöroloji Kongresi, Antalya, Turkey, 24 - 30 November 2017
- X. **NEDENİ BELİRLENEMEYEN EPILEPTİK ENSEFALOPATİLERDE OTOİMMÜN ANTİKORLARIN ARAŞTIRILMASI**
Tektürk P., Baykal B., Erdağ E., Sezgin M., Küçükali C. İ., Yapıcı Z., Tüzün E.
53. Ulusal Nöroloji Kongresi, Antalya, Turkey, 24 - 30 November 2017, pp.13
- XI. **Nedeni Belirlenemeyen Epileptik Ensefalopatilerde Otoimmün Antikorların Araştırılması**
Tekturk P., Baykan B., Erdağ E., Peach S., Sezgin M., KÜÇÜKALİ C. İ., Yapıcı Z., Vincent A., Tüzün E., BAYKAL B.
53. Ulusal Nöroloji Kongresi, Antalya, Turkey, 24 - 30 November 2017
- XII. **ŞİZOFRENİ HASTALARI VE KARDEŞLERİNDE KİNÜRENİN YOLAĞI METABOLİTLERİ, VİTAMİN D VE**

İNFLAMASYON BELİRTEÇLERİNİN KOGNİSYON VE KLİNİK BELİRTİLERLE İLİŞKİSİ

Noyan H., TÜZÜN E., Erdağ E., HAKAN M. T., KÜÇÜKHÜSEYİN Ö., YAYLIM İ., ÜÇÖK V. A.

II. Türkiye in vitro Diyagnostik(IVD)Sempozyumu, İzmir, Turkey, 10 - 22 May 2017, pp.1

XIII. Immune Cell Infiltration in CASPR2-Antibody Associated Mesial Temporal Lobe Epilepsy With Hippocampal Sclerosis

TÜZÜN E., YAVUZ E. N., ERDAĞ E., BAYKAL B.

Neurology, United States Of America, 18 - 22 April 2017, vol.88, pp.1226

XIV. Nöronal Oto-antikorlarla İlişkili Dirençli Epilepsi Olgularında Otoimmün Tedavi Deneyimi ve EEG Üzerine Etkisi

Sezgin M., Ekizoğlu Turgut E., Tüzün E., Erdağ E., Bebek N., Gürses R. C., Baykal B.

33. Ulusal Klinik Nörofizyoloji EEG-EMG Kongresi, Antalya, Turkey, 12 - 16 April 2017, pp.104

XV. Voltage gated potassium channel complex antibodies with hippocampal sclerosis

Vanlı-Yavuz E., Erdağ E., Tüzün E., Ekizoğlu E., Sencer L. B., Sencer A., KÜÇÜKALİ C. İ., Bebek N., Gurses C., Gokyigit A.

70th Annual Meeting of the American Epilepsy Society, Houston, United States Of America, 2 - 06 December 2016

XVI. Neuronal auto- antibodies in mesial temporal lobe epilepsy with hippocampal sclerosis: epiphenomenon or marker for an autoimmune subtype?

Vanlı-Yavuz E. N., Tüzün E., Ekizoğlu E., Erdağ E., Baysal-Kıraç L., Ulusoy C., Peach S., Gundogdu G., Sencer S., Sencer A., et al.

12th European Congress on Epileptology, Prag, Czech Republic, 11 - 15 August 2016

XVII. Serum antibodies isolated from neuro-Behcet's disease patients mediate neuronal death and cognitive impairment.

TÜZÜN E., Erdağ E., Şahin C., KÜÇÜKALİ C. İ., KAYA M., KÜRTÜNCÜ M., Türkoğlu R., Arıcıoğlu F.

AAN 67th Annual Meeting, Vancouver, Canada, 18 - 25 April 2015, pp.1

XVIII. Beyin Parankimal Histolojisi Üzerine Intracerebral Nöro- Behçet IgG ve Serum Enjeksiyonu Etkisi.

Erdağ E., Şahin C., KÜÇÜKALİ C. İ., Arıcıoğlu F., TÜZÜN E.

50. Ulusal Nöroloji Kongresi, Antalya, Turkey, 21 - 27 November 2014, pp.103

XIX. A novel predictive factor, sorcin antibody in conversion of radiologically isolated syndrome to multiple sclerosis

Erdag E., Sehitoglu E., Kucukerden M., Orcen A., Tuzun E., Turkoglu R.

12th International Congress of Neuroimmunology (ISNI), Mainz, Germany, 9 - 13 November 2014, vol.275, pp.17-18

XX. Antibodies to DNA repair proteins in HaNDL patients

Erdag E., Tuzun E., Kurtuncu M., Vural B.

12th International Congress of Neuroimmunology (ISNI), Mainz, Germany, 9 - 13 November 2014, vol.275, pp.59

XXI. Evaluation of Incidence and Clinical Features of Antibody Associated Autoimmune Encephalitis Mimicking Dementia.

Erdağ E., ÇOBAN A., KÜÇÜKALİ C. İ., BİLGİÇ B., HANAĞASI H. A., GÜRVİT İ. H., TÜZÜN E.

Alzheimer' s Association International Conference, Copenhagen, Denmark, 12 - 17 July 2014, pp.1

XXII. Demansı Taklit Eden Antikor İlişkili Otoimmün Ensefalitin İnsidansının ve Klinik Özelliklerinin Değerlendirilmesi.

Erdağ E., KÜÇÜKALİ C. İ., TÜZÜN E., BİLGİÇ B., HANAĞASI H. A., GÜRVİT İ. H.

12. Ulusal Sinirbilimleri Kongresi, İstanbul, Turkey, 28 - 31 May 2014, pp.1

XXIII. Switch-associated protein 70 (SWAP 70) antibody levels are associated with clinical relapse in multiple sclerosis

Erdag E., Tuzun E., Akman-Demir G., Ugurel E., Sehitoglu E., Cavus F., Giris M., Vural B.

11th International Congress of Neuroimmunology (ISNI), Massachusetts, United States Of America, 4 - 08 November 2012, vol.253, pp.17

XXIV. Elevated Switch-Associated Protein 70 (SWAP70) Antibody Levels during Attacks in Multiple Sclerosis Patients

Erdag E., Ugurel E., Cavus F., Vural B., Kurtuncu M., Eraksoy M., Akman-Demir G., Tuzun E.

64th Annual Meeting of the American-Academy-of-Neurology (AAN), Louisiana, United States Of America, 21 - 28

Metrics

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