

# 21<sup>st</sup> Turkish Neuroscience Congress

BOLU ABANT İZZET BAYSAL UNIVERSITY

08 | 11  
JUNE  
2023



BAİBU Congress Center, BOLU

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PROGRAM BOOK

FENS  
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TÜBİTAK

INTERNATIONAL BRAIN  
IBRO  
RESEARCH ORGANIZATION

TÜBA  
Türkçe Bilimler Akademisi



## Program

**21st Turkish Neuroscience Congress**  
**8 – 11 June 2023**  
**Bolu Abant İzzet Baysal University (Bolu, Türkiye)**

<b>8 June 2023 Thursday</b>	<b>9 June 2023 Friday</b>	<b>10 June 2023 Saturday</b>	<b>11 June 2023 Sunday</b>
09.00 – 16.00 Workshops	08.30 – 12.30 Scientific Program	08.30 – 12.30 Scientific Program	08.30 – 13.00 Scientific Program
16.00 – 17.30 Oral Presentations	12.00 – 12.45 Poster Presentations	11.30 – 12.30 Poster Presentations	13.00 – 13.30 Poster Presentations
17.45 – 18.00 Opening Ceremony	12.45 – 13.30 Lunch	12.30 – 13.30 Lunch	13.30 – 14.00 Lunch
18.00 – 19.00 Opening Conference	14.00 – 17.35 Scientific Program	14.00 – 19.00 Scientific Program	14.00 – 16.30 Scientific Program
19.30 – 21.00 Reception	17.35 – 20.00 Social Program (Excursion to Gölcük)	20.00 – 23.30 Gala Dinner	16.30 – 17.00 Awards & Closing Ceremony

### 8 June 2023 Thursday

09.00-16.00     **Registration**

09.00-16.00     **Workshops (Medical School)**

**WORKSHOP 1:** Experimental Animal Models for Neurological Diseases - I

Instructors: Prof. Dr. Gülgün Şengül, Prof. Dr. Meltem Bahçelioğlu, Prof. Dr. Ahmet Hacımüftüoğlu, Doç. Dr. Ayhan Çetinkaya, Dr. Güven Akçay, Dr. Kerem Atalar, Dr. Çağla Çelik, Elif Topa, Dr. Fatma Yeşilyurt and Dr. Ayşen Çalikuşu

**WORKSHOP 2:** Neuro-Microscopy

Instructor: Prof. Dr. Gamze Tanrıöver

**WORKSHOP 3:** Analysis of EEG Signals in Cognitive Neuroscience Research

Instructors: Prof. Dr. Bahar Güntekin & Dr. Tuba Aktürk

**WORKSHOP 4:** Brain Microdialysis Technique

Instructors: Prof. Dr. Sinan Canpolat & Prof. Dr. Selim Kutlu

**WORKSHOP 5:** Experimental Animal Models for Neurological Diseases – II

Instructors: Prof. Dr. Gülgün Şengül, Prof. Dr. Meltem Bahçelioğlu, Prof. Dr. Ahmet Hacımüftüoğlu, Doç. Dr. Ayhan Çetinkaya, Dr. Güven Akçay, Dr. Kerem Atalar, Dr. Çağla Çelik, Elif Topa, Dr. Fatma Yeşilyurt and Dr. Ayşen Çalikuşu

**WORKSHOP 6:** Neuro-Imaging

Instructor: Dr. Zeynep Fırat

## BAİBÜ Congress Censter

- 16.00-17.30 Salon A: Oral Communications (**OC01-OC06**)  
Chairs: Süleyman Sandal & Erkan Kılınc
- 16.00-17.30 Salon B: Oral Communications (**OC07-OC12**)  
Chairs: Ahmet Ayar & Erol Ayaz
- 16.00-17.30 Salon C: Oral Communications (**OC13-OC18**)  
Chairs: Ahmet Hacımüftüoğlu & Bahar Güntekin
- 17.45-18.00 Salon A: Congress Opening Ceremony
- 18.00-19.00 Salon A: **Conference 1:**  
Hilal Lashuel  
Rethinking Protein Aggregation and Drug Discovery in Neurodegenerative Diseases: Why We Need to Embrace Complexity?  
Chair: Muzaffer Şeker
- 19.30-21.30 Reception – Bolu Abant İzzet Baysal University, Congress Center

## 9 June 2023 Friday

- 08.30-10.30 Salon A: **Symposium 1:** Cerebral Ischemia: Any Neuroprotective Therapies at Horizon?  
S1.1 Müge Yemişçi: What We Learned about Neuroprotection from Retinal Ischemia Studies  
S1.2 Hülya Karataş: Is Cortical Spreading Depolarization Neuroprotective?  
S1.3 Ertuğrul Kılıç: Circadian Rhythm and Neuroprotection  
Chairs: Füsün Ferda Erdoğan & Mehmet Yalçın Günal
- 08.30-10.30 Salon B: **Symposium 2:** Molecular Mechanisms and Treatment Strategies in Neurodegenerative Diseases  
S2.1 Işıl Kurnaz: Molecular Mechanisms and Treatment Strategies in Neurodegenerative Diseases  
S2.2 Nagehan Ersoy Tunalı: miRNAs in the Diagnosis and Treatment of Neurodegenerative Diseases  
S2.3 Tunahan Çakır: Transcriptomic Approaches for the Diagnosis and Treatment of Alzheimer's and Parkinson's Diseases  
S2.4 Başak Kandemir: Selective Connectivity in Neural Networks and Neuroregeneration  
S2.5 Neşe Aysit: Neuroregeneration in Mouse Models  
S2.6 Burcu Erdoğan: Axolotl Brachial Plexus Nerve Injury as a Model to Investigate Peripheral Nerve Regeneration (Online)  
Chairs: Işıl Kurnaz & Nagehan Ersoy Tunalı
- 08.30-10.30 Salon C: **Panel 1:** Social Cognition  
P1.1 Çiğdem Ulaşoğlu Yıldız: Social Cognition and Intrinsic Connectivity Networks  
P1.2 Hande Tasa: The Pains of the Social Brain: Experience of Social Exclusion and Related Networks  
P1.3 Ozan Erözden: Social Punishment, Belief in Free Will and the Illusion of Fairness  
Chair: Hakan Gürvit

- 10.30-11.00 Coffee Break
- 11.00-12.00 Salon A: **Conference 2:** Matthew Walker  
“Gene Therapy for Focal Epilepsy”  
Chair: Canan Aykut Bingöl
- 12.00-13.30 Poster Communications (**PC01-PC35**) & Lunch
- 13.30-15.30 Salon A: **Symposium 3:** Sensory Processing and Brain Disease Research  
S3.1 Aslı Ayaz: Context Matters! Behavioral Control of Sensory Processing  
S3.2 Gizem Dönmez: The regulation of Glutamate Metabolism in Brain Diseases  
S3.3 Emre Yakşi: Searching for Traces of Mammalian Cortical Evolution in Zebrafish Brain  
Chairs: Cem Süer & Emre Yakşi
- 13.30-15.30 Salon B: **Short-Conferences:**  
SC1 Tayfun Uzbay: Behavioral Neuroscience and Social Trauma  
SC2 Cengiz Kılıç: Mental Consequences of Disasters: Well-Known Facts and Misconceptions  
SC3 Halil Özcan: Fundamentals of Transcranial Magnetic Stimulation Method and Its Use in Neuropsychiatry  
Chairs: Ertuğrul Kılıç & Yasemin Gürsoy Özdemir
- 13.30-15.30 Salon C: **Panel 2:** Theory of Enneagram Personality: Its Relationship with Big Five Personality Model, Affective Neuroscience Personality and Cognitive Flexibility  
P2.1 Ömer Yanartaş: Introduction to Enneagram Personality Theory  
P2.2 Cansun Şahin Çam: The Association Between Big Five Personality and Enneagram Personality Model  
P2.3 Erdoğan Akça: The Effect of Psychological Flexibility and Acceptance on Enneagram Personality Types and Mental Wellbeing  
P2.4 S. Ece Ilgin: The Relationship Between Enneagram Personality Theory and Affective Neuroscience Personality Theory  
Chairs: Gönül Peker & Ömer Yanartaş
- 15.30-15.45 Coffee Break
- 15.45-16.30 Salon A: **Conference 3:** Emrah Düzel  
Episodic Memory in Preclinical and Prodromal Alzheimer's Disease (Online)  
Chair: Müge Yemişçi
- 16.35-17.35 Salon A: Oral Communications (**OC19-OC22**)  
Chairs: Bünyamin Şahin & Mümin Alper Erdoğan
- 16.35-17.35 Salon B: Oral Communications (**OC22-OC26**)  
Chair: Tayfun Uzbay & Akif Hakan Kurt
- 16.35-17.35 Salon C: Oral Communications (**OC27-OC30**)  
Chair: Necip Kutlu & Sinan Saral
- 17.35-20.00 Social Program (Excursion to Gölçük)

## 10 June 2023 Saturday

- 08.30-10.30 Salon A: Oral Communications (**OC31-OC38**)  
Chairs: Necip Kutlu & Sinan Saral
- 08.30-10.30 Salon B: Oral Communications (**OC39-OC46**)  
Chairs: Güvem Gümüş Akay & Suat Tekin
- 08.30-10.30 Salon C: Oral Communications (**OC47-OC54**)  
Chairs: Hale Sayan Özaçmak & Leyla Aydın
- 10.30-11.00 Coffee Break
- 11.00-12.00 Salon A: **Conference 4:** William H. Colledge & Susan Jones  
Kiss1 Neurons as Central Regulators of the Mammalian Reproductive Axis and Puberty  
(Turkish Neuroendocrinology Society)  
Chair: Haluk Keleştimur
- 12.00-13.30 Poster Communications (**PC36-PC69**) & Lunch
- 13.30-15.30 Salon A: **Symposium 4:** Secrets of Glioblastomas  
S4.1 Yavuz Oktay: Holistic Approach to Gliomagenesis: Role of Epigenom in Origins of Stem Cells  
S4.2 Şevin Turcan: Molecular Heterogeneity in IDH Mutant Gliomas (Online)  
S4.3 Tuğba Bağcı Önder: Epigenetic Regulation of Therapy Response in Brain Tumors  
Chair: Gamze Tanrıöver
- 13.30-15.30 Salon B: **Symposium 5:** Update on Migraine Pathophysiology  
S5.1 Erkan Kılınc: Migraine Pathophysiology and Current Treatment Approaches from Past to Present  
S5.2 Fatma Töre: Mast Cells and Migraine  
S5.3 Rachid Giniatullin: Mechanobiology of Migraine (Online)  
Chairs: Nevzat Kahveci & Arzu Aral
- 13.30-15.30 Salon C: **Symposium 6:** Investigation of Neurodegenerative Cognitive Disorders and Their Risk Factors by Brain Oscillations  
S6.1 Görsev Yener: New Developments in Electrophysiology of Neurodegenerative Diseases  
S6.2 Deniz Yerlikaya: A Risk Factor in Alzheimer's Disease, Obstructive Sleep Apnea Syndrome: Its Electrophysiology, Cognitive Parameters and Neuroimaging Findings  
S6.3 Duygu Hünerli: Electrophysiological and Structural Imaging Methods of Cognitive Changes in Parkinson's Disease Evaluation  
S6.4 Ezgi Fide: Structural Imaging in Alzheimer's Disease, Connectivity and Entropy in Spontaneous EEG Evaluation  
Chairs: Bahar Güntekin & Görsev Yener
- 15.30-15.45 Coffee Break
- 15.45-17.15 Salon A: Oral Communications (**OC55-OC60**)  
Chairs: Gürkan Öztürk & Yasemin Önder
- 15.45-17.15 Salon B: Oral Communications (**OC61-OC66**)  
Chairs: Fatma Töre & Aslı Ayaz

- 15.45-17.15 Salon C: Oral Communications (**OC67-OC72**)  
Chairs: Yasemin Gürsoy Özdemir & Leyla Şahin
- 17.15-18.00 Poster Communications (**PC70-PC89**) & Coffee Break
- 18.00-19.00 Salon A: **Conference 5**: Thomas Südhof  
Deconstructing the Molecular Rules Governing Neural Circuit Formation: Initial Insights into How Synapses are Assembled (Online)  
Chair: Bayram Yılmaz
- 20.00-23.00 Gala Dinner (Karpalas Hotel)

### 11 June 2023 Sunday

- 08.30-09.30 Salon A: Oral Communications (**OC73-OC76**)  
Chairs: Sinan Canpolat & Ayhan Çetinkaya
- 08.30-09.30 Salon B: Oral Communications (**OC76-OC80**)  
Chairs: Meltem Bahçelioğlu & Oruç Yunusoğlu
- 08.30-09.30 Salon C: Oral Communications (**OC81-OC84**)  
Chairs: Arzu Aral & Ramazan Üstün
- 09.30-10.30 Salon A: **Conference 6**: Richard Morris  
The Making, Keeping and Losing of Memory  
Chair: Gülgün Şengül
- 10.30-11.00 Coffee Break
- 11.00-13.00 Salon A: **Symposium 7**: Advanced Optical and Electrophysiological Techniques in Neuroscience Research  
S7.1 Yavuz Yavuz: Cutting-Edge Techniques in the Investigation of Hypothalamic Food Intake Circuits: Optogenetics, Chemogenetics and Fiber Photometry  
S7.2 Emel Sokullu: 3D ExtraCellular Matrix Modulation for NeuroEngineering  
S7.3 Aşkın Kocabaş: Optogenetic Control of Social Behaviors  
S7.4 Ahmet Ayar: Trends in Cell-Based Live Imaging Techniques and Their Use in Cellular Neuroscience Research: Focus on Fluorescence and Label-Free Live Imaging Techniques  
Chairs: Mete Özcan & Emel Sokullu
- 11.00-13.00 Salon B: Symposium 8: Some New EEG approaches in Cognition Research from Neuroscience to Clinical Practice  
S8.1 Simge Aykan: Cognitive Functions and Theta Oscillations in Epilepsy  
S8.2 Eren Toplutaş: EEG Microstate Analysis and Investigation of Different States of Consciousness  
S8.3 Mevhibe Sarıcaoğlu: The Combined Use and Analysis of Electroencephalography (EEG) and Functional Near-Infrared Spectroscopy (fNIRS) Techniques in the Study of Cognitive Functions  
S8.4 Bilge Cihan Kayasandık: The Use of EEG/Artificial Intelligence for Individualization in “Noninvasive Brain Stimulation” (NIBS) Applications  
Chairs: Lütfü Hanoğlu & Şule Aydın Türkoğlu

- 11.00-13.00 Salon C: **Symposium 9:** Wearable Technologies in Neuroscience  
S9.1 Duygun Erol Barkana: Use of Wearable Devices for Emotion Recognition during Robotic Application (Online)  
S9.2 Bilge Güvenç Tuna: Performance of Electromyography (EMG) Electrodes in Smart Textile  
S9.3 Gözde Göncü-Berk: CalmWear: A Smart Tactile Sensory Stimulation Clothing (Online)  
S9.4 Elif Özden Yenigün: Sensory Materials Library: an AI Tool to Understand “Textile Hand” (Online)  
Chairs: Ahmet Hacımüftüoğlu & Bilge Güvenç Tuna
- 13.00-14.00 Poster Communications (**PC90-PC110**) & Lunch
- 14.00-15.00 Salon A: **Conference 7:** Prof. Dr. Dirk M. Hermann  
Promoting Stroke Recovery by Neurorestorative Therapies: Focus on Neurovascular Network Remodeling  
Chair: Turgay Dalkara
- 15.00-16.30 Salon A: **Panel 3:** International Doctorate and Post-Doctoral Applications: Challenges and Opportunities  
Emre Yakşi, Aslı Ayaz, Caner Çağlar, Yasemin Önder, Ekin Sönmez  
Chairs: Gönül Peker & Işıl Aksan Kurnaz
- 15.00-16.30 Salon B: **Symposium 10:** Neurodegenerative Diseases and TRP Channels  
S10.1 Mustafa Nazıroğlu: Involvement of TRPM2 Cation Channel in the Etiology of Alzheimer’s Disease  
S10.2 Kenan Yıldızhan: Microglia activation in Parkinson's Disease: The Role of TRPM2 Channel  
S10.3 Mehmet Cemal Kahya: The Role of TRP Channels in the Treatment of Neurodegenerative Diseases  
S10.4 Ömer Çelik: Alzheimer's Disease and TRP Channels  
Chairs: Gürkan Öztürk & Mustafa Nazıroğlu
- 15.00-16.30 Salon C: **Panel 4:** Lewy Body Dementia: Current Concepts and What We Know about Dysautonomia  
P4.1 Turgay Çelik: Introduction to Neurodegenerative Diseases  
P4.2 Derya Kaya: Dementia with Lewy Bodies  
P4.3 Ahmet Turan Işık: Autonomic Dysfunction in Dementia with Lewy Bodies  
Chair: Turgay Çelik
- 16.30-16.45 Coffee Break
- 16.45-17.00 Salon A: Awards & Closing Ceremony

## Oral Communications

8 June Thursday 16.00-17.30

OC01	Vortioxetine Modulates Enteroglia Cell Response Against Rotenone Toxicity in a S100B/RAGE Dependent Manner <u>Dilara Nemutlu Samur</u> , Erkan Maytalman
OC02	Knockdown of FAM163A in Arcuate Nucleus of Hypothalamus Increases Food Intake in Short-Term and Deregulates Genes Involved in Mitochondrial Dynamics <u>Cihan Süleyman Erdoğan</u> , Hüseyin Buğra Özgün, Yavuz Yavuz, Volkan Adem Bilgin, Bayram Yılmaz
OC03	Teratogenic Effect of Levetirasetam used in Treatment of Epilepsy on <i>Xenopus laevis</i> Embryos <u>Betül Kalay</u> , Ayper Boga Pekmezekmek, Özlem Özü, Burçin Ün, Mehmet Ata Seçilmiş, Seyda Erdogan, Tugba Toyran, Zeki Akarsakarya, Nermin Seda Ilgaz, Hale Öksüz
OC04	The Effect of Astrocyte-Derived Fatty Acid-Binding Protein 7 on Blood-Brain Barrier Integrity in LPS-Induced Inflammation <u>Deniz Altunsu</u> , Ecem Ayvaz, Arzu Temizyürek, Mehmet Kaya, Bülent Ahışalı
OC05	NeuroD2 Regulates Neurogenesis and Neuroprojection Related Proteins Under Oxygen-Glucose Deprivation Conditions <u>Busenur Bolat</u> , Nail Beşli, Mustafa Çağlar Beker, Merve Beker
OC06	Investigation of Activation of HSF1 (Heat Shock Factor 1) Ribonucleoprotein Complex in a Kainic Acid-Induced Cellular Excitotoxicity Model <u>Ayşenur Akkulak</u> , Emre Yeşilören, Abdullah Yalçın, Gizem Dönmez Yalçın
OC07	Non-Invasively Triggered Cortical Spreading Depolarizations Activate cGAS-STING Pathway in Neurons and Microglia <u>Kadir Oğuzhan Soylu</u> , Onur Çağın Gürlek, Hülya Karataş Kurşun, Müge Yemişçi Özkan
OC08	Comparison of Depression and Obesity in Patients with Temporal Lobe Epilepsy and Psychogenic Nonepileptic Seizures <u>Betül Merd</u> , Füsün Ferda Erdoğan
OC09	Impairment of Multisensory Integration Processes in Migraine Patients: A Virtual Dynamic Interaction Study <u>Merve Sevgi İnce</u> , İlkem Güzel, Merve Ceren Akgör, Meltem Bahçelioğlu, Kutluk Bilge Arıkan, Amr Okasha, Sabahat Şengezer, Hayrunnisa Bolay
OC10	Does Increased AP-1 Level in CSF Make PTS an Acute Immune-Mediated Disease Like GBS? <u>Şeyda Karabörk</u> , Hümeysra Çelik, Şule Aydın Türkoğlu
OC11	An Evaluation with Blood Parameters in Alzheimer's Type Dementia and Type II Diabetes Mellitus Patients <u>Esra Tekin</u> , Ayşegül Küçük, Sibel Canbaz Kabay
OC12	Retrospective Evaluation of Patients Which was Applied Peripheral Nerve Block Anesthesia in Our Clinic: A Three-Year Analysis Ubeydullah Aslan, <u>Sibel Ozcan</u> , Aysun Yıldız Altun
OC13	Evaluation of Prospective Memory and Its Relationship with Other Cognitive Abilities in Alzheimer's Disease <u>İrem Doğanoğlu</u> , Lütfü Hanoğlu, Erol Yıldırım
OC14	Quantum Approach to Cognitive Processes Leyla Aydın, <u>Funda Yağmur</u> , Erhan Kızıltan, Pervin Demir
OC15	Investigation of Alpha Oscillatory Activity in Non-Painful Tactile Stimulation to Fingertip Under Interstimulus Interval Effect <u>Güliz Akın Öztürk</u> , Zehra Ülgen, İrmak Çağlayanel, Çağdaş Güdücü
OC16	EEG Analysis of Covid-19 Effects on Cognitive Impairment in Dementia Patients: A Comparison of Power Spectral Densities and Frequencies Band Analyses <u>Mustafa Yasir Özdemir</u> , Alparslan Önder, Belkıs Özdil, Aynur Müdüroğlu, Önder Yüksel Eryiğit, İhsan Kara
OC17	The Investigation of the Relationship between the Perception of the Intensity of Others' Pain Experiences and the Insula Local Field Potentials <u>Efe Soyman</u> , Rune Bruls, Kalliopi Ioumpa, Laura Müller Pinzler, Selene Gallo, Chaoyi Qin, Elisabeth C. Van Straaten, Yoshiyuki Onuki, Johannes C Baayen, Sander Idema, Christian Keysers, Valeria Gazzola
OC18	Examining the Effect of Mask Use on the Processing of Facial Expressions through Mirror Neuron Activity <u>Evrin Gülbetekin</u> , Yakup Erbilir, Elif Ezgi Kaplan Pamuk, Alper Topaloğlu



## 9 June Friday 16.35-17.35

<b>OC19</b>	Volumetric Analysis of Age- and Sex-Related Changes in the Corpus Striatum and Thalamus in the 1-18 Age Group: A Retrospective MRI Study. <u>Sefa Işıklar</u> , Dilek Sağlam
<b>OC20</b>	Behavioral Changes Induced by Transauricular Vagal Nerve Stimulation in Experimental Autism Spectrum Disorder Model <u>Ayşen Çalikuşu</u> , Elif Gülçiçek Abbasoğlu Topa, Hasan Kiliñç, Kerem Atalar, Esmâ Deniz Barç, Hayrunnisa Bolay Belen, Meltem Bahçelioğlu
<b>OC21</b>	Investigation of the Relationship of Serum Calpain-2 and Orexin-A Levels with Autonomic and Sexual Dysfunction in Multiple Sclerosis Patients <u>Firdevs Uluç</u> , Bihter Gökçe Bozat, Şeyda Karabörk, Nevin Horasan, Şule Aydın Türkoğlu, Mehmet Hamid Boztaş
<b>OC22</b>	Investigation of the Relationship of Serum HMGB-1 and GFAP Levels with COMPASS-31 and Orthostatic Hypotension in Multiple Sclerosis Patients Bihter Gökçe Çelik, Firdevs Uluç, Şeyda Karabörk, Nevin Horasan, <u>Şule Aydın Türkoğlu</u> , Serpil Yıldız
<b>OC23</b>	Protective Effect of Uridine Against Glutamate-Induced Cytotoxicity and Oxidative Stress in Hippocampal Cells <u>Ayşegül Öztürk</u> , <u>Ahmet Şevki Taşkıran</u> , Mustafa Karademir
<b>OC24</b>	Effects of Vilazodone on Pentylentetrazole-Induced Hippocampal Damage in HT-22 Cell Line <u>Fatih Yulak</u>
<b>OC25</b>	Investigation of Neuroendocrine Effects of Irisin Hormone in Hypothalamic Cell Lines <u>Eda Çoban Ercan</u> , Aysun Üçer, Mete Özcan, Sinan Canpolat
<b>OC26</b>	The Temporal Pattern of Synaptic Activation Determines the Longevity of Structural Plasticity <u>Ali Özgür Argunsah</u> , Inbal Israely
<b>OC27</b>	The Importance of the Frequency and Novelty of Visual Distractor Stimuli in Sustaining the Spontaneous Attention Response <u>Özge Selin Çevik</u> , Tahir Delipalta, Ahmet Can Türkoğlu, Leyla Şahin, Tolgay Ergenoğlu
<b>OC28</b>	The Comparison of Perceptual Load Task Performances of Individuals with High and Low Working Memory Capacity Rukiye Candan, <u>Hatice Kafadar</u>
<b>OC29</b>	Comparison of Decision-Making and Skin Conductivity Responses According to Working Memory Capacity <u>Eda Arslan</u> , Hatice Kafadar
<b>OC30</b>	The Relationship Between Olfactory Discrimination Ability and Memory <u>Özge Akgöl</u> , Melike Tetik Oktay, Cansu Aykaç, Shoula Huseynzada, Esra Nur Taşkın, Mustafa Cenk Ecevit

## 10 June Saturday 08.30-10.30

<b>OC31</b>	Investigation of the Role of mTOR Signaling Pathway Mediated Macroautophagy and AMPK in the Hippocampal Long-Term Depression <u>Aslınur Yaşar Kolsuz</u> , Nurcan Dursun, Ercan Babur, Cem Suer
<b>OC32</b>	The Effects of 2600 MHz Radiofrequency Field Treatment on Gastric Motor Function in Rats <u>Sinem Oruç</u> , İrem Akçalı, Ebral Çubukcu, Tanaz Onsinejad, Bahriye Sırav Aral, Mehmet Bülbül
<b>OC33</b>	The Role of Gender in Visceral Dysfunction and Hindbrain Catecholaminergic System Under Chronic Stressed Conditions <u>Tanaz Onsinejad</u> , Sadettin Mert Yüksel, Hüseyin Özçelik, Amiralı Zaman, Elif Yücel, Mehmet Bülbül
<b>OC34</b>	Investigation of Electrical and Behavioral Effects of Asprosin on Dorsomedial Hypothalamic Leptin Receptor Neurons in Transgenic Mice <u>Habibe Gören</u> , Shaymaa Albatran, Deniz Öykü Özen, Hüseyin Buğra Özgün, Yavuz Yavuz, Bayram Yılmaz
<b>OC35</b>	Effects of Chronic Humanin Administration on Some Pain Markers in the Dorsal Root Ganglion of Diabetic Mice <u>Ferah Bulut</u> , Munevver Gizem Hekim, Mustafa Caglar Beker, Orhan Sayın, Mehtap Pervin, Mete Özcan
<b>OC36</b>	Agomelatine Reduces Food Intake by Regulating the Release of Leptin and Ghrelin <u>Engin Korkmaz</u> , Yavuz Erden, Çiğdem Tekin, Suat Tekin
<b>OC37</b>	The Effect of Melatonin on ER Stress Induced by REM Sleep Deprivation <u>Aysen Çakır</u> , Sevda Sehzade, Cansu Koc, Guldal Gulec Suyen, Aylin Bican Demir, Nevzat Kahveci

<b>OC38</b>	Artificial Intelligence-Based Automatic Behavior Analysis System in Laboratory Animals <u>Mumin Alper Erdogan</u> , Yasin Pak, Mahmut Karaaslan
<b>OC39</b>	MyD88 Immunoreactivity in Brainstem, Lung and Heart Tissue in a Pentylene-tetrazole Kindling Model of Epilepsy <u>İrem Küllü</u> , Aslı Okan, Züleyha Doğanyığıt
<b>OC40</b>	The Effects of Quercetin and Exercise in the Experimental Penicillin-Induced Epilepsy Model <u>Elif Sağlık</u>
<b>OC41</b>	The Effect of Autophagic Pathway Activation on Phosphorylated-Alpha-Synuclein Accumulation <u>Elif Çınar</u> , Hilal Akyel, Burcu Nur Akgüner, Gul Yalçın Çakmaklı, Ayse Ulusoy, Bülent Elibol, Banu Cahide Tel
<b>OC42</b>	Safranal Provides Neuroprotective Actions Against Hyperglycemia-Induced Neuropathy in Primary Sensory Neurons Isolated from Type-II Diabetes Prone C57BL/6J Mouse <u>Arif Kamil Salihoğlu</u> , Ahmet Ayar
<b>OC43</b>	Low-Intensity Pulsed Ultrasound and Withaferin A Restores the Structural, Compositional and Functional Alterations of Sciatic Nerves in Diabetic Neuropathy <u>Özlem Bozkurt Girit</u> , Hatice Fulya Yılmaz, Ceren Çelik, Gizem Dönmez Yalçın, Mehmet Dinçer Bilgin
<b>OC44</b>	Effects of Dexmedetomidine on Spatial Memory and Hippocampal Cholinergic System in Rats with Cognitive Impairment Model <u>Sinan Saral</u> , Tolga Mercantepe, Atilla Topçu
<b>OC45</b>	Effects of Ginkgo Biloba on Learning, Memory and Hippocampus in Rats <u>Elif Azra Arnous</u> , Ayse Arzu Yigit
<b>OC46</b>	Therapeutic Efficacy of Low-Intensity Pulsed Ultrasound on Peripheral Nerve Damage in a Rat Model of Reserpine-Induced Parkinsonism <u>Mehmet Melih Pınarbaşı</u> , Özlem Bozkurt Girit
<b>OC47</b>	Role of CaMKII/CREB Pathway in Ketamine or GLYX-13 Induced Rapid Antidepressant Behavior <u>Ceyda Özler</u>
<b>OC48</b>	Investigation of Mast Cell Infiltration, Degranulation and Tryptase and TNF-Alpha Expressions in Rat Sciatic Nerve in Chronic Inflammation Induced by Lipopolysaccharide <u>Senem Esin Yavaş</u> , Özkan Yavaş, Semiha Ersoy
<b>OC49</b>	D2 Receptor-Mediated Mechanisms of Dopaminergic System Modulation in In-vivo and Ex-vivo Experimental Models of Migraine <u>Yasemin Baranoğlu Kılınc</u> , İbrahim Ethem Torun, Erkan Kılınc
<b>OC50</b>	The Effects of Esculetin on the Release of Migraine Mediator Calcitonin Gene-Related Peptide from Trigemino-vascular Structures in an Ex-vivo Experimental Model of Migraine Ayça Nur Gönül, İbrahim Ethem Torun, Yasemin Baranoglu Kılınc, <u>Erkan Kılınc</u>
<b>OC51</b>	Electrocorticographic Evaluation of 13 Different Doses of Apelin in a Traumatic Brain Injury Model <u>Şüheda Alpay</u> , Necip Kutlu, Hasan Fehmi Özel
<b>OC52</b>	Comparison of the Therapeutic Effects of Physical Exercise and Electro-Acupuncture in a Mouse Model with Crush Damage to the Sciatic Nerve <u>Ramazan Üstün</u> , Şeyda Takva İlhan, Ayşe Şeker
<b>OC53</b>	Neuroprotective Efficacy of Royal Jelly and its Component 10-HDA in a Rat Model of Experimental Ischemic Stroke <u>Çansu Koç</u> , Berna Salman, Aysen Cakir, Çiğdem İnci Aydemir, Nursel Hasanoglu Akbulut, Pınar Levent Karabarut, Gökçe Taner, Aycan Yiğit Cinar, Ozhan Eyigor, Mehmet Cansev
<b>OC54</b>	Investigation of the Possible Effects of Boron Derivatives on the Pathogenesis of ALS in a Transgenic SOD1 Mouse Model: A Pilot Study <u>Nermin Başak Şentürk</u> , Ceren Ertan, Burcu Kasapoğlu, Fikrettin Şahin

### 10 June Saturday 15.45-17.15

<b>OC55</b>	Investigation of Hippocampal Metaplasticity Responses in Rats Modeled for Autism <u>Ercan Babur</u> , Esra Tufan
<b>OC56</b>	Taurine Attenuates the Impairment of Learning and Memory Functions in Rats with Experimental Alzheimer-Like Disease Model Induced by Intracerebroventricular Injection of Aβ1-42 <u>Burak Kayabaşı</u> , Nida Aslan Karakelle, Sibel Dinçer

<b>OC57</b>	The Effect of Canagliflozin on Hippocampal Dendrite Morphology in a Model of Alzheimer's Disease Induced by Intracerebroventricular Injection of Streptozotocin <u>Sevdener Yazı</u> , Berna Özen, Bahar Buldu, Ebru Yalçın, Osman Karaköse, Ozan Çakmak, Selenay Somunkıran, Hasan Raci Yananlı, Ümit Süleyman Şehirli, Özlem Kirazlı
<b>OC58</b>	Relationship Between Kainic Acid Seizure Model and Brain-Derived Neurotrophic Factor (BDNF) <u>Selcen Aydın-Abidin</u> , <u>Hatice Keser</u> , Elif Şahin, Ahmet Alver, İsmail Abidin
<b>OC59</b>	Effects of Sleep Deprivation on Emotional Learning and Hippocampal BDNF Levels after Trauma Exposure in Rats <u>Sebahattin Karabulut</u> , <u>Hatice Topçu</u> , Samiye Nur Er, Buse Erözdemir, Handan Güneş, Meryem Yaprak
<b>OC60</b>	Investigation of the Effects of Asprosin on Hypothalamic Cell Lines by In Vitro Methods <u>Aysun Üçer</u> , Eda Çoban Ercan, İhsan Serhatlıoğlu, Emine Kaçar, Abdullah Yaşar, Mete Ozcan, Bayram Yılmaz, Haluk Kelestimur
<b>OC61</b>	Identification of Novel Hub Genes Associated with Mitochondrial Dysfunction in Parkinson's Disease via Bioinformatic Analysis <u>Şayeste Çağıl İnal</u> , Emel Güneş
<b>OC62</b>	Metabolic Characterization of Asymptomatic Alzheimer's Disease Patients Based on Transcriptome Data <u>Hatice Büşra Lülecı</u> , Tunahan Çakır
<b>OC63</b>	Investigation of Metabolic Changes in Alzheimer's Disease through Integrated Analysis of Transcriptomic and Genomic Data <u>Dilara Uzuner</u> , Elif Düz, Atılay İlgün, Fatma Betül Bozkurt, Tunahan Çakır
<b>OC64</b>	Investigation of the Role of Pericytes in Hypertension Related Cerebral Small Vessel Disease <u>Selin Sapancı</u> , Esra Özkan, Yasemin Gürsoy-Ozdemir
<b>OC65</b>	Investigating the Effect of CCL4 Gene Silencing with shRNA in an Experimental Encephalomyelitis Model of PLP <u>Fatmanur Akpunar</u> , Esra Özkan, Vuşlat Yılmaz, Erdem Tüzün, Yasemin Gürsoy Özdemir
<b>OC66</b>	Metaplasticity of Infusion to Intrahipocampal Roscovitine Examination of the Role in the Formation <u>Salime Akçakaya Tek</u> , Özlem Barutçu, Esra Tufan, Cem Süer
<b>OC67</b>	Investigation of Knee Anticipatory Electromyographic Activity During Gait Initiation in Multiple Sclerosis Patients <u>Mustafaçan Salamcı</u> , Yeliz Salcı, Semra Topuz, Ali İmran Yalçın, Nazire Pınar Acar Özen, Meryem Aslı Tuncer
<b>OC68</b>	Visual Search in Patients with Alzheimer's Disease and Amnesic Mild Cognitive Impairment <u>Hatice Eraslan Boz</u> , Koray Koçoğlu, Müge Akkoyun, Işıl Yağmur Tüfekci, Merve Ekin, Pınar Özçelik, Gülden Akdal
<b>OC69</b>	Relationships Between Palmar and Plantar Grasp Reflex Distribution and Apgar Score in Newborns <u>Elif Sümeyra Erdemir</u> , Sema Tanrıverdi, Beste Menteşe, Necip Kutlu
<b>OC70</b>	A Mathematical Model of the Proportional Rate Control for Visually Guided Braking <u>Rabia Barın Adsız</u> , Didem Kadıhasanoğlu
<b>OC71</b>	Intracranial Electrical Stimulation with Penetrating Electrodes: A Multi-Scale Modeling Study <u>Mahmut Emin Çelik</u>
<b>OC72</b>	A Recurrent Cortical Model Accounts for Neural and Behavioral Effects of Expectation on Perceptual Processes <u>Buse Merve Ürgen</u> , <u>Hilal İrem Baştürk</u> , Hüseyin Boyacı

### 11 June Sunday 08.30-09.30

<b>OC73</b>	Therapeutic Effects of Transcranial Direct Current Stimulation on Oxidative Stress and Neuroinflammation in an Experimental Neuropathic Pain Model <u>Güven Akçay</u> , Dilara Nemutlu Samur, Narin Derin
<b>OC74</b>	In Vitro Investigation of Caspase-Dependent and Caspase-Independent Apoptotic Process in Cortex and Hippocampal Neurons in Cell Death Triggered with Sistein-S-Sulphate <u>Aysel Alphan</u> , Esat Adiguzel, Vural Küçükataay, Ayşegül Çört Dönmez, Melek Tunc Ata, Emine Kilic Toprak
<b>OC75</b>	Examination of the Relationship Between Exposome Score and Telomere Length for Schizophrenia in Patient, Unaffected Siblings, and Control Groups: Preliminary Results <u>Filiz Çetinkaya</u> , Duygu Bandırmalı, Gamze Erzin, Öykü Mançe Çalışır, Burcu Cevik, Meram Can Saka, Güvem Gümüş Akay

<b>OC76</b>	The Effect of Different Types of Calorie Restriction on Epigenetic Modifications of Age-Related Genes in Aging Mice Brain <u>Aysenur Dogan</u> , Bilge Guvenc Tuna, Omer Faruk Bayrak, Soner Doğan
<b>OC77</b>	The Presentation of Linguistic Impairment at the Level of Monologic Discourse in Early Stage Idiopathic Parkinson's Disease <u>Merve Savaş</u>
<b>OC78</b>	The Relationship of Parkinson's Disease with the Total Cerebellar and Flocculonodular Lobe Volumes: A Brain Morphometry Study <u>Merve Nur Özgen</u> , Necati Emre Şahin, Nurcan Ertan, Bünyamin Şahin
<b>OC79</b>	The Role of the Amygdala on the Gonadal Hormonal Axis <u>Bilgehan Solmaz</u>
<b>OC80</b>	Comparison of the Efficiencies of Intrathecal and Intraganglionic Injections in Mouse Dorsal Root Ganglion Mehmet Şerif Aydın, <u>Esrâ Nur Yiğit</u>
<b>OC81</b>	Examination of Visual-Audious Reaction Times According to the Autism Levels of Children with Autism <u>Batuhan Geboloğlu</u> , Leyla Aydın, Erhan Kızıltan
<b>OC82</b>	Investigation of Cognitive Characteristics due to Neurofeedback Application in Children with Attention Deficit by using the WISC-R: A Randomized Single-Blind Study <u>Rukiye Ölçüoğlu</u> , İlknur Kozanoğlu, Eylem Gül Ateş
<b>OC83</b>	Investigating the Relationship Between Cognitive Processes and Family Functioning of Children Between 10-14 Years <u>Selin Yılmaz</u> , Tuğba Bozyiğit
<b>OC84</b>	Effect of Cognitive Load on Ethical Reasoning and Memory: Preliminary Findings <u>Yaren Köse</u> , İna yet Dinçer, Zeynep Temel Yıldız

## Poster Communications

### 9 June Friday, 12.00 – 13.00

<b>PC01</b>	The Neuroprotective Activity of Thermoregulatory GABAergic Neurons in DMH after Chronic FCI <u>Buse Balaban</u> , Pelin Dilsiz, Ayşenur Özpınar, Serdar Altunay, Halil İbrahim Koç, Saltuk Buğra Baltacı, Zeynep Balçıkanlı, Utku Cebecioğlu, Mustafa Beker, Ertuğrul Kılıç
<b>PC02</b>	Chemogenetic and Optogenetic Approaches to Induce Therapeutic Hypothermia Against Acute Stroke <u>Ayşenur Özpınar</u> , Pelin Dilsiz, Buse Balaban, Serdar Altunay, Halil İbrahim Koç, Saltuk Buğra Baltacı, Oğuzhan Baygöl, Mustafa Çağlar Beker, Ertuğrul Kılıç
<b>PC03</b>	Effect of Acute Stress and Epinephrine Administration on Hippocampus and Prefrontal Cortex Neuroinflammatory Markers and MCT2- Levels Zehra Sezgin, <u>Hale Sayan Özaçmak</u>
<b>PC04</b>	Investigation of the PTEN Effect on Hippocampal the Metaplasticity Regulation <u>Hatice Saray</u> , Nurcan Dursun, Ercan Babur, Cem Süer
<b>PC05</b>	The Adrenergic Inhibitory Effect of Exogenously Applied Neuropeptide-W to Nuclues Tractus Solitarius on Vagovagal Receptive Relaxation Reflex <u>Betül Uslu</u> , Ebral Çubukcu, Mehmet Bülbül
<b>PC06</b>	The Effect of Forced Exercise on Neuropeptide Y in Parkinson Mouse Model <u>Hatice Kübra Yiğit</u> , Nadide Özkul Doğru, Aysegül Burçin Yıldırım, Hasan Ulusal, Mustafa Örkmez, Hakim Çelik, Elif Yiğit
<b>PC07</b>	Effects of Chronic Exposure to Endocrine Disruptors on Dorsal Medial Hypothalamus Leptin Receptor (LepR) Neurons <u>Deniz Öykü Özen</u> , Zehra Yağmur Erol, Habibe Gören, Yavuz Yavuz, Bayram Yılmaz
<b>PC08</b>	Investigation of Autophagy in the Cortex of Streptozotocin-Induced Diabetes Rats <u>Kevser Yücel Karasu</u> , Feyzullah Beyaz
<b>PC09</b>	Investigation of Autophagy in the Hippocampus of Streptozotocin-Induced Diabetes Rats <u>Şazimet Taş</u> , Feyzullah Beyaz
<b>PC10</b>	Effect of Angiotensin 2 Receptor Inhibition on Brain Oxidative Stress Parameters After Chronic Sleep Deprivation <u>Nazan Elma</u> , İnci Turan, Hale Sayan Özaçmak

<b>PC11</b>	Immunohistochemical Demonstration of the Activating Effect of Glutamate Agonists in Rspo-1 Neurons in the Supraoptic Nucleus of the Rat Hypothalamus <u>Gonca Topal</u> , Nursel Hasanoğlu Akbulut, Miray Berber, Duygu Gök Yurtseven, Özhan Eyigör
<b>PC12</b>	Detecting Language Network Alterations in Mild Cognitive Impairment using Task-Based fMRI and Resting-State fMRI: A Comparative Study <u>Kerem Kemik</u> , Emel Ada, Cansu Aykaç, Berrin Çavuşoğlu, Derya Durusu Emek-Savaş, Görsev Yener
<b>PC13</b>	Evaluation of Visuospatial Functions with Eye Movements in Patients with Alzheimer's Disease <u>Müge Akkoyun</u> , Koray Koçoğlu, Hatice Eraslan Boz, Işıl Yağmur Tüfekci, Merve Ekin, Pınar Özçelik, Gülten Akdal
<b>PC14</b>	The Impact of Linguistic Functioning on Caregiver Burden in Patients with Alzheimer's Disease <u>Merve Savaş</u> , Senanur Kahraman Beğen, Burak Manay, Fahri Koca, Ayşe Saliha Yazaroğlu, Melis Buse Altun, Demet Aygün
<b>PC15</b>	Investigation of Left DLPFC TMS Stimulation with Rest-EEG in Alzheimer's Patients: A Preliminary Study <u>Fatma Aydın</u> , Suat Yılmaz, Halil Aziz Velioglu, Bahar Güntekin, Lütfü Hanoğlu
<b>PC16</b>	Examination of the Metacognitive Beliefs and Cognitive Flexibility Skills of Bilingual and Monolingual Individuals <u>Hande Şenel</u> , Gül Seher Sözer, Zülal Terzier, Zeynep Yıldız
<b>PC17</b>	Can Four Meter Walking Speed Be a Predictor of Cognitive Functions in Elderly Individuals? <u>Büşra Ekemen</u> , Ayşegül Yurt, Kamile Silay, Büşragül Yılmaz, Leyla Aydın
<b>PC18</b>	Errors in Angle, Length and Sectional Surface Area Measurement on Radiological Images and their Possible Solutions <u>Bünyamin Şahin</u> , Aysun Karaca Yalçın, Merve Nur Özgen, Aymen Ahmed Warille
<b>PC19</b>	Lateralization of the Grasp Reflex in Male and Female Human Newborns <u>Necip Kutlu</u> , Beste Menteşe, Merve Şahin
<b>PC20</b>	Can Emotional Intelligence be a Determinant in Weight Loss? İffet Karakuş Akyüz, Güzin Andaç Dinçsoy, Beyza Turgaz, Mihriban Erdem, Shaafah Namulodi, <u>Leyla Aydın</u>
<b>PC21</b>	Hippocampal Subfield Volumetry and Affective Memory Recall: Gender Differences Associated with Negative, Neutral and Positive Images Mehmet Akif Elen, <u>Alev Kızıl</u>
<b>PC22</b>	Determination of Hand and Foot Lateralization of University Students in Physical and Social Sciences Departments <u>Didem Ayhan</u> , Fatma Töre
<b>PC23</b>	The Mediating Role of Depression in the Relationship Between Executive Functioning and Life Satisfaction Hatice Kafadar, <u>Hasibe Arıcan Süren</u>
<b>PC24</b>	The Role of Pea3 Proteins in Neuro-Vascular Networks <u>Sedef Yusufoğulları</u> , Işıl Kurnaz
<b>PC25</b>	Structural Analysis of Astrocytic GABA Transporter GAT3 as a Therapeutic Target <u>Rahaf Al Masri</u> , Kemal Yelekçi, Sebnem Essiz, Yasemin Önder
<b>PC26</b>	Stability Analysis of RNA Structured Oligonucleotides <u>Büşra Nur Çiçek</u> , Betül Ertural, Işıl Kurnaz, Işıl Kurnaz
<b>PC27</b>	Determination of the Effect of Oxidative Stress in Neurons on Members of the PEA3 Family Yasin Ersöz, Nergis Erva Arslan, <u>Zehra Ceren Tosun</u> , Zeynep Ceren Onlat, Başak Kandemir, Mehmet Alp Güner
<b>PC28</b>	Investigation of Effects of c-myc Transcription Factor on the Expression Level of ATP13A2 Gene <u>Aslı Beril Tiryakiler</u> , Arzu Karabay Korkmaz
<b>PC29</b>	Identification of Potential miRNA and Target Genes in Glioblastoma Formation by Bioinformatic Analysis and Investigation of Their Interactions <u>Simay Çetinkaya</u> , Başak Kandemir
<b>PC30</b>	Effect of Glycyrrhiza Glabra Extract on T98 Glioblastoma Cells: In Vitro Study <u>Fatma Yeşilyurt</u> , Feyza Burul, Öznur Altunlu, Irmak Ferah Okay, Ayşenur Budak Savaş, Ufuk Okay, Ahmet Hacımüftüoğlu
<b>PC31</b>	Protein Interactome Based Analysis of Transcriptomic and Genomic Alterations and Subtypes in Alzheimer's Disease <u>Elif Düz</u> , Fatma Betül Bozkurt, Tunahan Çakır
<b>PC32</b>	The ROS Scavenging Effects of Extracellular Vesicles Derived from Plant Suspension Cell Cultures of Vitis vinifera and Vitis labrusca against Cisplatin-Induced Neuron Death <u>Derya Sağraç</u> , Oğuz Kaan Kırbaş, Bihter Güven, Pakize Neslihan Taşlı, Bahar Sogutmaz Ozdemir, Fikrettin Şahin

<b>PC33</b>	Regulatory Network of ETS Genes in Amyotrophic Lateral Sclerosis <u>Ayşenur Kocaman</u> , Ekin Sönmez, Yiğit Koray Babal, Yiğit Koray Babal, Işıl Aksan Kurnaz
<b>PC34</b>	Investigation of the Effects of Direct Current Stimulation on Parkinson's Disease In Vitro <u>Betül Danışman</u> , Muhammed Sait Ertuğrul, Betül Çiçek, Ahmet Hacımüftüoğlu, Mustafa Erdem Sağsöz
<b>PC35</b>	Immunohistochemical Determination of Cholinergic Terminations on Hypothalamic Nesfatin-1 Neurons <u>Aynura Aghayeva</u> , Nursel Hasanoğlu Akbulut, Özhan Eyigör

### 10 June Saturday, 12.00 – 13.00

<b>PC36</b>	Investigation of the Effect of Fibroblast Growth Factor-21 on Cell Viability In Vitro Model of Diabetic Neuropathy <u>Seval Ülkü Orhan</u> , Güldeniz Şekerci, Suat Tekin, Mete Özcan
<b>PC37</b>	Cellular Intake and Specificity Analysis of Elk-1 Targeted RNA Based Treatment Molecule Antisense Oligonucleotides <u>Betül Ertural</u> , Büşra Nur Çiçek, Işıl Kurnaz
<b>PC38</b>	Cell Specific Regulation of ETS Transcription Factors in Drosophila Central Nervous System <u>Ekin Sönmez</u> , Atılay Ilgün, Yiğit Koray Babal, Işıl Aksan Kurnaz
<b>PC39</b>	Investigation of the Effects of HIPK2-Mediated Phosphorylation of Spastin on Neuronal Morphology <u>Ezgi Selçuk</u> , Ilgın Işıltan, Arzu Karabay Korkmaz
<b>PC40</b>	The Protective and Therapeutic Effects of Oxyresveratrol in a Hydrogen Peroxide-induced In-Vitro Neurodegenerative Disease Model <u>Akif Hakan Kurt</u> , Cansu Kara Öztabağ, Mohammad Zaker Yaquobi, Mehmet Ali Sungur
<b>PC41</b>	Cross-Species Metabolic Alterations in Alzheimer's Disease from Transcriptome <u>Regan Odongo</u> , Tunahan Çakır
<b>PC42</b>	Prediction of Novel Biomarkers for Parkinson's Disease by Integrating Genome-Scale Metabolic Models and Transcriptome Data <u>Ecehan Abdik</u> , Tunahan Çakır
<b>PC43</b>	A Three-Dimensional Micropatterned Tumor Model for Glioblastoma Migration Studies <u>Nilufer Ismayilzada</u>
<b>PC44</b>	Investigation of the Effect of ATP13A2 Mutations on Intracellular Iron Accumulation <u>Ezgi Erterek</u> , Murat Gültekin, Zuhul Yapıcı Obuz, Arzu Karabay Korkmaz
<b>PC45</b>	Examination of the Effect of 4-t-Butylbenzoic Acid on the Histological Development of Zebrafish Nervous System <u>Tarık Dinç</u> , Nazan Deniz Yön Ertuğ
<b>PC46</b>	Selective and Non-Selective Staining of Neurons and Neuroglia using Golgi-Cox method <u>Çağlar Özdemir</u> , Elif Polat Corumlu, Buğra Bilgin, Hakan Ay, Emel Ulupınar
<b>PC47</b>	Investigation of Learning, Memory and Anxiety Levels of Male and Female Rats Injected with Monosodium Glutamate <u>Hasan Akça</u> , Tunahan Anber, Fatih Altıntaş, Melek Tunc Ata, Dilek Sayın, İsmail hakkı Akbudak, Vural Küçükataçay
<b>PC48</b>	Investigation of Genotoxicity in Male and Female Rats with Central Obesity Model Induced by Monosodium Glutamate Injection <u>Tunahan Anber</u> , Hasan Akça, Fatih Altıntaş, Melek Tunc Ata, Dilek Sayın, İsmail Hakkı Akbudak, Vural Küçükataçay
<b>PC49</b>	Investigation of Neuroprotective and Therapeutic Effects of Ginger Against Experimental Traumatic Brain Injury <u>Güven Akçay</u> , Çağla Çelik, Sevil Özkınalı, Fikri Özdemir
<b>PC50</b>	Investigation of Therapeutic Effects of Ginger on Neuroinflammation in Experimental Neuropathic Pain Model <u>Çağla Çelik</u> , Güven Akçay, Sevil Özkınalı, Fikri Özdemir
<b>PC51</b>	The Effects of Mer Tyrosine Kinase on Injury Progress and Inflammation after Hypoxia Ischemia <u>Enes Doğan</u> , Zeynep Balçıkanlı, Buse Balaban, Mehmet Şerif Aydın, Ülkan Kılıç, Taha Keleştemur, Mustafa Çağlar Beker, Ertuğrul Kılıç
<b>PC52</b>	Asprosin Reduces Volume of Cerebral Infarction in Rat Middle Cerebral Artery Occlusion Stroke Model Kevser Tanbek, Engin Korkmaz, Furkan Yüksel, Sümeyye Akbulut, Çiğdem Tekin, Suat Tekin, <u>Süleyman Sandal</u>
<b>PC53</b>	Effect of Maternal Depression and Antidepressant Treatment on Catecholaminergic Neurotransmitters and Neurogenesis Markers in the Hypothalamus of First-Generation Rat Pups <u>Selim Kutlu</u> , Raviye Özen Koca, Hatice Solak, Canan Eroğlu, Ercan Kurar, Zafer Şahin, Mehmet Ak, Faruk Uğuz

<b>PC54</b>	The Effect of Asprosin on Monoamine Levels in Different Regions Related to Sexual Behavior in Female Rat Brain Zeynep Dila Öz, Emine Kaçar, <u>Ahmed Sait Bozyil</u> , Mehmet Rıdvan Özdede, Aslışah Özgen, İhsan Serhatlıoğlu, Bayram Yılmaz, Haluk Keleştimur
<b>PC55</b>	Investigation of Working Memory Performance, Long-Term Memory Performance, Anxiety Level and Depression Level in People with Temporal Lobe Seizure and Psychogenic Non-Epileptic Seizure by Spectral Analysis Method <u>Berat Bağbancı</u> , Füsün Ferda Erdoğan, Meltem Ünlüsavuran
<b>PC56</b>	Effects of A. Schoenoprasum L. Extract in the Acute Epilepsy Model in Rats <u>Dana Zağzouq</u> , Aydın Him, Ramazan Güneşer, Arzu Türker
<b>PC57</b>	Protective Effect of Nesfatin-1 Peptide on hyperoxia-induced Neuron Death in the Neonatal Rat Brain <u>Kıymet Zülal Halk</u> , Bilge Arıcan Yanar, Birnur Aydın, Bülent Gören, Özhan Eyigör, Fatma Zehra Minbay
<b>PC58</b>	Immunohistochemical Expression of Connexin 43 and Connexin 50 in the Hippocampus of Hibernating Anatolian Ground Squirrels (Spermophilus xanthoprimum) <u>Begüm Fatma Kiryar</u> , Ahmet Cabir, Hale Nur Beştas, Güler Toprak, Fatma Nur Merd, Maide İlay Tekin, Alev Çay, Sebahattin Köknur, Merve Umaç, Feyzullah Beyaz
<b>PC59</b>	Investigation of Acute Effects of Balance Exercises on Reaction Time and Visual Memory in Dementia Patients <u>İlkem Güzel</u> , Filiz Can
<b>PC60</b>	The Effect of Conscious and Preconscious Perception of Threatening Stimuli on Aesthetic Preferences Fatma Ebru Köse, <u>Erdem Taşkıran</u>
<b>PC61</b>	Development of a Numerical Stroop Test and its Administration on a Group of University Students <u>Simay Alptekin</u> , Simge Şişman Bal
<b>PC62</b>	Comparison of Working Memory and Fluid Intelligence According to Social Media Addiction Levels <u>Süheyla Verim Azyoksul</u> , Hatice Kafadar
<b>PC63</b>	Relationship of Visual Spatial Abilities with Working Memory and Reasoning <u>Elif Sena Ergin</u> , Hatice Kafadar
<b>PC64</b>	Investigation of the Effect of Caffeine Consumption Amount on Cognitive Functions <u>Fatma Özlem</u> , Aslı Zengin Türkmen, Gökçer Eskikurt, Aslı Ceren Macunluoğlu, Asiye Nurten, Ayfer Dayı
<b>PC65</b>	GLP-1 and DPP-4 Levels in Rats Exposed to Cigarette Smoke <u>Merve Uzuner</u>
<b>PC66</b>	Could our Tendency to Lie be Changed by Metacognitive Activity Prior to Making Decisions in Moral Dilemmas? <u>Cemre Birkan</u> , Eda Nur Çapkan Altun, Gizem Tanseli Kaspar, Mehtap Çakır
<b>PC67</b>	Investigation of the Effect of Uncanny Valley Phenomenon on Feelings and Gaze Behavior of People Familiar and Unfamiliar with Computer-Based Imagery <u>Filiz Yönyüksel</u> , Eda Nur Çapkan, Yunus Emre Balcı, İtir Kaşıkçı
<b>PC68</b>	Is This Dog Cute or Sad? A Behavioral and Electrophysiological Study of the Effect of AU101 Facial Expression in Dogs on Human Face Perception <u>Furkan Alagöz</u> , Tuba Kürne, Ahmet Semih Marufoğlu, Evrim Gülbetekin
<b>PC69</b>	Am I Still Cute? Examining Images of Pareidolia in the Context of Baby Schema and Spatial Frequency <u>Ahmet Semih Marufoğlu</u> , Furkan Alagöz, Evrim Gülbetekin

### 10 June Saturday, 17.15 – 18.00

<b>PC70</b>	Identification of Distinct Molecular, Spatial and Functional Domains of Zebrafish Habenula and Comparison to Mice <u>Yağnur Işık Çiftci</u> , Björn André Bredesen Aa, Francisca Acuña Hinrichsen, Emre Yakşi
<b>PC71</b>	The Limbic System of the Japanese Quail Sinem Gençtürk, <u>Defne Albayrak</u> , Cem Sevinç, Güneş Ünal
<b>PC72</b>	An Aspect to Autophagy in the Hippocampus of Anatolian Ground Squirrels (Spermophilus xanthoprimum) during Hibernation <u>Ahmet Cabir</u> , Begüm Fatma Kiryar, Kevser Yücel Karasu, Şazimet Taş, Alev Çay, Sebahattin Köknur, Feyzullah Beyaz
<b>PC73</b>	Comparison of The Retina of Anatolian Ground Squirrels (Spermophilus xanthoprimum) During Hibernation and Active Periods <u>Ahmet Cabir</u> , Mehmet Özbek, Sebahattin Köknur, Feyzullah Beyaz

<b>PC74</b>	Neuroprotective Effects of N-acetylcysteine in an Acute Model of LPS-Induced Neuroinflammation <u>Judi Kesebi</u>
<b>PC75</b>	An Investigation of the Effects of Dexmedetomidine on Neuroinflammation and Myelin Structure in an Experimental Rat Hydrocephalus Model Diaa Yahya, <u>Merve Ayan</u> , Halil Kamil Öge, Sevda Müftüoğlu
<b>PC76</b>	Investigation of the Effects of Transauricular Vagal Stimulation on Enteric Nervous System Synapse Formation and Intestinal Morphometry in Colitis Model Ayşe Soylu, Ece Alim, Saadet Özen Akarca Dizakar, <u>Kerem Atalar</u> , Birce Erçelen Özöztürk, Meltem Bahçelioğlu
<b>PC77</b>	Effects of Centrally Administered Uridine Triphosphate and Receptor Antagonist on Activation of Nesfatin-1 Neurons <u>Nursel Hasanoğlu Akbulut</u> , Cansu Koç, Berna Salman, Nergis Coşkan, Erkan Ermiş, Gonca Topal, Özhan Eyigör, Mehmet Cansev
<b>PC78</b>	Investigation of the Effect of Glutamate Agonist Kainic Acid on the Activation of Melanin Concentrating Hormone Neurons <u>Miray Berber</u> , Gonca Topal, Duygu Gök Yurtseven, Özhan Eyigör
<b>PC79</b>	Investigation of the Effect of Phosphodiesterase 1 Inhibition on Cell Survival After Oxygen Glucose Deprivation In Vitro <u>Zehra Değirmenci</u> , Çiğdem Bayraktaroğlu, Nursena Şengün, Mustafa Çağlar Beker, Ertuğrul Kılıç
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<b>PC84</b>	In Vitro Effect of 4-Diethylaminosalicylaldehydepropanesulfonylhydrazone, a New Potential Cholinesterase Inhibitor, on Rat Myometrial Contractions <u>Kaniye Zeynep Çalışkan</u> , Esra Sumlu, Ayça Yavuz, Bahriye Horasanlı, Esra Bilen Ayan, Ummuhan Ozdemir Ozmen, Selim Kutlu
<b>PC85</b>	Spinal Intraneural Hemangioma <u>Bilgehan Solmaz</u>
<b>PC86</b>	The Effect of Caffeine on Anxiety-Like Behaviour in MK-801-Administered Neonatal Mice Kübra Akıllıoğlu, Seda Köse, <u>Meltem Dönmez Kutlu</u>
<b>PC87</b>	Investigation of the Anti-Allodynic Effects of Cibinetide (ARA290) in Cisplatin-Induced Peripheral Neuropathy <u>Çiğdem Çengelli Ünel</u> , Buğra Özkan, Nuşin Harmancı, Semra Yiğitaslan, Orhan Özatik, Serkan Çelik
<b>PC88</b>	Mitochondrial DNA Changes in Unipolar and Bipolar Depression <u>Bilge Karacıçek</u> , Kemal Ugur Tufekci, Izel Cemre Aksahin, Sevin Hun Senol, Sermin Genç, Deniz Ceylan
<b>PC89</b>	In silico Identification of Cell Specific TFs in Parkinson's Disease <u>Pınar Mutlu</u> , Ekin Sönmez, Yiğit Koray Babal, Işıl Kurnaz

### 11 June Sunday, 13.00 – 13.30

<b>PC90</b>	Role of Exosomes in Malign Transformation of Astrocytes <u>Ezgi Taşkan</u> , Burcu Kasapoğlu, Oğuz Kaan Kırbaş, Fikretin Şahin
<b>PC91</b>	A Facile Hydrogel-Based Micropatterned 3D Platform to Model Oligodendrogenesis and Myelination <u>Ecem Metin</u>
<b>PC92</b>	Evaluation of Cognitive Function in Patients with Fibromyalgia with Foresight of Cerebral Lateralization <u>Sezen Omak</u> , Necip Kutlu, Özgür Akgül
<b>PC93</b>	Content of Visual Distractor Stimuli Modulates the Effects of Task Difficulty on Spontaneous Attention Response <u>Muhammet Mustafa Yılmaz</u> , Tolgay Ergenoğlu
<b>PC94</b>	The Effect of Emotional Manipulation on Attention and Working Memory <u>Zehra Gökçe Yılmaz</u> , Büşra Ulusoy, Dilara Selçuk, Zeynep Yıldız



<b>PC95</b>	Habituation of Visual Go-P3 and Nogo-P3 Potentials in Young Adults Esra Seymen, <u>Ahmet Can Türkoğlu</u> , Muhammet Mustafa Yılmaz, Tolgay Ergenoğlu
<b>PC96</b>	Investigation of the Effect of Gender on Response Inhibition with Event-Related Potentials <u>Ahmet Can Türkoğlu</u> , Özge Selin Çevik, Leyla Şahin, Zeynep Eda Erden, Tolgay Ergenoğlu
<b>PC97</b>	The Effects of Stimulus Frequency on Visual Go and Nogo Responses: An Event-Related Potential Study <u>Leyla Şahin</u> , Esra Seymen, Muhammet Mustafa Yılmaz, Özge Selin Çevik, Dora Bulut Tepebaşılı, Tolgay Ergenoğlu
<b>PC98</b>	Developing a "Dream Consciousness Scale" to Compare Various Forms of Consciousness Based on Constituent Elements of the Consciousness Scene <u>Zeynep Yıldız</u> , Halil Aziz Velioğlu, Hansa Senturk, Ali Yalçinkaya, Muhammed Mustafa Haşimoğlu, Mustafa Erdoğan, Lütfü Hanoğlu
<b>PC99</b>	Investigation of Pulsed Electromagnetic Field Anxiety in Rats via Dopamine Pathway <u>Aslıhan Çetin</u> , Ayşe Demirkazık
<b>PC100</b>	Comparison of Mu and All EEG Rhythms in the Classification of Motor Imagery of the Right Extremities <u>Mustafa Yazıcı</u> , Mustafa Ulutaş, Mukadder Okuyan
<b>PC101</b>	Investigating the Correlation of Brain Signals Between Two People During Different Modes of Pair Communication Using EEG <u>Omar Kerbouche</u> , Sevgi Şengül
<b>PC102</b>	Effects of Prefrontal tDCS on Brain Metabolites in the DLPFC of Healthy Subjects - a Double-Blind Placebo-controlled MRS Study <u>Gizem Vural</u> , Aldo Bernard Soldini, Frank Padberg, Eva Mezger, Julian Melcher, Sophia Stoecklein, Lucia Bulubas, Antonia Šušnjar, Daniel Keeser
<b>PC103</b>	Effect of Bocce Sport and Intermittent Fasting in the Elderly on Serum Irisin and BDNF Levels Hüsniye Bilge Sertdemir, <u>Beyza Dursun</u> , Mehmet Salih Kaya, Fahri Bayıroğlu
<b>PC104</b>	Cognitive Flexibility and Need for Cognition in Online Shopping Addiction <u>Tuba İkbâl Yayla</u> , Ayşenur Eren, Elif Cay, Zeynep Yıldız
<b>PC105</b>	The Relationship Between Cognitive Flexibility and Posttraumatic Growth <u>Cansu Aykaç</u> , Nese Direk, Tunç Alkın
<b>PC106</b>	Investigation of the Effect of Emotion Regulation Difficulties on Psychopathy in Women with Psychiatric Diagnosis <u>İbrahim Gökşin Başer</u> , Zeynep Yıldız
<b>PC107</b>	A Study on the Relationship of Negative Mood with the Truth Effect <u>İnayet Dinçer</u> , Feride Zeynalı
<b>PC108</b>	Does Having a Family Member with Dementia Affect Health Beliefs to Change Lifestyle and Health Behavior for Dementia Risk Reduction? <u>Melek Şener</u> , Özlem Küçükgüçlü, Merve Aliye Akyol
<b>PC109</b>	Evaluation of the Relationship Between Menstrual Cycle and Emotional Intelligence Characteristics in Women <u>Hilal Şamandar Aydaş</u> , Merve Kavutlu, Aysun Ayyüce Akdın, Büşra Tüfekçi, Leyla Aydın
<b>PC110</b>	Spectral Analysis Method of Working Memory Performance, Long -Term Memory Performance, Anxiety Level and Depression Level in People with Generalized Seizures and Juvenile Myoclonic Epilepsy <u>Emre Erdoğan</u> , Füsün Ferda Erdoğan, Eda Dağdevir ve Meltem Ünlüsavuran

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