

# 12<sup>th</sup> Edition of International Conference on Neurology and Brain Disorders

Theme: Innovations in Neuroscience:  
Bridging Research and Patient Care



20-22  
OCTOBER  
2025

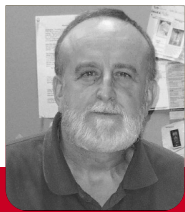
## Our Scientific Committee



**KEN WARE**  
NeuroPhysics Therapy Institute and  
Research Centre, Australia



**ROBERT B SLOCUM**  
University of Kentucky HealthCare,  
United States



**KENNETH B STOREY**  
Carleton University, Canada



**YONG XIAO WANG**  
Albany Medical College,  
United States



**W S EL MASRI**  
Keele University, United Kingdom

## Scientific TOPICS

- Neurodegenerative Diseases and Stress
- Neurological Disorders and Stroke
- Clinical Neurophysiology and Stroke
- Neuropsychology and Addiction
- Alzheimers and Parkinsons Diseases
- Neuroimmunology and Neurological Infections
- Neuropharmacology and Neurochemistry
- Brain Injury and Behavioral Neuroscience
- Cognitive Neuroscience and Psychology
- Neurobiology and Behavior
- Neurosurgery and Spine
- Paediatric Neurology and Epilepsy
- Molecular Genetics and Neurobiology
- Biology of Aging and Neurogenesis
- Molecular and Cell Biology: Neurobiology
- CNS Injury, Repair and Inhibition, Excitation

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**VENUE**

Hilton Garden Inn Lake Buena,  
Vista/Orlando, 11400 Marbella Palm  
Ct, Orlando, FL 32836, United States

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**Ken Ware, NeuroPhysics Therapy Institute and Research Centre, Australia**

Title: The role of beliefs, perception, and behavioural patterns in the evolution of psychophysical disorders

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**Robert B Slocum, University of Kentucky HealthCare, United States**

Title: Title: Narrative medicine: A communication therapy for the communication disorder of Functional Seizures (FS) [also known as Psychogenic Non-Epileptic Seizures (PNES)]

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**Yong Xiao Wang, Albany Medical College, United States**

Title: Novel important cellular responses, signaling mechanisms and therapeutic options in vascular dementia

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**Stephen Grossberg, Boston University, United States**

Title: Towards solving the hard problem of consciousness: The varieties of brain resonances and the conscious experiences that they support

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**Thomas J Webster, Interstellar Therapeutics, United States**

Title: How have we eliminated infection: From the bone to brain?

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**George Diaz, Memorial Healthcare Systems, United States**

Title: A case of vile vindictive primary CNS vasculitis

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**Sergei M Danilov, University of Illinois, United States**

Title: ACE-dependent Alzheimer's Disease (AD)

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**Joe Sam Robinson, Mercer University, United States**

Title: Cervical stenosis-induced chronic cerebrospinal fluid flow restriction as a contributing cause of dementia

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**Kenneth B Storey, Carleton University, Canada**

Title: MicroRNA cues from nature

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**W S El Masri, Keele University, United Kingdom**

Title: Traumatic Spinal Cord Injuries (TSCI) – Are the radiologically based “advances” in the management of the injured spine evidence-based?

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**Antonio Carlo Galoforo, University of Pavia, Italy**

Title: Oxygen-ozone therapy and cognitive frailty: A non-pharmacological approach to potentially resolve immune and inflammatory dysfunctions

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**Juan Moreira, Centro Neurointegrativo Gnosis, Puerto Rico**

Title: Alzheimer's disease counteracted by intravenous antioxidants biosupplements administration

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**Zhenhuan Liu, Guangzhou University Chinese Medicine, China**

Title: Study scalp electroacupuncture therapy for autism spectrum disorder

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**Robert B Slocum, University of Kentucky HealthCare, United States**

Title: Narrative medicine applications for neuro-oncology patient identity and quality of life

**Archit Sonaje, miRcore, United States**

Title: Differential gene expression analysis reveals NF- $\kappa$ B subunit as a potential biomarker for alcohol use disorder

**Gloria Chen, Cornell University, United States**

Title: Variations in neural and cardiac responses to reward processing in parkinson's disease with depressive symptoms

**Sriyaa Suresh, University of Virginia, United States**

Title: Rare bismuth-induced neurotoxicity case report

**Hamna Khuld, Columbia University, United States**

Title: Association between race and cognitive decline in older adults in the United States and Puerto Rico

**John Zakhary, Geauga Medical Center, United States**

Title: Missed warning signs – ruptured cerebral aneurysm in a young, healthy woman

**Rebekah Sung, Fremont Christian School, United States**

Title: Effects of sleep deprivation on alpha power

**Nassim Stegamat, Temple University Lewis Katz School of Medicine, United States**

Title: Mimicking Deep Brain Stimulation (DBS) via minimally invasive chemo-genetic manipulation of the subthalamic nucleus shows a recovery in parkinsonian behavior in rat models

**Jessica Marchant, Texas Woman's University, United States**

Title: Neuroplasticity in motion: Innovative occupational therapy interventions for neurological rehabilitation

**Roger H Coletti, Interventional Health, PA, United States**

Title: Treatment of chronic muscle spasm and pain with the CMECD® procedure

**Liz J Thaliath, Marshfield Clinic, United States**

Title: Transient neurological symptoms and abnormal Magnetic Resonance Imaging (MRI) changes of the brain, following Sugammadex (SUG) reversal of Neuromuscular Blockade (NMB)

**Younok Dumortier Shin, ALAIRED LLC, United States**

Title: Challenges in translating science into medicine in the field of brain health

**Deetya Potakamuri, Adrian Wilcox High School, United States**

Title: The journey to alzheimer's disease diagnosis and beyond through different perspectives

**Evalds Viguls, University of Chicago, United States**

Title: Deciphering astrocytic responses to alcohol in the striatum through combined manual and deep learning methods

**Tanay Panja, Huron High School, United States**

Title: Dementia AI: A low-cost, privacy-preserving mobile application for automated dementia screening using multinomial logistic regression and computer vision

**Ralph G Walton MD, Northeastern Ohio Medical University, United States**

Title: Dietary methanol as a factor in seizures, mood disorders and Autism

**Daniel Curry, Texas Children's Hospital, United States**

Title: Environmental factors mimicking shunt malfunction symptoms in pediatric hydrocephalus: A hidden driver of unnecessary hospital encounters

**Galina Nikolskaya, GNQNC Neurology Clinic, United States**

Title: Video-based endurance and dynamic testing for convergence insufficiency in mTBI: A proof-of-concept study

**Matthew He, Nova Southeastern University, United States**

Title: Mathematical logic of action potentials: Roots of thoughts and zeros of mathematics

**Kendall Lee, Castilleja School, United States**

Title: The effects of music tempo on the episodic memory of pre-school children

**Forough Yazdanian, Harvard Medical School, United States**

Title: Antithrombotic strategies for the secondary prevention of ischemic stroke: A systematic review and network meta-analysis

**Robyn Merkel Walsh, TalkTools, United States**

Title: Tethered oral tissues: Navigating emerging research and clinical controversies

**Di Huang, National Institutes of Health, United States**

Title: Silencer variants are key drivers of gene upregulation in alzheimer's disease

**Ganesh Chapagain, Florida Atlantic University, United States**

Title: Granulocyte Colony Stimulating Factor (G-CSF) gene therapy as a regenerative treatment strategy in BCAA stroke mouse model

**Madhav Lolla, University of Cincinnati, United States**

Title: Mapping visual action representations in the brain via LLaVa-derived semantic features

**Pranati Yadlapalli, Georgia Institute of Technology, United States**

Title: Peripheral nerve injury does not alter VGluT1 synaptic density on Isl1+ premotor interneurons

**John DenBoer, Dementia Prevention Systems, Inc., United States**

Title: Digital therapy for mitigating dementia and mild cognitive impairment: A review of efficacy and applications

**William McCarthy, UTHealth Science Center at Houston, United States**

Title: Accessible solar-compatible Electroencephalogram (EEG) for rural epilepsy diagnostics

**Vedant Mehta, Georgia Institute of Technology, United States**

Title: Facilitating emotional regulation through brain-computer interfaces

**Shweta Kalita, University of Texas Health Center, United States**

Title: Digital health narratives in neuro-oncology: evaluating educational quality through NLP-augmented discern analysis

**Nadia Hossain, Mayo Clinic, United States**

Title: Behavioral variant frontotemporal dementia in the setting of progressive apraxia of speech: A clinico-neuroimaging case-control study

**Ann Marie O Connor, Epilepsy Advocate for Canada, Canada**

Title: A voice for epilepsy

**Abhishek Kumar Gupta, Epsom and St Helier Hospital NHS Trust, United Kingdom**

Title: Teaching neurological emergencies through simulation

**Anwesha Dutta, Newcastle University, United Kingdom**

Title: 3D 7Li magnetic resonance imaging analysis in patients with bipolar disorder

**Abbas Khizar Khoja, University of Nottingham, United Kingdom**

Title: Outcomes and prognostic factors of surgical decompression in neurological foot drop: A systematic review and meta-analysis

**Henry Chahwanda, Individual, United Kingdom**

Title: Social engagement and cognitive functions: An association between religious attendance and cognitive functions in old age

**Ala Bashir, Worcestershire Acute Hospitals NHS Trust, United Kingdom**

Title: A case of probable Progressive Supranuclear Palsy Frontal type (PSP-F) presenting as psychosis

**Nethmi Nuwanji Amarasekera, Imperial College London, United Kingdom**

Title: An audit on the assessment and management of osteoporosis in a parkinson's and related diseases clinic in Australia

**Rachel Earley, Kings College London, United Kingdom**

Title: Increasing Sudden Unexpected Death in Epilepsy (SUDEP) documentation in paediatric epilepsy clinics

**Bilal Amin, University of Cambridge, United Kingdom**

Title: Mitochondrial DNA in glioblastoma: A systematic review

**Kerryn Burgoyne, KTalk, Australia**

Title: Autism & mental health – How different individuals are impacted (my story)

**Eric A Okraha, La Trobe University, Australia**

Title: Investigating the efficacy of cannabis-derived compounds for treatment of parkinson's disease

**Aoun Sebaiti Mehdi, Néocortex Institute, France**

Title: Towards a developmental theory of oscillatory transitions: From theta to beta in subcortico-frontal loops through the lens of ADHD

**Mohammed Abubaker Elnager, Sheikh Khalifa Medical City Ajman, United Arab Emirates**

Title: A typical presentation of miller fisher Syndrome: A case report and review

**Lamar AboAljadel, KSAU, Saudi Arabia**

Title: The association between antibiotic exposure and the incidence of multiple sclerosis: A systematic review and meta-analysis

**Riham Mohsen Essa, Alexandria University, Saudi Arabia**

Title: Neuro-responsive interior design for alzheimer's care: Enhancing daily life in smart therapeutic spaces

**Netra Agarwal, Georgian National University SEU, Georgia**

Title: Clearing the fog: Can senolytics wipe out alzheimer's one cell at a time?

**Hardi Mehta, Georgian National University SEU, Georgia**

Title: The ultimate trojan horse: Nanocarriers breaking through the BBB for glioblastoma

**Vraj Champaneria, Teaching University Geomedi LLC, Georgia**

Title: Paroxysmal dyskinesia: Unraveling the complexities of a rare movement disorder

**Ioana Ciubotarescu, SAIWALA, Romania**

Title : Neurofeedback and TPS for severe depression

**Mako Momoda, Hyogo Institute for Traumatic Stress, Japan**

Title: Validity and reliability of the Japanese behavior rating inventory of executive function-adult version (J-BRIEF-A): Gender differences and age variations in adults

**Humberto Montano Tello, Universidad del Valle de Mexico, Mexico**

Title: Bouchard aneurysm: A call for precaution in stroke treatment

**Gustavo Alves Andrade Dos Santos, Sao Leopoldo Mandic School of Medicine, Brazil**

Title: A new diagnostic perspective for alzheimer's: Salivary p-TAU?

**Tung Liang Lin, Taichung Veterans General Hospital, Taiwan**

Title: Neuropathic foot pain: Therapeutic insights from a biomechanical perspective

**Dawei Zang, Capital Medical University, China**

Title: Clinical efficacy analysis of implantable VNS stimulation rehabilitation therapy for the patients with hemiplegia after ischemic stroke

**Qingyuan Yang, Shanghai Jiao Tong University School of Medicine, China**

Title: STING is significantly increased in high-grade glioma with high risk of recurrence

**Jiying Zhou, The First Affiliated Hospital of Chongqing Medical University, China**

Title: New trends in migraine management: Transcending the traditional divide between acute and preventive treatments

**Jinqian Liang, Peking Union Medical College Hospital, China**

Title: Safety, tolerability and efficacy of ALMB-0166 in the patients with acute Spine Cord Injury (SCI): A multicenter, randomized, placebo-controlled, phase I/II study

**Zemeng Chen, Peking Union Medical College, China**

Title: Harnessing photobiomodulation therapy for alzheimer's disease: A novel approach to neurodegenerative treatment

**Miaoran Lin, Fujian Medical University, China**

Title: Tai chi-induced exosomal LRP1 is associated with memory function and hippocampal plasticity in aMCI patients

**Royal Patel, SVN Institute of Pharmacy, India**

Title: Neuroprotective effect of andrographolide combination with piperine against streptozotocin induced alzheimer's disease



**Waseem Dar, Shiv Nadar University, India**

Title: Aspartame-induced cognitive dysfunction: Unveiling role of microglia-mediated neuroinflammation and molecular

**Prabhakar Tiwari, All India Institute of Medical Sciences, India**

Title: Comprehensive metabolomics profiling identifies novel biomarkers and pathways for early detection and mechanistic insights in alzheimer's disease

**Harshita Singh, Central University of Punjab, India**

Title: Exogenous CGRP mitigates neuroinflammation and cognitive impairment in sepsis-associated encephalopathy via regulating C-Jun N-terminal kinase

**Vineet Kumar Kamal, All India Institute of Medical Sciences, India**

Title: Functional outcomes of traumatic brain injury in India: A multi-centric cohort study (2021-2024)

**Anil Kumar Maurya, Banaras Hindu University, India**

Title: Exploring the role of selenium and selenoproteins in alzheimer's type disease and tau protein regulation: A molecular docking approach

**Abhijit Kantankar, Osmania University, India**

Title: Designing novel chromone derivatives as neuroprotective agents

**T Kishore Kumar, National Institute of Technology, India**

Title: AI based brain computer interface for detecting neurological disorders using EEG signals

**Shradha Kakde, MGM medical college, India**

Title: Stroke- diagnosis and treatment methods

**Ankita Dhall, Tashkent Medical Academy, India**

Title: The effect of stress on cognitive functions of the brain

**Abhishek Palaniappan, Dr. MGR Medical University, India**

Title: Subacute transverse myelitis in an adolescent: A 3-month diagnostic journey with therapeutic implications

**Soniyapriyadharishni Kuppuswamy, Bharath University, India**

Title: Exploring the role of rare non-coding variants in lncRNAs associated with early-onset parkinson's disease: A case-control genomic study

**Jaya Thomas, Amrita Institute of Medical Sciences, India**

Title: Role of serum vitamin D in ADHD

**John Paul Vincent F De Mesa, Ospital ng Makati, Philippines**

Title: Therapeutic Efficacy of GPI-targeted deep brain stimulation in a filipino male with genetically confirmed X-linked dystonia parkinsonism: A case report

**Claudia Maria Revelo Miranda, Universidad de Nariño, Colombia**

Title: Comprehensive approach to improve quality of life in patients with neurocognitive disorders

**Lama Saad El Din Mahmoud, October 6 University, Egypt**

Title: Artificial intelligence and virtual reality kinect rehabilitation in stroke patients with unilateral spatial neglect

**Zawwad Bin Saif, Islamic University of Technology, Bangladesh**

Title: Exploring the prevalence and triggering factors of migraine in university students of Bangladesh using machine learning

**Mohammad Abdullah Hameed, CMH Lahore Medical College, Pakistan**

Title: Parinaud syndrome secondary to a unilateral midbrain infarction triggered by an isolated hypertensive episode: A case report

**Samira Arji, Ibn Tofaïl University, Morocco**

Title: Impact of burnout on executive functions in employees: A case study in a metallurgy company

**Zakaria Abidli, International University of Casablanca, Morocco**

Title: The impact of screen exposure on attention capacities in Moroccan schoolchildren: A neurocognitive approach

**Abdessamad El Hamaoui, Ibn Tofail University, Morocco**

Title: Study of traumatic brain injuries and their consequences on neurocognitive deficits: Clinical analysis and therapeutic perspectives

**Mohammad Reza Kolahchi, Institute for Advanced Studies in Basic Sciences, Iran (Islamic Republic of)**

Title: Frustrated synaptic state for a memory with vast storage

**Afsaneh Nikjooy, Iran University of Medical Sciences, Iran (Islamic Republic of)**

Title: The effects of cognitive behavioral therapy with biofeedback therapy on the quality of life, anxiety, depression and somatic symptoms in patients with dyssynergic defecation: A randomized controlled trial

**Kowsar Bavarsad, Ahvaz Jondishapur University of Medical Sciences, Iran (Islamic Republic of)**

Title: Effects of levothyroxine on learning and memory deficits in a rat model of alzheimer's disease: The role of BDNF and oxidative stress

**Elham Azimzadeh, Shahid Beheshti University, Iran (Islamic Republic of)**

Title: The impact of physical guidance on motor learning in children with cerebral palsy

**Ghorbangol Ashabi, Tehran University of Medical Sciences, Iran (Islamic Republic of)**

Title: Unraveling the neuroprotective and neurotoxic effects of different forms of alpha-synuclein in vascular dementia through behavioral studies in wistar rats

**Amin Ataie, Babol University of Medical Sciences, Iran (Islamic Republic of)**

Title: Polyphenolic antioxidants and neuronal regeneration

**Habibollah Dadgar, Nuclear Medicine Department, Iran (Islamic Republic of)**

Title 1: Targeted alpha- radionuclide therapy with  $^{225}\text{Ac}/^{213}\text{Bi}$ -DOTA-substance P in patients with malignant gliomas

Title 2: A prospective evaluation of hemokine receptor-4 (CXCR4) overexpression in high-grade glioma using  $^{68}\text{Ga}$ -Pentixafor (Pars-Cixafor<sup>TM</sup>) PET/CT imaging

**Sadyk Abdyreshit, Oguz han Engineering and Technology University of Turkmenistan, Turkmenistan**

Title: Evaluating ADS1299EEG-FE methods for noise reduction and real-time EEG streaming in BCI



## Oral Presentations

**Niraj Khatri Sapkota, Tribhuvan University, Nepal**

Title: Depression led pitting edema- A case report

**Vuyelwa Zandile Peter, University of KwaZulu-Natal, South Africa**

Title: Compounded marginalisation: A perspective of caregivers regarding communication disorders at early childhood development centres in South Africa

**Akankunda Veronicah Karuhanga, Golden Age Elderly Homes Kampala, Uganda**

Title: Geriatric care for individuals with neurological & brain disorders in carehomes /assisted living facilities

**Owona Pascal Emmanuel, University of Yaoundé I, Cameroon**

Title: Systems pharmacology and experimental evaluation reveal pterocarpus mildbraedii's effects on behavioral changes, neuroinflammation, and oxidative stress in LPS-induced alzheimer's disease in rats

**Ishiaq Olayinka Omotosho, University of Ibadan, Nigeria**

Title: Trace elements as modulators of oxidative stress markers: Influence on neurotransmitters in neurodevelopmental disorders

*Oral slots are available*

## Poster Presentations

**Divya Jayam, The Wheatley School, United States**

Title: The use of cephalixin to inhibit alpha-synuclein aggregation: A new paradigm in parkinson's disease

**Waleed Bashir, Inspira Health Network, United States**

Title: "No kicking in the body bag": Determination of brain death with the aid of nuclear medicine scintigraphy

**Bryn Taylor, University of Florida, United States**

Title: Racial disparities in access to deep brain stimulation surgery

**Nathan Chang, Branham High School, United States**

Title: A method of diagnosis: Variations in the connection of nodes in triple-network model due to tension

**Bardia Hajikarimloo, University of Virginia, United States**

Title-1: Machine learning-based models in prediction of the radiological outcomes of vestibular schwannoma following stereotactic radiosurgery: A systematic review and meta-analysis  
Title-2: Deep learning-based models for ventricular segmentation in hydrocephalus: A systematic review and meta-analysis

**Yein Tahk, Neuro Youth Club, United States**

Title: Elastic inter-telomeric tethers and UFBs

**Eileen Kim, Mountain View High School, United States**

Title: The effects of sleep deprivation on memory recollection through visual and written representation

**Akhil Medikonda, Dublin Jerome High School, United States**

Title: Using speech acoustics as biomarkers in the early detection of early-onset parkinson's disease

### **Gabriella Thiakos, Vista Ridge High school, United States**

Title: The effect of antioxidants on oxidative stress and amyloid-beta peptide plaques in CL2006 and CL4176 mutated *C. elegans* exhibiting alzheimer's disease symptoms through an analysis of effective increases in motility and mortality rates

### **Hunter Slosser, Kansas City University, United States**

Title: Ollier's disease with grade II astrocytoma case report and brief review of astrocytoma

### **Ambrose Loc Ngo, Kansas City University, United States**

Title: Subacute brainstem infarction in an infant with incidental ectopic lymphoid tissue: A case report

### **Zein Barakat, Lakeland Regional Health, United States**

Title: Incidental diagnosis of enterovirus encephalitis in a cheerleader following head trauma

### **Sophia Wong, Arnold O. Beckman High School, United States**

Title: Blindneuralgen: Synthesizing EEG signals given visual cues to artificially implant sight to the blind

### **Yavuz Durmaz, Virginia Tech Carilion School of Medicine, United States**

Title: The role of local spindles in memory consolidation

### **Daniel Gonzales Portillo, Nova Southeastern University, United States**

Title: A systematic review and meta-analysis on the effect of metformin on glioblastoma multiforme

### **Roshan Amurthur, The Harker School, United States**

Title: Neorhythm: A neurocardiac electrophysiology based explainable EEG and ECG system for detection of neonatal seizures

### **Takreem Ahmed, Cornell University, United States**

Title: Exploring the link between midbrain iron accumulation and cortical lesions in parkinson's disease

### **Sunwoo Choi, Westwood High School, United States**

Title: The effects of different dopamine inductions on adolescent working memory and EEG bands

### **Timothy Choo, Carlmont High School, United States**

Title: How musical tempo affects pre-grade school childrens' episodic memory

### **Aaron Shulkin, Carle Illinois College of Medicine, United States**

Title: Early propranolol administration improves functional outcomes in traumatic brain injury. A systematic review.

### **Silvana Iskandar, Oakland University William Beaumont School of Medicine, United States**

Title: Clinical and ethical challenges in the acute management of a nonverbal adult with cerebral palsy and complex medical comorbidities

### **Mariana M Coelho, Cleveland Clinic Foundation, United States**

Title: Seizures in preterm infants with severe intraventricular hemorrhage: National trends, risk factors, and mortality outcomes (2003-2020)

### Tanishq Kesani, Yuma Regional Medical Centre, United States

Title-1: Diagnostic challenge in post-influenza acute flaccid paralysis in a 48-year-old female: GBS vs viral myositis

Title-2: Atypical vernet syndrome following trauma: The overlooked role of internal jugular vein thrombosis

### Faisal Attiah, Georgetown University, United States

Title: Assessing the role of neurogenesis in learning & memory following exposure to High Frequency Head Impacts (HF-HI) and Controlled Cortical Impacts (CCI)

### Siddhanth Kumar Mekala, University of Missouri, United States

Title: Insulin neuritis presenting as thoracic pseudo-sensory level neuropathy: A rare manifestation of Treatment-Induced Neuropathy of Diabetes (TIND)

### Aneri Patel, Albany Medical College, United States

Title: A clinical approach to managing acute encephalopathy without a diagnostic MRI

### Olessia Jouravlev, Carleton University, Canada

Title: Action concept deficits are embodied in a topographic manner in adults with cerebral palsy: ERP evidence

### Anushka Chavan, University of Warwick, United Kingdom

Title: The management of relapses in relapsing-remitting multiple sclerosis from 2014 to 2024: A systematic review

### Md Zubiar Haque, The Princess Alexandra Hospital NHS Trust, United Kingdom

Title: Uncommon presentation of spontaneous intracranial hypotension in an older adult: A case complicated by bilateral cerebral venous sinus thrombosis

### Sharada Rajendra, The university of Buckingham, United Kingdom

Title: AI-driven predictions in paediatric traumatic brain injuries: Enhancing outcomes with data-driven insights

### Anya Shekhar, Kings College London, United Kingdom

Title: Epigenetic insights into alzheimer's disease: The critical role of DNA methylation

### Patrick Reardon, University of Melbourne, Australia

Title: Gene therapy for paediatric muscular dystrophies: Revolutionizing treatment and future directions

### Laszlo Varga, Netis Informatics Ltd., Hungary

Title: Beyond traditional screening: AI-driven early detection of cognitive disorders and dementia

### Marta Kot, Mossakowski Medical Research Institute Polish Academy of Sciences, Poland

Title: Cell culture preconditioning before transplantation influences the inflammatory response of distant brain regions

### Ivan Sanchis, Universidad Nacional del Litoral, Argentina

Title: Inhibition of human cholinesterases by novel peptides designed using a protein-peptide specificity prediction protocol in Rosetta

**Alvaro Rietmann, Laboratorio de Péptidos Bioactivos, Argentina**

Title: Characterization of peptide-rich secretions from sex-differentiated odontophrynus americanus with cholinesterase inhibitory, antioxidant, and metal chelating activities

**Isao Okunishi, Kinjirushi Co., Ltd, Japan**

Title: Improvement of brain function by wasabi component “hexaraphane”

**Mohamed Hussein, Dubai Medical College for Girls, United Arab Emirates**

Title: Revolutionizing alzheimer’s disease treatment through immunotherapy: The central role of trem2 in microglial activation and neuroimmune regulation

**Aleksandar Sic, University of Belgrade, Serbia**

Title: Stroke in young adults: An overview and non-pharmacological preventive strategies

**Albert Gabriel Turpo Pequena, Catholic University of Santa Maria, Peru**

Title: A theoretical study on the efficacy and mechanism of combined YAP-1 and PARP-1 inhibitors in the treatment of glioblastoma multiforme using peruvian maca *Lepidium meyenii*

**Huiqing Hou, Capital Medical University, China**

Title: Evaluating factor levels of fibrinogen, D-Dimer, and hs-CRP in serum or plasma of patients with ischemic or hemorrhagic stroke

**Li Yang, Zhejiang University School of Medicine, China**

Title: A nested case-control study of plasma-based extracellular vesicles biomarkers of alzheimer’s disease

**Zhi Peng Guo, Capital Medical University, China**

Title: Disrupted topology of superior frontal gyrus in patients with remitted major depressive disorder and their siblings: Potential endophenotype of vulnerability?

**Ekta R Pardhi, National Institute of Pharmaceutical Education and Research, India**

Title: Precisely fabricated monophasic sulpiride–naringin coamorphous system with ameliorated oral bioavailability and antidepressant activity

**Manisha Suri, Central University of Punjab, India**

Title: Pharmacological evaluation of bombesin like peptides in sepsis-induced cerebral injury, inflammation, and cognition in mouse model

**Shani Vishwakarma, Banaras Hindu University, India**

Title: Modulation of trace elements in Indian epileptic patients undergoing antiepileptic drug therapy

**Nidhita, Jaya Arogya Group of Hospitals, India**

Title: An atypical presentation of CNS toxoplasmosis

**Jagjot Singh, GMC Amritsar, India**

Title: Faces, fantasies, and phantoms: A neurological case study on fregoli delusion, erotomania, and incubus syndrome

Title: Pathophysiology and treatment of post-stroke psychiatric disorders: An umbrella review

**Al Jamil M Zacaria, Cotabato Regional and Medical Center, Philippines**

Title: Chorea-hyperglycemia basal ganglia syndrome in a 66-year-old female with uncontrolled type 2 diabetes mellitus: A case report

**Hamzah Naushad Siddiqui, Dow University of Health Sciences, Pakistan**

Title: Phenobarbital versus valproate for generalized convulsive status epilepticus in adults. An updated systematic review and meta-analysis

**Gulchekhra Usmanova, Tashkent Medical University, Uzbekistan**

Title: Prognostic significance of vascular endothelial growth factor changes in the acute phase of hemorrhagic strokes

**Cristal Liriano, Pontificia Universidad Catolica Madre y Maestra, Dominican Republic**

Title: A twist in diagnosis: A young woman's journey from psychiatric symptoms to anti-NMDAR encephalitis with treatment challenges – A case report

**Ajisa Ahmadu, Malawi Liverpool Wellcome Programme, Malawi**

Title: Categorising malarial and non-malarial causes of coma in children admitted to queen Elizabeth central hospital in Malawi

**Mohammad Saleh Ranaiy, Mazandaran University of Medical Sciences, Iran**

Title: Implanting sinoatrial node-like pacemaker cells into the substantia nigra of the brain as a novel therapeutic approach for Parkinson's disease

**Pooyan Alizadeh, Ahvaz Jundishapur University of Medical Sciences, Iran (Islamic Republic of)**

Title: Role of genetic assessment in early-onset epilepsy management

**Poster slots are available**