

**MEHMET OZANSOY**

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## PERSONAL INFORMATION

**Name & Surname:** Mehmet Ozansoy

**Academic Title:** Assistant Professor, Ph.D.

**Research Metrics:**

<b>Web of Science</b>	
ID	AAG-4970-2019
Citations	390
h-index	10
<b>Scopus</b>	
ID	15849087500
Citations	443
h-index	10
<b>Research Gate</b>	
Research Interest Score	351,4
Citations	515
h-index	11
<b>Google Scholar</b>	
Citations	661
h-index	11

## EDUCATION

**Ph.D.:** “Effects of Extremely Low Frequency Electromagnetic Fields on Caspase Activities”, 2006. Boğaziçi University, Dept. of Molecular Biology and Genetics, Istanbul, Turkey.

**Thesis Supervisor:** Prof. Dr. A. Nazlı Başak

**Thesis Co-Advisor:** Assoc. Prof. Dr. Yağmur Denizhan

**MSc.:** “Molecular Analysis of Frontotemporal Dementia, Progressive Supranuclear Palsy and Parkinson’s Disease, Models for Two Major Classes of Neurodegenerative Disease: Tauopathies and  $\alpha$ -Synucleinopathies”, 2000. Boğaziçi University, Dept. of Molecular Biology and Genetics, Istanbul, Turkey.

**Thesis Supervisor:** Prof. Dr. A Nazlı Başak

**BSc.:** Boğaziçi University, Dept. of Molecular Biology and Genetics, Istanbul, Turkey, 1997.

**English Preparatory Period:** Boğaziçi University, Foreign Languages School, Istanbul, Turkey (1990-1991).

**College Education:** Mehmed Bayazıt College, Istanbul, Turkey (1987-1990).

**Foreing Language(s):** English (Excellent)

ÜDS Score: 96.250

## SCIENTIFIC EXPERIENCE

- **Principal Investigator (Assistant Prof.)**-Bahçeşehir University, School of Medicine, Dept. of Physiology, Istanbul, Turkey (December 2019-continue).
- **Principal Investigator (Assistant Prof.)**- Istanbul Medipol University, Regenerative and Restorative Medicine Research Center (REMER, <http://www.remer.medipol.edu.tr>), (September 2012-December 2019).
- **Post-Doctoral Researcher**-Suna-İnan Kırac Foundation Neurodegeneration Research Laboratory (NDAL, <http://www.ndal.boun.edu.tr>), Dept. of Molecular Biology and Genetics, Boğaziçi University, Istanbul, Turkey (October 2007-February 2012).
- **Visiting Researcher** -Dept. of Neurogenetics, INSERM, Hospital Salpetriere, Paris, France (June 2002-September 2002).
- **Visiting Researcher**-Dept. of Neuroscience and Neurogenetics,
  - Johns Hopkins University, Baltimore, USA (June 2001-December 2001).
- **Visiting Researcher**-Reta Lila Weston Institute of Neurological Studies, University College London, London, UK (January 2000-January 2001).
- **Visiting Researcher**-Dept. of Neurogenetics, Imperial College,
  - St. Mary's Hospital, London, UK (June 1998-July 1998).

## ACADEMIC EXPERIENCE

### Thesis Supervised

#### Ph.D. Theses

- “Designing a System With the Help of EXPLORs to Deliver Endogenous Anti-Tumoral Particles to Glial Tumors”, Berkay Paker, (Bahçeşehir University, Neuroscience Ph.D. Programme. Continue).
- “Baskın Zeka Türleri ile Hemogram Değerleri Arasındaki İlişki”, Uğur Aylak, (Bahçeşehir University, Neuroscience Ph.D. Programme (TR). Continue).

#### MSc. Theses

- “Effect(s) of hydrocortisone-induced chronic stress on two different tumor cell lines and their influence on microglia phenotype”, Barış Can Ayvaz, (Bahçeşehir University, Neuroscience MSc. Programme). Continue
- “Effectivity of GLP-1R Agonist/C5a-R1 Antagonist/MSOD2 Antioxidant on the neuronal function of C9ORF72 mutated NSC-34 cell and Oligodendrocytes in ALS”, Rezvan Mohammadi, (Bahçeşehir University, Neuroscience MSc. Programme). Continue
- “Searching for a correlation between the clinical progression of Alzheimer Disease patients and miRNAs as potential biomarkers”, Zahraa Tahseen Mohammed Ali Kahiyah, 2023. (Bahçeşehir University, Neuroscience MSc. Programme)
- “The effect(s) of low level laser therapy (LLLT) on the release of exosomes and exosomal contents in an in vitro oxidative stress model”, Houda Mikati, 2023. (Bahçeşehir University, Neuroscience MSc. Programme.)
- “The Effect of Photobiomodulation and Vitamin D on TNF-alpha Induced Toxicity in SH-SY5Y Cells”, Abedullraziq M.A. Almsalmeh, 2022. (Bahçeşehir University, Neuroscience MSc. Programme.)
- “The Effects of Two Boron Containing Compounds on Primary Cortical Neurons in In Vitro Laser Axotomy Model”, Cennet Sena Parlattan, 2018. (Istanbul Medipol University, Neuroscience MSc. Programme.)
- “Proteomic Alterations in Different Brain Regions of Neonatal Alzheimer Transgenic Mouse Model”, Aişe Rümeyşa Mazı, 2016. (Istanbul Medipol University, Neuroscience MSc. Programme.)

- “Age-Dependent Alterations of Proteomics Profile in the Hippocampus of Alzheimer Disease Patients”, Ayşegül Sümeyye Arzuman, 2016. (Istanbul Medipol University, Neuroscience MSc. Programme.)

**Courses Given at Bahçeşehir University (As a Full-Time Instructor, November 2019-continue):**

**Undergraduate Courses Given in English**

- Physiology-School of Medicine, 1<sup>st</sup> Year, 2023-2024
- Physiology-School of Medicine, 2<sup>nd</sup> Year, 2023-2024
- Physiology-School of Medicine, 1<sup>st</sup> Year, 2022-2023
- Physiology-School of Medicine, 2<sup>nd</sup> Year, 2022-2023
- Physiology-School of Dentistry, 2<sup>nd</sup> Year, 2022-2023
- Optogenetic and Magnetogenetic Approaches in Medicine, Departmental Elective Course, 2022-2023
- Physiology-School of Medicine, 1<sup>st</sup> Year, 2021-2022
- Physiology-School of Medicine, 2<sup>nd</sup> Year, 2021-2022
- Optogenetic and Magnetogenetic Approaches in Medicine, Departmental Elective Course, 2021-2022
- Physiology-School of Medicine, 1<sup>st</sup> Year, 2020-2021
- Physiology-School of Medicine, 2<sup>nd</sup> Year, 2020-2021
- Optogenetic and Magnetogenetic Approaches in Medicine, Departmental Elective Course, 2020-2021
- Biosemiotics: A New Paradigm in Life Sciences, Departmental Elective Course, 2020-2021
- Physiology-School of Medicine, 1<sup>st</sup> Year, 2019-2020
- Physiology-School of Medicine, 2<sup>nd</sup> Year, 2019-2020

**Graduate Courses Given in English**

- Neurodegeneration&Neurodegenerative Diseases, 2023-2024, Neuroscience Master Programme
- Neurodegeneration&Neurodegenerative Diseases, 2022-2023, Neuroscience Master Programme
- Molecular & Cellular Evolution of Cognitive Processes, 2021-2022, Neuroscience Ph.D. Programme
- Neurodegeneration&Neurodegenerative Diseases, 2021-2022, Neuroscience Master Programme
- Neurodegeneration, 2020-2021, Neuroscience Ph.D. Programme
- Neurophysiology, 2020-2021, Neuroscience Ph.D. Programme
- Neurodegeneration&Neurodegenerative Diseases, 2020-2021, Neuroscience Master Programme

#### **Graduate Courses Given in Turkish**

- Neuroscience and Neural Tissue Engineering, 2023-2024, Tissue Engineering and Regenerative Medicine Master Programme.

#### **Courses Given at Istanbul Medipol University (As a Full-Time Instructor, September 2012-November 2019):**

#### **Undergraduate Courses Given in English**

- Physiology-International School of Medicine, 2<sup>nd</sup> Year, 2018-2019
- Physiology-School of Dentistry, 2<sup>nd</sup> Year, 2018-2019
- Physiology-School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 1<sup>st</sup> Year, 2018-2019
- Exercise Physiology-School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 2<sup>nd</sup> Year, 2018-2019
- Physiology-International School of Medicine, 2<sup>nd</sup> Year, 2017-2018
- Physiology-School of Dentistry, 2<sup>nd</sup> Year, 2017-2018
- Physiology-School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 1<sup>st</sup> Year, 2017-2018

- Physiology-School of Engineering and Natural Sciences, Dept. of Biomedical Engineering, 2<sup>nd</sup> Year, 2017-2018
- Physiology-International School of Medicine, 2<sup>nd</sup> Year, 2016-2017
- Physiology-International School of Medicine, 1<sup>st</sup> Year, 2016-2017
- Physiology-School of Dentistry, 2<sup>nd</sup> Year, 2016-2017
- Physiology-School of Engineering and Natural Sciences, Dept. of Biomedical Engineering, 2<sup>nd</sup> Year, 2016-2017
- Physiology-International School of Medicine, 2<sup>nd</sup> Year, 2015-2016
- Physiology-International School of Medicine, 1<sup>st</sup> Year, 2015-2016

#### Undergraduate Courses Given in Turkish

- Exercise Physiology-College of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 2<sup>nd</sup> Year, 2017-2018
- Physiology-School of Pharmacy, 2<sup>nd</sup> Year, 2016-2017
- Physiology-School of Pharmacy, 2<sup>nd</sup> Year, 2016-2017
- Physiology-School of Health Sciences, Dept. of Nutrition&Dietetics, 1<sup>st</sup> Year, 2016-2017
- Physiology-School of Health Sciences, Dept. of Midwifery, 1<sup>st</sup> Year, 2016-2017
- Exercise Physiology-School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 2<sup>nd</sup> Year, 2016-2017
- Physiology-School of Medicine, 1<sup>st</sup> Year, 2015-2016
- Physiology-School of Pharmacy, 2<sup>nd</sup> Year, 2015-2016
- Physiology-School of Dentistry, 2<sup>nd</sup> Year, 2015-2016
- Physiology-School of Health Sciences, Dept. of Nutrition&Dietetics, 1<sup>st</sup> Year, 2015-2016
- Physiology-School of Health Sciences, Dept. of Midwifery, 1<sup>st</sup> Year, 2015-2016
- Physiology-School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 1<sup>st</sup> Year, 2015-2016
- Exercise Physiology-School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 2<sup>nd</sup> Year, 2015-2016
- Physiology-School of Pharmacy, 2<sup>nd</sup> Year, 2014-2015
- Clinical Neurophysiology- School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 2<sup>nd</sup> Year, 2014-2015

- Physiology-School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 1<sup>st</sup> Year, 2014-2015
- Physiology-School of Health Sciences, Dept. of Nutrition&Dietetics, 1<sup>st</sup> Year, 2014-2015
- Physiology-School of Health Sciences, Dept. of Child Development, 1<sup>st</sup> Year, 2014-2015
- Physiology-School of Health Sciences, Dept. of Orthotics-Prosthetics, 1<sup>st</sup> Year, 2014-2015
- Exercise Physiology-School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 2<sup>nd</sup> Year, 2014-2015
- Physiology-School of Medicine, 1<sup>st</sup> Year, 2013-2014
- Clinical Neurophysiology- School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 2<sup>nd</sup> Year, 2013-2014
- Physiology-School of Pharmacy, 2<sup>nd</sup> Year, 2013-2014
- Physiology-School of Dentistry, 2<sup>nd</sup> Year, 2013-2014
- Physiology-School of Health Sciences, Dept. of Nutrition&Dietetics, 1<sup>st</sup> Year, 2013-2014
- Physiology-School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 1<sup>st</sup> Year, 2013-2014
- Physiology-School of Medicine, 1<sup>st</sup> Year, 2012-2013
- Physiology-School of Dentistry, 2<sup>nd</sup> Year, 2012-2013
- Physiology-School of Pharmacy, 2<sup>nd</sup> Year, 2012-2013
- Clinical Neurophysiology- School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 2<sup>nd</sup> Year, 2012-2013
- Physiology-School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 1<sup>st</sup> Year, 2012-2013
- Physiology-School of Health Sciences, Dept. of Nutrition&Dietetics, 1<sup>st</sup> Year, 2013-2014
- Exercise Physiology-School of Health Sciences, Dept. of Physical Therapy&Rehabilitation, 2<sup>nd</sup> Year, 2013-2014

**Graduate Courses Given in Turkish**



- Functional Morphology-Neuroscience Ph.D. Programme, 2018-2019
- Molecular&Cellular Neuroscience I-Neuroscience Ph.D. Programme, 2018-2019
- Functional Morphology-Neuroscience Ph.D. Programme, 2017-2018
- Functional Morphology-Neuroscience Ph.D. Programme, 2016-2017
- Molecular&Cellular Neuroscience I- Neuroscience Ph.D. Programme, 2016-2017
- Molecular&Cellular Neuroscience II- Neuroscience Ph.D. Programme, 2016-2017

### **Courses Given (As a Part-Time Lecturer)**

Dept. of Molecular Biology and Genetics, Haliç University, Istanbul, Turkey

- **BIY 102** Biology II (Undergraduate); 2011-2012 Spring Semester
- **BIY 206** Presentation Techniques in Biology (Undergraduate); 2011-2012 Spring Semester
- **BIY 101** Biology I (Undergraduate); 2011-2012 Fall Semester
- **BIY 205** Research and Writing Skills in Biology (Undergraduate); 2011-2012 Fall Semester

Dept. of Genetics and Bioengineering, Yeditepe University, Istanbul, Turkey

- **GBE 403** Molecular Biology I (Undergraduate); 2012-2013 Fall Semester
- **BTEC 606** Transgene and Gene Therapy (Graduate); 2011-2012 Spring Semester
- **BTEC 608** Cellular Communication and Signal Transduction Pathways (Graduate); 2011-2012 Spring Semester
- **BTEC 502** Medical and Clinical Genetics (Graduate); 2011-2012 Fall Semester

### **Courses Given/Laboratory Practices (As a Teaching Assistant) (2001-2006)**

Dept. of Molecular Biology and Genetics, Boğaziçi University, Istanbul, Turkey

- **BIO 305** Practical Applications in Biochemistry and Genetics
- **BIO 306** Practical Applications in Biochemical Techniques

- **BIO 342** Physiology
- **BIO 409** Molecular Biology Lab

## **RESEARCH PROJECTS**

### **Projects funded by external sources**

“Axolotl Xenograft Method for Treatment of Mouse Spinal Cord Injury”,

Started: 15/04/2015, Finished: 15/10/2017, involved as **Principal Investigator**,  
supported by TÜBİTAK (code: 215O595)

“The Investigation of Molecular Interactions Between Diploid, Tetraploid Neurons After Oxygen Glucose Deprivation In Vitro”,

Started: 01/03/2019, Finished: 01/01/2022 involved as a **researcher**  
supported by TÜBİTAK (code: 218S546)

“Investigation of the Interactions between Neurons and Cardiomyocytes on the Molecular and Electrophysiological Levels”,

Started: 01/10/2015, Finished: 01/04/2018, involved as a **researcher**,  
supported by TÜBİTAK (code: 115S381)

“Research on Synthesis, Molecular Modelling and Anti-microbial Effects of N’-(4-Substituethiazol-2-Il)Isonicotinohydrazide Derivatives”,

Started: 01/05/2015, Finished: 01/05/2016, involved as a **researcher**,  
supported by TÜBİTAK (code: 115S026)

“Determination of Alterations in Proteomics of Neurodegenerative Brain Tissues with MALDI-MS Imaging Technique”,

Started: 01/02/2015, Finished: 01/02/2018, involved as a **researcher**,  
supported by TÜBİTAK (code: 114S906) **International Project**

“Investigation of the Possible Role of Brain Extracellular Matrix in Neurodegeneration with the Alzheimer’s Disease as a Model”,

Started: 15/08/2013, Finished: 15/08/2016, involved as a **researcher**, supported by TÜBİTAK (code: 112S414) **International Project**

“The investigation of cell-cell and protein-protein interactions in Amyotrophic Lateral Sclerosis (ALS) by heterogeneous cell culture and transgenic Drosophila melanogaster models”, Started: 01/01/2010, Finished: 01/01/2013, involved as **postdoctoral researcher**, supported by TUBITAK (code: 108T179).

### **Projects funded by university sources**

“Investigation of Effects of Optogenetically-generated Exosomes on Primary Neuron Culture in Amyloid-beta Toxicity Model”, Started: 01/02/2021, (Continue), involved as **Principal Investigator**, supported by Bahçeşehir University, Scientific Research Funds (BAP).

“Investigation of the Effects of Gemcitabine in the Presence of Combined Photobiomodulation on the Expression of HOTAIR in Different Tumor Cell Lines”, Started: 01/09/2021, (Continue), involved as a **Researcher**, supported by Bahçeşehir University, Scientific Research Funds (BAP).

“Investigation of the Possible Effects of RNAi Silencing of Als2 on Axonal Transport in the Context of Primary Motor Neuron Culture, Started: 25/03/2014, Finished: 25/09/2014, involved as **Principal Investigator**, supported by İstanbul Medipol University, Scientific Research Funds (BAP).

“Investigation of Possible Interaction between the two Motor Neuron Disease-Causing Genes, Alsin and Spartin, in Cell Culture”, Started: 20/04/2011; finished: 20/04/2012, involved as **postdoctoral researcher**, supported by Boğaziçi University Scientific Research Funds.

“The investigation of the control elements of Drosophila Alsin Gene Expression”, Started: 01/04/2010; Finished: 13/04/2011 involved as **postdoctoral researcher** supported by Boğaziçi University Scientific Research Funds.

“Molecular Mechanisms Leading to ALS: Search of Alsin Gene Expression in Neuronal Cell Culture Model”, Started: 04/05/2008, Finished: 04/05/2009, involved as **postdoctoral researcher**, supported by Boğaziçi University Scientific Research Projects Funds.

“Effects of Electromagnetic Radiation on Living Cells Using Parkinson Disease as a Model”, Started: 04/07/2006, Finished: 04/07/2007, involved as a **Ph.D. student**, supported by Boğaziçi University Scientific Research Projects Funds.

“Effects of Electromagnetic Radiation on Living Cells Using Parkinson Disease as a Model”, Started: 2005, Finished: 2007, involved as a **Ph.D. student**, supported by State Planning Department (DPT).

## International Publications in Peer-Reviewed Journals (SCI & SSCI & Arts and Humanities)

Yulug B, Uygur B, Sayman D, Akturk A, Cankaya S, Ayyıldız B, Ayyıldız S, Salar AB, **Ozansoy M**, Hanoglu L, Altay O, Velioglu HA , Mardinoglu A, “The Role of Willpower in Major Depressive Disorder: An fMRI Study”, *SSRN, Preprints with the Lancet*, doi: 10.2139/ssrn.4445188.

**Ozansoy M**, Mikati H, Velioglu VA, Yulug B, “Exosomes: A missing link between chronic systemic inflammation and Alzheimer's disease?”, *Biomed Pharmacother* 2023 Jan 13;159:114161. doi: 10.1016/j.biopha.2022.114161. Review

Sahin Z, Biltekin SN, **Ozansoy M**, Hemiş B, Ozansoy MB, Yurttaş L, Berk B, Demirayak Ş, “Synthesis and in vitro antitumor activities of novel thioamide substituted piperazinyl-1, 2, 4-triazines”, *Journal of Heterocyclic Chemistry*, 2022, 59: 1333-1340. doi: 10.1002/jhet.4470

Ilktac HY, Kiziltan G, Lanpir AD, **Ozansoy M**, Gunal MY, Ozmen ST, Keskin I, Ozdemir EM, Kilic U, “Combined therapy with probiotic VSL# 3 and Omega-3 fatty acids attenuates colonic injury and inflammation in chronic DNBS-induced colitis in mice”, *Folia Biologica (Krakow)*, 2021, 69(3), pp:135-146. doi: 10.3409/fb\_69-3.15

Ilktac HY, Kiziltan G, **Ozansoy M**, Kilic U, Ozmen ST, Keskin I, Ozdemir EM, Gunal MY, “The effect of probiotic and omega-3 supplements on total oxidant and total antioxidant levels in experimental colitis”, *Clinical and Experimental Health Sciences*, 2021, 11(2), pp: 362-366. doi: 10.33808/clinexphealthsci.865058.

Avnioglu S, **Ozansoy M**, Cankaya S, Yildiz K, Hanoglu T, Polat B, Hanoglu L, “Empathy and Telepathy-Functional Imaging Psychiatric and Philosophic Correlates”, *Biomedical Journal of Scientific & Technical Research*, 2021, 38(5), pp: 30718-30720. doi: 10.26717/BJSTR.2021.38.006209

**Ozansoy M**, Altıntaş MÖ, Ozansoy MB, Günay N, Kılıç E, Kılıç Ü, “Two boron-containing compounds affect the cellular viability of SH-SY5Y cells in an in vitro amyloid-beta toxicity model”, *Turkish Journal of Biology*, 2020, doi: 10.3906/biy-2001-22

**Ozansoy M**, Ozansoy MB, Yulug B, Cankaya S, Kilic E, Goktekin S, Kilic U, “Melatonin Affects the Release of Exosomes and Tau-Content in In Vitro Amyloid-Beta Toxicity Model”, *J Clin Neurosci*, 2020, 73: 237-244, doi: 10.1016/j.jocn.2019.11.046

Yulug B, Saatci O, Isiklar A, Kilic U, Hanoglu L, **Ozansoy M**, Cankaya S, Cankaya B, Kilic E, “The association between HbA1c levels, olfactory memory and cognition in normal, pre-diabetic and diabetic persons” *Endocr Metab Immune Disord Drug Targets*. 2020 20(2): 198-212, doi: 10.2174/1871530319666190614121738

Günel MY, Yuluğ B, Çağlayan B, **Ozansoy M**, Kilic U, Keskin I, Kilic E, “A different view on the platelet aggregation inhibitor clopidogrel-a well-suitable anti-oedema agent in a preclinical model of brain injury”, *Cesk Slov Neurol N* 2019, 82: 115/5, 526-532. doi: 10.14735/amcsnn2019526

Şakul AA, **Ozansoy M**, Elibol B, Ayla Ş, Günel MY, Yozgat Y, Başağa SH, Şahin K, Kazancıoğlu R, Kılıç Ü, “Squalene Activates AKT/mTOR Pathway Against Cisplatin-Induced Kidney Damage”, *Turkish Journal of Biology* 2019 43: 179-188. doi:10.3906/biy-1902-77. **Equally contributed author**

Yulug B, **Ozansoy M**, Cankaya S, Hanoglu L, Kilic U, Kilic E, “A Different View on the Pathophysiology of Parkinson’s Disease: A Descendent Neurochemical Hypothesis?” *Neural Regen Res*. 2019 Oct; 14(10): 1717-1718. doi: 10.4103/1673-5374.257527. **Equally contributed author**

Yuluğ B, **Ozansoy M**, Alökten M, Çetin-Ozansoy MB, Çankaya Ş, Hanoğlu L, Kılıç Ü, Kılıç E. “Minocycline increases in vitro cortical neuronal cell survival after laser axotomy”. *Curr Clin Pharmacol*. Feb 25, 2019. doi: 10.2174/1574884714666190226093119 **Equally contributed author**

Ceylan B, **Ozansoy M**, Kılıç Ü, Yozgat Y, Ercan Ç, Yıldız P, Aslan T, “N-acetylcysteine suppresses colistimethate sodium-induced nephrotoxicity via activation of SOD2, eNOS, and MMP3 protein expressions”, *Renal Failure*, Vol:40(1), pp:423-434, 2018.

Mazi AR, Arzuman AS, Gurel B, Sahin B, Tuzuner MB, **Ozansoy M**, Baykal AT, “Neonatal Neurodegeneration in Alzheimer’s Disease Transgenic Mouse Model”, *Journal of Alzheimer’s Disease Reports*, Vol:2(1), pp: 79-91, 2018.

Gurel B, Cansev M, Sevinc C, Kelestemur S, Ocalan B, Cakir A, Aydin S, Kahveci N, **Ozansoy M**, Taskapilioglu O, Ulus IH, Başar MK, Sahin B, Tuzuner MB, Baykal AT, “Early Stage Alterations in CA1 Extracellular Region Proteins

Indicate Dysregulation of IL6 and Iron Homeostasis in the 5XFAD Alzheimer's Disease Mouse Model", *J. Alzheimers Dis.*, Vol: 61(4), pp:1399-1410, 2018.

Yulug B, Hanoglu L, **Ozansoy M**, Isik D, Kilic U, Kilic E, Schabitz WR, "The Therapeutic Role of Rifampicin in Alzheimer's Disease", *Psychiatry Clin. Neurosci.* Jan. 8, 2018. Review.

Keskin I, Günal MY, Aytürk N, Kilic U, **Ozansoy M**, Kilic E, "Dose-dependent Neuroprotective Effect of Enoxaparin on Cold-Induced Traumatic Brain Injury", *Neural Regen Res*, 12(5), pp: 761-764, 2017.

V Karatay, Y Denizhan, **M Ozansoy**, "Semiosis as Individuation: Integration of Multiple Orders of Magnitude", *Biosemiotics*, October, pp:1-17, 2016.

AH Yamac, S Kucukbuzcu, **M Ozansoy**, O Gok, K Oz, M Erturk, E Yilmaz, B Ersoy, R Zeybek, O Goktekin, U Kilic, "Altered expression of micro-RNA 199a and increased levels of cardiac SIRT1 protein are associated with the occurrence of atrial fibrillation after coronary artery bypass graft surgery", *Cardiovascular Pathology*, 25(3): 232-236, 2016.

**M. Ozansoy**, A.N. Başak, "The Central Theme of Parkinson's Disease:  $\alpha$ -Synuclein", *Molecular Neurobiology*, 47(2): 460-465, 2013. Review

G. Cobanoglu, **M. Ozansoy**, A. N. Başak, "Are Alsin and Spartin Novel Interaction Partners?", *Biochemical and Biophysical Research Communications (BBRC)*, 427(1): 1-4, 2012.

I. Enunlu, **M. Ozansoy**, A. N. Başak, "Alfa-Class Prefoldin Protein UXT is a novel Interacting Partner of Amyotrophic Lateral Sclerosis 2 (Als2) Protein", *Biochemical and Biophysical Research Communications (BBRC)*, 413(3); pp:471-475, September 30, 2011.

**M. Ozansoy**, Y. Denizhan, "The Endomembrane System: A Representation of the Extracellular Medium?", *Biosemiotics*, Vol. 2, No: 3, pp: 255-267, 2009.

H.A. Hanagasi, P. Serdaroglu, **M. Ozansoy**, N. Basak, H. Tasli, M. Emre, "Mitochondrial Pathology in Muscle of a Patient with a Novel Parkin Mutation", *International Journal of Neuroscience*, Vol. 119, No:10, pp: 1572-1583, 2009.

**M. Ozansoy**, A. N. Başak, "Tauopathies: A Distinct Class of Neurodegenerative Diseases", *Balkan Journal of Medical Genetics*, Vol. 10 No: 2, pp: 3-14, 2007. Review

**M. Ozansoy**, A.N. Başak, “Is Cell Death in Parkinson’s Disease Really Apoptosis?”, *Balkan Journal of Medical Genetics*, Vol. 9, No:1&2, pp:3-7, 2006.  
Review

HR Morris, R Katzenschlager, JC Janssen, JM Brown, **M Ozansoy**, N Quinn, T Revesz, MN Rossor, SE Daniel, NW Wood, AJ Lees. “Sequence Analysis of Tau in Familial and Sporadic Progressive Supranuclear Palsy”, *Journal of Neurology, Neurosurgery and Psychiatry*, 72: 388-390, 2002.

HR Morris MRCP, NL Khan BSc, JC Janssen MRCP, J Brown MD, J Perez-Tur PhD, M Baker BSc, **M Ozansoy MSc**, J Hardy PhD, M Hutton PhD, NW Wood PhD, AJ Lees MD, T Revesz MD, P Lantos MD, MN Rossor MD. “The Genetic and Pathological Classification of Familial Frontotemporal Dementia”, *Archives of Neurology*, Vol: 58, pp: 1813-1816 Nov 2001.

### **National Publications in Peer-Reviewed Journals**

**M Ozansoy**, E Coşkun, MBÇ Ozansoy, Ş Çankaya, MY Günel, Z Bayraktaroğlu, B Yuluğ, L Hanoğlu, “The effect of rifampicin on the neuronal cell survival in primary cortical neuron culture after laser axotomy”, *Acta Medica Alanya*, 2019; 3(2): 135-140. doi: 10.30565/medalanya.553846

**M Ozansoy**, MB Çetin Ozansoy, “Changes in Als2 Expression Leads to Different Outcomes on the Expression of Two NF-κB Targeted Genes in N2a and C2C12 Cell Lines”, *Med Med J* 2019; 34: 123-129. doi:10.5222/MMJ.2019.05945.

Günel MY, **Ozansoy M**, Kılıç Ü, Keskin İ, Özdemir EM, Aslan İ, Eren Z, Ersavaş C, Kılıç E, “Role of erythropoietin and its receptor in the development of endometriosis in rats”, *J Turk Ger Gynecol Assoc*, 20(1); pp:41-46, 2019.

MB Cetin Ozansoy, **M Ozansoy**, “Als2 Silencing Affects the Expression of Two NF-κB Targeted Genes via UXT in Adult Mouse Primary Spinal Motor Neuron Culture”, *Med Med J*, Vol:33, No:3, pp:227-234, 2018.



**M. Ozansoy**, A. N. Başak, “Tauopathies: A Distinct Class of Neurodegenerative Diseases”, *Turkish Journal of Neurology (Turkish)*, Vol. 13, No: 1, pp: 1-29, 2007. Review

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## CONFERENCE PRESENTATIONS

### Oral Presentations Published in Conference Books

Nilsu Yurtseven, Bervis Hemiş, Artun Kanıt, Zeynep Aslı Durak, **Mehmet Ozansoy**, “Investigation of Possible Anti-Cancer Effects of Boron Derivatives on C6 Rat Glioma Cell Line”, pp:198, *1st International Medicine and Pharmacy Congress*, September 16 2023.

Bervis Hemiş, Elif Bilge Şimşek, **Mehmet Ozansoy**, “Investigation of Anti-Tumor Effect of Plantago Asiatica Plant Extract on C6 Glioma Cell Line”, pp: 423, *4<sup>th</sup> International Congress on Medical Sciences and Multidisciplinary Approaches*, March 26-27-28 2022. **(Published in full text)**

**Mehmet Ozansoy**, Yağmur Denizhan, A. Nazlı Başak, “Effects of extremely low frequency electromagnetic fields on caspase activities”, pp: 345-351, *1<sup>st</sup> International Congress on Medical Sciences and Multidisciplinary Approaches*, February 20-21, 2021. **(Published in full text)**

**Mehmet Ozansoy**, Mehmet Özgen Altıntaş, Muzaffer Beyza Ozansoy, “Sodium borate decahydrate affects the fractal dimension of SH-SY5Y cells in an in vitro

amyloid-beta toxicity model” pp: 86, *International Eurasian Conference on Biotechnology and Biochemistry*, December 16-18, 2020.

Muzaffer Beyza Ozansoy, **Mehmet Ozansoy**, “The Effect of N,N-dimethyltryptamine on the fractal dimension of neurite outbranching”, pp:77, *18<sup>th</sup> Turkish Neuroscience Congress*, November 6-9, 2020.

**Mehmet Ozansoy**, Cennet Sena Parlatan, Beyza Çetin Ozansoy, Lütfü Hanoğlu, “Investigation of the effects of two boron containing compounds on neuronal survival in an in vitro axotomy model”, pp:370, *2<sup>nd</sup> International Eurasian Conference on Biological and Chemical Sciences*, June 28-29, 2019.

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**Mehmet Ozansoy**, M. Özgen Altıntaş, Ülkan Kılıç, “Effects of two boron containing compounds and melatonin in A $\beta$ <sub>1-42</sub> toxicity”, pp:17; OC-007, *3<sup>rd</sup> International Congress of Turkish Neuroendocrinology Society*, 29<sup>th</sup> June-1<sup>st</sup> July 2018.

Muzaffer Beyza Ozansoy, **Mehmet Ozansoy**, Nuran Darıyerli, “The Role of Sigma-1 Receptor on Neurite Outgrowth in Primary Hippocampal Neurons” *16<sup>th</sup> National Neuroscience Congress*, pp:98, May 20-23 2018.

Yoldas H, Kiziltan G, Togay SÖ, Keskin I, **Ozansoy M**, Kilic U, Yiğit P, Özdemir EM, Günal MY, “Effects of Probiotics and Omega-3 Fatty Acids on Inflammatory Response in Experimental Colitis Model” *17<sup>th</sup> International Nutrition & Diagnostics Conference*, pp:13, October 9-12 2017.

**Mehmet Ozansoy**, Neşe Ayşit Altuncu, Fatma İlayda Aydınli, Esra Nur Ekmekçiöğlü, Gürkan Öztürk, “The Therapeutic Application of Cell Suspension

Isolated from Axolotl to Mouse Spinal Cord Injury” *15<sup>th</sup> National Neuroscience Congress*, pp:46, May 07-10 2017.

**Mehmet Ozansoy**, Muzaffer Beyza Çetin Ozansoy, Fikrettin Şahin, Ülkan Kılıç, “The Effect of Melatonin on the Exosome Release and Exosomal Content in In Vitro Amyloid-Beta Toxicity Model” *42<sup>nd</sup> National Physiology Congress*, pp:42, September 05-08 2016.

MY. Günal, **M. Ozansoy**, İ. Keskin, Z. Eren, İ. Aslan, E. Kılıç, “ Comparative Effects of Erythropoietin- $\beta$ , Darbepoietin- $\alpha$  and MIRCERA on Endometriotic Foci in Homologous Rat Endometriosis Model”, *40<sup>th</sup> National Physiology Congress*, Abstract Book:105, Kayseri, 2014.

**M. Ozansoy**, “Recent Advances in Neuroscience-Optogenetic Approaches”, *11<sup>th</sup> National Neuroscience Congress*, Ege University, School of Medicine, İzmir, Turkey, 28 April-1 May, 2013.

Y. Denizhan, **M. Ozansoy**, V. Karatay, “Information in Biological Individuation”, *12<sup>th</sup> Gatherings in Biosemiotics*, Tartu, Estonia, July 17-22, 2012.

**M. Ozansoy**, Y. Denizhan, “Endomembrane System: A Representation of the Extracellular Medium”, *8<sup>th</sup> Gatherings in Biosemiotics*, Syros, Greece, 2008.

**M. Ozansoy**, Y. Denizhan, “Disease as Semiotic Misinterpretation, a Model Study: Parkinson’s Disease,”, *4<sup>th</sup> Gatherings in Biosemiotics*, Prague, Czech Republic, 2004.

H.A. Hanağası, **M. Ozansoy**, H.A. Şahin, B.Bilgiç, İ.H. Gürvit, J.Yazıcı, A. Brice, M. Emre, A.N. Başak, “Autosomal Recessive Juvenile Parkinsonism: A New Parkin Mutation and Clinical Heterogeneity between Family Members”, *39<sup>th</sup> National Neurology Congress*, 2003.

## Poster Presentations Published in Conference Books

Merve Karayel Başar, Emel Akgün, Sebile Arabacı, İrem Kırış, Büşra Gürel, **Mehmet Ozansoy**, İlknur Keskin, Lütfü Hanoğlu, Nagehan Ersoy Tunalı, Ahmet Tarık Baykal, “Determination of Protein Alterations in YAC128 Transgenic Mouse Brain Tissue with MALDI-MS Imaging Technique”, *24<sup>th</sup> National Biology Congress*, No:PB16, pp:86, September 10-14 2018.

B Gürel, AR Mazi, AS Arzuman, C Sevinc, S Kelestemur, B Ocalan, A Cakir, S Aydin, N Kahveci, **M Ozansoy**, M Cansev, O Taskapilioglu, IH Ulus, B Sahin, AT Baykal, “Investigating Neurological Disease Mechanisms via Proteomics Analysis”, *6<sup>th</sup> International Congress of Molecular Medicine*, pp:36, 22-25 May 2017.

Mehmet Yalçın Günal, **Mehmet Ozansoy**, Burak Yuluğ, Ülkan Kılıç, Özlem Gök, İlknur Keskin, Muzaffer Beyza Çetin Ozansoy, Ayşe Arzu Şakul, Ertuğrul Kılıç, “The Neuroprotective Effect of Clopidogrel in Experimental Traumatic Brain Injury Model” *42<sup>nd</sup> National Physiology Congress*, pp:102, September 5-8 2016.

Ayşe Arzu Şakul, **Mehmet Ozansoy**, Şule Ayla, Mehmet Yalçın Günal, Yasemin Yozgat, Rümeyza Kazancıoğlu, Kazım Şahin, Ülkan Kılıç, “The Molecular Mechanism of the Effect of Squalene on Cisplatin-Induced Nephrotoxicity” *42<sup>nd</sup> National Physiology Congress*, pp:86, September 5-8 2016.

Mehmet Yalçın Günal, Şule Ayla, **Mehmet Ozansoy**, Nejda Bedri, İsmail Aslan, Cenk Ersavaş, Muzaffer Beyza Çetin Ozansoy, Erdem Yeşilada, Ertuğrul Kılıç, “The Effect of Different Concentrations of Resveratrol on Wound Healing in Exisional Injury Model” *42<sup>nd</sup> National Physiology Congress*, pp:64, September 5-8 2016.

Aise Mazi, Aysegul Arzuman, **Mehmet Ozansoy**, Ahmet Baykal, “Neonatal Neurodegeneration in 5XFAD Alzheimer’s Disease Transgenic Mouse Model”, *64<sup>th</sup> ASMS Conference*, San Antonio, Texas, USA, June 5-9, 2016.

G. Çobanoğlu, **M. Ozansoy**, A.N. Başak, “Motor Neuron Diseases: Possible Interacting Partners of Alsin and Its Expression”, *47<sup>th</sup> National Neurology Congress*, November 25-December 1, 2011.

**M. Ozansoy**, S. Lahut, G. Çobanoğlu, A.N. Başak, “Possible Interacting Partners of Alsin and Effects of its Expression”, *10<sup>th</sup> National Congress of Neuroscience*, April 9-12, 2011.

**M. Ozansoy**, Pirkevi C, Hanağası H, Emre M, Ertan S, Siva A, Lesage S, Brice A, Başak AN, “Molecular Diagnosis of Early-Onset Parkinson’s Disease”, *41<sup>th</sup> National Neurology Congress*, 2005.

**M. Ozansoy**, Campbell T, Ersoy, N, Craufurd D, Dodge A, Boyaciyan A, Baral I, Erbes N, Hanagasi H, Kaptanoglu G, Gurvit IH, Emre M, Collinge J, and Başak AN, “Familial Creutzfeldt-Jacob Disease in Turkey: Characterization of the Codon 178 Asp-Asn Mutation in a Large Turkish Kindred” *31<sup>st</sup> Annual Meeting of the European Society of Human Genetics*, Geneva, Switzerland, 29 May - 1 June, 1999.

T Campbell, **Ozansoy M**, Ersoy N, Yokeş B, Craufurd D, Dodge A, Boyaciyan A, Baran I, Erbeş N, Hanağası H, Kaptanoğlu G, Gürvit H, Emre M, Collinge J, Başak AN., “Familial Creutzfeldt-Jakob Disease in Turkey: Characterization of the codon 178 Asp-Asn mutation in a large Turkish kindred”, *34<sup>th</sup> National Neurology Congress*, 1999.

**Award:**

Brain Research Society- Abdi İbrahim Drug Company Award, 1999.

**Certificates:**

Certificate for Problem-based Learning Training, October 18 2018.

Certificate for Assessment and Evaluation Training, July 19 2018.

Certificate for Occupational Health and Safety Training, December 21 2017.

Certificate for Occupational Health and Safety Training, October 12 2016.

Certificate for Assessment and Evaluation Training, January 21 2014.

Certificate for The Use of Experimental Animals Training, March 26 2014.

Participation Certificate of 10<sup>th</sup> National Neuroscience Congress at Istanbul University, April 9-12, 2011.

Suna Kirac Workshop on Neurodegenerative Disease, at Bogazici University, January 18-21, 2011.

International Bioinformatics Training Seminar at TUBITAK, October 19-24 1998.

### **Responsibilities:**

- Department Head of Physiology in the School of Medicine, Bahçeşehir University (Continue)
- Programme Coordinator of Medical Physiology Master Programme, Graduate School of Bahçeşehir University (Continue)
- Programme Coordinator of Tissue Engineering and Regenerative Medicine Master Programme, Graduate School of Bahçeşehir University (Continue)
- Coordinator of the Second Year Class in the School of Medicine, Bahçeşehir University (Continue).
- Coordinator of the Second Year Class in the International School of Medicine, Istanbul Medipol University (01/09/2017-01/08/2018).
- Coordinator of the Second Year Class in the International School of Medicine, Istanbul Medipol University (01/09/2016-01/08/2017).
- Coordinator of the Second Year Class in the International School of Medicine, Istanbul Medipol University (01/09/2015-01/08/2016).
- Coordinator of the First Year Class in the International School of Medicine, Istanbul Medipol University (01/09/2014-01/08/2015).
- The Vice President of Graduate School of Health Sciences, Istanbul Medipol University (25/07/2013-25/10/2017)

### **Areas of Interest:**

- Molecular and Cellular Neuroscience
- Physiology and Molecular Pathological Mechanisms of Neurodegenerative Disorders
- Regulatory RNAs in Disease
- Bioelectricity
- Molecular Genetics
- Evolutionary Genomics

- Biosemiotics
- General Systems Theory and its applications in biology.