

NEURO 2023

INTERNATIONAL NEUROSCIENCE CONFERENCE



OCTOBER 20-22, 2023



**IVANE JAVAKHISHVILI TBILISI STATE UNIVERSITY
TBILISI, GEORGIA**

PROGRAM



INTERNATIONAL BRAIN
IBRO
RESEARCH ORGANIZATION



FENS



ESN
EUROPEAN SOCIETY FOR
NEUROCHEMISTRY

FRIDAY, 20 OCTOBER

Time:	Arrival and Registration	
08:30-08:45	Opening Remarks	Nasrollah Moradikor (Welcome Messages)
08:45-09:00	History of Neuroscience in Georgia (Mzia Zhvania)	
09:00-10:00	"Dementia: Psychoses or delirium?" (Nino Okribelashvili) Plenary Lecture 1: (Panel Discussion)	
10:15-11:00	"Overview of Parkinson's disease: Current and Future Perspectives" (Yared Z. Zewde) Plenary Lecture 2: (Panel Discussion)	
11:00-11:30	COFFEE BREAK	
11:30-13:30	SESSION 1: (Chair: Prof. Füsün Ferda Erdoğan)	
BASIC NEUROSCIENCE	"The Concept of Neural Networks and Oscillations From the Perspective of An Epileptologist" (Füsün Ferda Erdoğan) Plenary Lecture 3: (Panel Discussion)	
	Stress-related brain changes in adults (Maia Machavariani-Tsereteli)	
	Visual functions as markers of functional state (Irina Shoshina)	
	The neuroprotective effects of rivastigmine on brain edema, blood-brain barrier and neurological score after severe traumatic brain injury in male rat: a behavioral, biochemistry and histological study (Ali Siahposht-khachaki)	
	Investigating the effects of intraperitoneal injection of epicatechin on the extinction and reinstatement period of morphine following the induction of conditioned place preference (CPP) in male rats: a behavioral and histological study (Mohaddese Shafiee-Pour)	
	Insulin resistance as a link between amyloid-beta and tau pathologies in Alzheimer's disease (Prasanth Sopan)	
13:30-14:30	LUNCH	
14:30-16:30	SESSION 2: (Chair: Prof. Duško Kozić)	
CLINICAL NEUROSCIENCE	"Multiparametric Neuroimaging Modalities in Detection of Subtle Brain Changes During Aging and Disease-Induced Neurodegeneration" (Duško Kozić) Plenary Lecture 4: (Panel Discussion)	
	Association between systemic immune-inflammation index and disability among Polish ischemic stroke patients receiving intravenous thrombolysis: a single-center, prospective cohort study (Artur Słomka)	
	Pioneering Progress in Brain Cancer: Uncovering the Latest Innovations and Their Significance (Arnav)	
	Comparing the Artificial Intelligence Detection Models to Standard Diagnostic Methods and Alternative Models in Identifying Alzheimer's Disease in At-Risk or Early Symptomatic Individuals: A Scoping Review (Britty Lee Babu)	
	Pregnancy outcomes in women with multiple sclerosis with or without exposure to disease-modifying treatment: a retrospective cohort in Iranian population (Sepideh Paybast)	
16:30-18:30	SESSION 3: (Poster presentation by participants-Part-1)	

SATURDAY, 21 OCTOBER

08:30-09:30	Plasticity of Myelin (Füsun Ferda Erdoğan) Plenary Lecture 5: (Panel Discussion)
09:30-11:00	SESSION 4: (Chair: Prof. Yared Z. Zewde)
DEMENTIA: THREATS & OPPORTUNITIES	Dementia overview: focusing on risk reduction (Yared Z. Zewde)
	Beneficial effects of levetiracetam in streptozotocin-induced rat model of Alzheimer's disease (Hamid Reza Sadeghnia)
	Pivotal Intersections of Alzheimer's Disease: A Comprehensive Review of GSK3 and TREM2 in Pathogenesis and Therapeutic Interventions (Truong Vinh)
	Usage of Lecanemab: A Captivating Case Report on Dementia Progressing to Alzheimer's Illuminating Varied Therapeutic Approaches (Riddhi Adhyaru)
11:00-11:30	COFFEE BREAK
11:30-13:30	SESSION 5: (Chair: Prof. Sasan Gazerani)
FREE PAPERS PRESENTATION	Gut Microbiome & Brain Diseases. A New Horizon (Sasan Gazerani) Plenary Lecture 6: (Panel Discussion)
	"The Neuroplasticity of Social Interaction: Examining How Others Change Our Functional Self-Processes" Invited Lecture: (Daina Crafa)
	GNB1 encephalopathy with partial epileptic seizures and Todd's paresis (Gurgen Hovhannisyan)
	The role of early swallowing therapy on post-stroke functional outcome and dysphagia recovery (Greta Sahakyan)
	Unleashing the Gut Microbiota-MicroRNA Nexus: Pioneering Treatment Avenues for Multiple Sclerosis (Lalitha Lavanya Shree Shankar)
	Can a common allergy medication hold the key to curing Multiple Sclerosis? Clemastine-A new hope for MS patients (Sachu Anil)
	Parkinson's Disease-taking a new turn with Irisin and Mito DNADx (Rayaan Muhammed Abdulla)
	Robotic Assisted Neuroendovascular Intervention—A Pioneering Event in Neuroscience (Nanda Induresmi Santhosh Kumar)
	Exploring the different non-invasive methods of brain-computer interface: a comprehensive review (Harsha Krishna)
	Mind and Machine: The Dawn of Brain-Computer Interfaces (Roswen Preston Pereira)
13:00-14:30	LUNCH
14:30-16:30	SESSION 6: (Poster presentation by participants-Part-2)

SUNDAY, 22 OCTOBER

09:00-10:00	"Navigating EEG Data Acquisition: From Recording To Brain Mapping" (Golnaz Baghdadi)" Plenary Lecture 7 (Panel Discussion)	
10:00-11:00	SESSION 7: WORKSHOP	
11:00-11:30	COFFEE BREAK	
12:00	CLOSING CEREMONY	

Poster Presentation Schedule:**FRIDAY, 20 OCTOBER (PART-1)**

Time: 16:30-18:30	Presentation Title:	Abstract ID
Ali Siahposht-khachaki	The effects of Minocycline on the neurological and inflammatory factors expression after severe traumatic brain injury in male rats: A molecular and histological study	2023-1011
Ahmad Ghorbani	Linagliptin inhibits the growth of human glioblastoma cells	2023-1013
Otari Chankseliani	A comparative analysis of laser interstitial thermal therapy and gamma knife radiosurgery for trigeminal neuralgia: efficacy in pain relief and complication mitigation	2023-1035
Singh Hriti	Role of probiotics in gut brain axis and management of neurodegenerative disorders	2023-1036
Griheet Reddy	Efficacy of 3,4-Methylenedioxymethamphetamine in the treatment of Post-traumatic stress disorder	2023-1046
Rasha Konane Afthab	Effect of Lecanemab in the treatment of early Alzheimer's disease	2023-1047
Kiren Mohammed Khalid Damodar	Repetitive transcranial magnetic stimulation VS theta burst stimulation for a better treatment of depression	2023-1049
Ahmad Khaleel	Different types of screen behaviour and the development of psychiatric disorders in adolescents and adults in Adjara	2023-1050
Nutsa Archvadze	Evaluating the Effectiveness of Awake Craniotomy versus General Anesthesia in Brain Tumor Resection: A Meta-analysis	2023-1051
Ali Emami	The prevalence of sexual dysfunction and its contributor among Iranian women with multiple sclerosis	2023- 1057
Mohammad Farzipour	Fecal microbiota transplantation in multiple sclerosis, a systematic review	2023-1059
Srijamya	Comparative study of effectiveness of high and low tidal volumes in spinal cord injury	2023-1060
Golareh Mohaghegh Daghigh	The relationship between emotional exhaustion and resilience with depression and anxiety in social functioning: With a schema-based teaching approach	2023-1062

Faramarz Shirani-bidabadi	The effect of intracerebroventricular injection of ghrelin receptor antagonist on the extinction and reinstatement phases following morphine induce conditioning place preference in male rat: a behavioral and biochemical study	2023-1016
Vahid Asgarifard	The effect of GLP-1 agonist (Liraglutide) on the neurological scores, Blood –brain barrier, brain water content and vestibulomotor function after severe traumatic brain injury in male rat: the role of IL-1 β and IL-10	2023-1030
Otari Chankseliani	A comparative analysis of radiosurgery and endoscopic resection for intracranial meningiomas: surgical outcomes and long-term follow-up	2023-1037
Fatema Aliasger Rampurawala	Comprehensive evaluation of Drug Resistant Epilepsy Management with Responsive Neurostimulation Therapy	2023-1063
Lalitha Lavanya Shree Shankar	Linking the chains: Does Addiction amplify the risk of developing Parkinson's disease?	2023-1064
Gia Kutelia	Studying specific biomarkers of post-traumatic stress disorder associated fear memory in rodents	2023-1069
Taha Zendeheel	The antineuroinflammation effects of Nimodipine after severe traumatic brain injury in male rat	2023-1022
Syeda Fatima Zehra	G47 Virotherapy in the Treatment of Glioblastoma- A new microbiological approach to treating a deadly tumor	2023-1100
Luka Doreulee	The effects of magnetic nanoparticles-loaded quercetin on kainic acid-induced animal models of epilepsy	2023-1095

SATURDAY, 21 OCTOBER (PART-2)

Time: 14:30-16:30	Presentation Title:	Abstract ID
Prune Mazer	Preliminary Neurophysiological Findings on Predictive Processing in Individuals with Autistic and Schizotypal Traits	2023-1070
Masoud Mehdizadeh	Effects of transcranial Low-Level Light Therapy in Numerical Cognition	2023-1074
Sergo Gegechkori	The Influence of Cyb5-reductase inhibition on the cholinergic system, epileptiform activity, and behavioral patterns	2023-1084
Shikhar Singh	Neuroscience and Artificial Intelligence	2023-1085
Cinderella Mary Bastine	The Need for Representation of Gender Diversity in Neuroscience	2023-1082
Otari Chankseliani	Comparative assessment of microvascular decompression and gamma knife radiosurgery for trigeminal neuralgia: efficacy in pain alleviation and complication profiles	2023-1040
Ali Emami	The relationship between perceived social support and the severity of illness among patients with multiple sclerosis	2023-1058
Seelam Radhika	A report on the clinical findings of pontine infarction	2023-1086
Chris Mariya Joy Mathew	The Growth of Digital Health Technologies in Neurological Disorders	2023-1089
Nidhi Chandran	Bridging minds and machines: assessing the impact of neuralink's neural interface technology on brain-machine communication	2023-1090

Riddhi Adhyaru	Revolutionizing Stroke Rehabilitation: Harnessing Neuroplasticity, Cutting-Edge Therapies, and Personalized Approaches	2023-1092
Zohra Kamran Rao	A Comprehensive Literature Review on the Efficacy of Stem Cell Therapy for Neurological Disorders	2023-1093
Saniya Ansar Solkar	Untangling Vascular Ties: A Unique Case Report on Carotid Cavernous Fistula	2023-1094
Motahareh Haghipanah	Therapeutic Effects of Japanese Sake Yeast on depressive-Like Behaviors, Oxidative Stress and Inflammatory Parameters in a Rat Model of Global Cerebral Ischemia/Reperfusion	2023-1106
Lizi Kutchukhidze	The interrelation between Parkinson's disease and REM sleep behaviour disorder and its biological correlation to age and sex: systematic review and meta-analysis	2023-1096
Bhaskar Roy	From Disabilities to Possibilities: The Power of Neuroprosthetics	2023-1099
Megha Preethikumari	DeepGlioma Ai: A Novel Ai-Powered System For Glioblastoma Diagnosis And Treatment: Impact On The Medical Industry	2023-1101
Daniya Tasnim	Using Stem Cell Therapy - The upcoming neuro-immuno treatment for ASDs	2023-1102
Akshata Prakash Chavan	Interconnecting neurophysiological factors and gender disparity in depression	2023-1103
Maduri Balasubramanian	analysis and comparison of the human connectome model in brain mapping and the latest advances	2023-1104
Bhavik Krishna Chiluvary	Hearing highs: the melody of mood and cognition in the world of hearing impairment. A systemic review	2023-1088
Sepideh Paybast	Rhino-Sino-Cerebral Mucormycosis Associated with Long-Term Rituximab Therapy in Multiple Sclerosis: A Case Report and Review of the Literature	2023-1079
Ramlah Atif Khan	Effectiveness of Memantine in Alzheimer's	2023-1105