

10th NEUROLOGICAL DISORDERS SUMMIT 2025

April 28-30, 2025 | Frankfurt, Germany



NH Collection Frankfurt Spin Tower
Güterplatz 1, d-60327 Frankfurt Am Main
Frankfurt, Germany

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Web: www.neurodisordersconference.com

Program

Join the meeting: <https://us06web.zoom.us/j/82904062115?pwd=cfLamwBdWuJ8ArL560Yd5fSa6Kb9wF1>

Meeting ID: 829 0406 2115

Passcode: 454042

08:00-08:30 Registrations & Badge Pickup

08:30-08:40 Introduction

Plenary Session

Chair: Chris Lorson, University of Missouri-Columbia, USA

Co-Chair: Niketa A. Patel, JAH VA Hospital and University of South Florida, USA

08:40-09:25 Role of the Immune T Regulatory Cells in Mood Disorders and Alzheimer's Disease Phenotype as a Therapeutic Target in Altered Gut-brain Axis Cross-talking

Giulio Maria Pasinetti, Icahn School of Medicine at Mount Sinai, USA

09:25-10:10 Deactivation of Peripheral Nerves for the Management of Migraine Headache

Hossein Ansari, University of California, USA

Ali Totonchi, Metro Health Medical Center, USA

Keynote Session

10:10-10:50 The Link Between Vitamin D Deficiency and Peripheral Neuropathy: A Risk Factor?

Jin Jun Luo, Temple University, USA

10:50-11:20 Coffee Break @ Foyer 2

11:20-12:00 A Novel Approach to Diagnose and Treat Neurological Disorders

Rajendra D. Badgaiyan, Texas Tech University Health Sciences Center, USA

12:00-12:40 Intranasal Delivery of Human Adipose Stem Cells Derived Exosomes for Treatment of Traumatic Brain Injury

Niketa A. Patel, JAH VA Hospital and University of South Florida, USA

12:40-12:50 Group Photo

12:50-13:40 Lunch

Special Session: Neuromuscular Disorders

Chair: Rashmi Kothary, Ottawa Hospital Research Institute, Canada

Co Chair: Ravindra N. Singh, Iowa State University, USA

13:40-14:20 Understanding Spinal Muscular Atrophy Gene Regulation Through a Super Minigene

Ravindra N. Singh, Iowa State University, USA

14:20-15:00 SMN-independent Amelioration of Spinal Muscular Atrophy Severity Using JNK Inhibitors

Laxman D. Gangwani, University of Missouri, USA

15:00-15:40 Novel CMT2E Mouse Models with NEFL E397K Mutation Reveal Early Chronic Axonal Neuropathy and Phenotype Rescue via AAV Knockdown and Replace Therapy

Chris Lorson, University of Missouri-Columbia, USA

15:40-16:20 Liver SMN Restoration in Spinal Muscular Atrophy: The Key to Rescue of Whole-body Pathology?

Rashmi Kothary, Ottawa Hospital Research Institute, Canada

16:20-16:35 Young Researcher:

The Role of ZPR1 as a Modifier of ALS4 Disease Severity

Olivia Lesnik, University of Missouri, USA

16:35-17:35 Poster Presentations & Networking Drinks @ Foyer 2

- NDSP-01 **The Role of ZPR1 as a Modifier of ALS4 Disease Severity**
Olivia Lesnik, *University of Missouri, USA*
- NDSP-02 **Monosialoganglioside-containing Nanoliposomes is Neuroprotective in Acute and Chronic Ischemic Stroke Injury in Mice**
Saif Ahmad, *Barrow Neurological Institute, USA*
- NDSP-03 **Exercise Reduces Transthyretin Gene Expression in the Hippocampus**
Misa Nakamura, *Osaka Kawasaki Rehabilitation University, Japan*
- NDSP-04 **The Effect of Ketamine Infusion in the Treatment of Complex Regional Pain Syndrome**
Dajie Wang, *Thomas Jefferson University Hospital, USA*
- NDSP-05 **A Case Study Examining a Neurological Disorder in a Culturally and Linguistically Diverse Early Elementary Student**
Morgan Sekula, *Texas A&M University, USA*
Austin Sekula, *Sam Houston State College of Osteopathic Medicine, USA*
- NDSP-06 **Ferroptosis is Involved in Neurodegenerative Disorders Including Diabetes-associated Cognitive Impairment (DACI)**
Chang Liu, *1st Hospital of Xi'an Jiaotong University, China*
- NDSP-07 **sEEG Based Platform Device for Neural Recordings, Ablation and Targeted Drug Delivery into the Brain**
Aura Kullmann, *NeuroOne, USA*
- NDSP-08 **Endothelial C3a Receptor (C3aR) Mediates Inflammatory Signaling in Murine Stroke**
Saif Ahmad, *Barrow Neurological Institute, USA*
- NDSP-09 **A Case of ME/CFS and Hypothalamic Adrenal Dysfunction Causing Prolonged, General Fatigue after COVID-19 Infection**
Takeshi Takakubo, *Kawasaki Municipal Ida Hospital, Japan*
Yuko Harada, *Kawasaki Municipal Ida Hospital, Japan*

19:00-20:30 Social and Networking Dinner (Ticket Required)

Alzheimer's Disease, Dementia and Mild Cognitive Impairment

Chair: Jing Liang, USC Mann School of Pharmacy & Pharmaceutical Sciences, USA

- 09:00-09:25 **Cortical Neuron Dysfunction Occurs at Early-stage AD in the Absence of β -amyloid Deposition**
Xiu-Ti Hu, Rush University Medical Center, USA
- 09:25-09:50 **The Impact of Pain on the Course of ALD Functioning in Patients with Dementia**
Annelore van Dalen-Kok, Stichting Florence, Netherlands
- 09:50-10:15 **Breakthroughs in Alzheimer's Disease Drug Development**
Jing Liang, USC Mann School of Pharmacy & Pharmaceutical Sciences, USA
- 10:15-10:40 **Effect of Virgin Coconut Oil on Cognition of Individuals with Mild-to-moderate Alzheimer's Disease**
Malika Gayathri Fernando, Macquarie University, Australia

10:40-11:10 Coffee Break @ Foyer 2

- 11:10-11:35 **The Reciprocal Relationship Between the Gut Microbiota, Intermittent Fasting and Alzheimer's Disease**
Songul Sahin, Ondokuz Mayıs University, Turkey
- 11:35-12:00 **Structural Models of Amyloid Beta Oligomers, Protofibrils, and Channels and Their Role in Synaptic Transmission**
H. Robert Guy, Amyloid Research Associates, USA
- 12:00-12:25 **Hellenic National Biobank of Neurodegenerative Diseases**
Sotiria Stavropoulou De Lorenzo, Aristotle University of Thessaloniki, Greece
- 12:25-12:45 **Virtual Talk:**
Novel Therapeutic Options in Major Depression According to a Neuronal Network
Felix-Martin Werner, Grone Gesundheitsakademie Weimar, Germany

12:45-13:45 Lunch

Neurological Disorders: Prevention, Treatments, and Rehabilitation

Chair: Jin Jun Luo, Temple University, USA

- 13:45-14:10 **Determination of the Demyelination Severity in Diabetic Neuropathy with a New Method Based on Electrochemical Aptasensor**
Pinar Kara, EGE University, Turkey
- 14:10-14:35 **A New Approach for Diagnosis and Monitoring of Multiple Sclerosis Based on Electrochemical Nanoaptasensor for MBP Detection**
Marina Serin, EGE University, Turkey
- 14:35-15:00 **Effects of Language Delay on General Psychomotor Development. Children up to 6 Years Old**
Aleksandrs Vasilonoks, University of Latvia, Latvia
- 15:00-15:25 **Gemfibrozil Alleviates Cognitive Impairment by Inhibiting Ferroptosis of Astrocytes via Restoring the Iron Metabolism and Promoting Antioxidant Capacity in Type 2 Diabetes**
Qing Li, The First Affiliated Hospital of Xi'an Jiaotong University, China
- 15:25-15:50 **Quantitative Angio-OCT Scans from Healthy and Maculopathic Human Eyes**
Marco Giovanni Enea Righi, Institute of Neuroscience, CNR-Milan, Italy

Parkinson's Disease & Other Movement Disorders

Chair: Amy S. Shao, Walter Reed National Military Medical Center, USA

- 15:50-16:15 **Developing Modified Dihydromyricetin-compound as a Therapeutic for Anxiety Disorder, ASD, and PTSD with Sleep Problems**
Amy S. Shao, Walter Reed National Military Medical Center, USA
- 16:15-16:40 **Comparative Analysis of Daytime Sleepiness and Associated Factors in Patients with Parkinson's Disease**
K.V. Shevtsova, I. M. Sechenov First Moscow State Medical University, Russian Federation
- 16:40-17:05 **Health Qigong Exercise on Shifting Function in Parkinson's Patients**
Xiaolei Liu, Beijing Sport University, China

End of Day - 2

DAY-03 In-Person

Wednesday, April 30, 2025

Meeting Room: **Taipei 101**

Join the meeting: <https://us06web.zoom.us/j/82904062115?pwd=cfLamwBdWuJ8ArL560Yd5fSa6Kb9wF1>

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Neurological Disorders: Advances in Epilepsy, Stroke, and Multiple Sclerosis

Chair: Yuko Harada, Kawasaki Municipal Ida Hospital, Japan

- 09:00-09:30 **Invited Talk:**
Nonconvulsive Status Epilepticus
Yuko Harada, Kawasaki Municipal Ida Hospital, Japan
- 09:30-09:55 **Therapeutic Approaches Targeting Post-stroke Vascular Remodeling to Promote BBB Maturation: Atorvastatin and Non-invasive Vagus Nerve Stimulation (nVNS)**
Yi Yang, University of New Mexico School, USA
- 09:55-10:20 **Potential Pathophysiological Mechanisms Implicated in NORSE Caused by Viral Agents**
Stavropoulos Athanasios, National and Kapodistrian University of Athens, Greece

Autism and Neurodevelopmental Disorders

Chair: Yuko Harada, Kawasaki Municipal Ida Hospital, Japan

- 10:20-10:45 **Dialogic Reading Effect on Communicative Initiations and Responses for Children with Autism: A Systematic Review**
Hadeel Alharbi, Taibah City for Special Education, Saudi Arabia
- 10:45-11:10 **Hierarchical Brain Dysfunction: A Key Factor in Autisms Restricted Repetitive Behaviors**
Xianwen Dong, The 5th Affiliated Hospital of Zhengzhou University, China
XinXin Cui, The 5th Affiliated Hospital of Zhengzhou University, China
- 11:10-11:35 **Engineering Human Neurons: Building Preclinical Models to Study Treatments for Mental Disorders**
Moritz Mall, German Cancer Research Center, Germany
- 11:35-12:00 **Cyclosporin A Inhibits the Damage of α -synuclein in Neurons of Eclampsia-like Seizure**
Qian Huang, Guangzhou Medical University, China

12:00-13:00 Lunch & In Person Departures

Join the meeting: <https://us06web.zoom.us/j/82904062115?pwd=cflamwBdWuJ8ArL560Yd5fSa6Kb9wF1>

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13:00-13:10 AV Check

13:10-13:15 Introduction

Track-01

Moderator: Yuko Harada, Kawasaki Municipal Ida Hospital, Japan

13:15-13:25 **Poster:** Generalized Chorea in a Young Male with Antiphospholipid Antibody Syndrome (APLA-Ve)
Aashrita Divakar Gurram, Kasturba Medical College, India

13:25-13:45 **Profiling α -synuclein in Parkinson's Disease**
YuHong Fu, University of Sydney, Australia

13:45-14:05 **Mature β -cell Lymphoma with Acute Myelitis as the First Presentation: A Case Report and Literature Review**
Xiaodong Zhang, Neurology Department of Aflited Hospital of North Sichuan Medical College, China

14:05-14:25 **Association of Long-term Blood Pressure Variability with Plasma Neurofilament Light Underlies the Mechanisms in the Comorbidity of Alzheimer's Disease and Cerebral Small Vessel Disease**
Xiaofeng Li, Second Affiliated Hospital of Chongqing Medical University, China

14:25-14:45 **Effects of Health Qigong Exercise on Sleep Quality in Patients with Parkinson's Disease**
Weiyi Yuan, Beijing Sport University, China

14:45-15:05 **Intervention Study on the Effects of Fitness Qigong Exercises on Digestive System Symptoms in Mild-to-moderate Parkinson's Disease Patients**
Hu Weiwei, Beijing Sport University, China

15:05-15:25 **Exploring the Clinical and Genetic Spectrum of Distal Arthrogryposis Type 7**
Evgeniya Melnik, Research Center for Medical Genetics, Russian Federation

15:25-15:45 **Investigation of Comparative Nonword Repetition Performance in Multiple Sclerosis: Group Differences, Subtype Variations, and Severity Effects**
Melis Buse Arslan, Istanbul Atlas University, Turkey

15:45-16:05 **Barking Up the Wrong Tree-motor-sensory Elements as Prodrome in Autism**
Meir Lotan, Ariel University, Israel

16:05-16:25 **Alexithymia and Illness Perceptions in Persons with Multiple Sclerosis and Their Partners: A Dyadic Analysis**
Maria Luca, Centre for Addiction, Adrano, Italy

16:25-16:45 **UBOs and Neurological Involvement in Neurofibromatosis Type 1**
Andrea D. Pratico, University Kore of Enna, Italy

16:45-17:05 **Successful Outcomes with Early Intervention by Combined Comprehensive Approach in Treatment of Autism: A 10 Years Retrospective Study**
Neena Shilen, Sunrise Institute of Medical Sciences, India

17:05-17:15 Break

Track-02

Moderator: Yuko Harada, Kawasaki Municipal Ida Hospital, Japan

Poster Presentations

17:15-17:25 **Efficacy of Plasma Exchange Vs IV Immunoglobulins in Treating Guillian-barre Syndrome: A Comparative Analysis**
Boddu Harshith, S V S Medical College, India

17:25-17:35 **Neurological Disorders: A Comprehensive Review**
Paruchuri Sri Sai Harshini, *Kyrgyz State Medical Academy, Kyrgyzstan*

17:35-17:45 **A Rare Case of Dermoid Cyst / Monodermal Teratoma in Unusual Location**
P Joshithasree, *Sri Venkateswara Medical College, Tirupati*

Oral Presentations

17:45-18:05 **Statin Induced Neurological Dysfunction**
Iain Hargreaves, *Liverpool John Moores University, United Kingdom*

18:05-18:25 **Multi-disciplinary Approach to Evaluate the Efficacy of Combined Treatment of UbisolQ10 and Ashwagandha in a Transgenic Mouse Model of Alzheimer's Disease**
Keanna Dube, *University of Windsor, Canada*

18:25-18:35 Break

18:35-18:55 **In-vitro Model of Subcortical Alzhimers Disease and Neuroprotective Effect of SSRI**
Arubala Reddy, *Texas Tech University, USA*

18:55-19:15 **Brain Rejuvenation via by High Tech Products from Quantum Chinese Medicine**
Shui Yin Lo, *Quantum Health Research Institute, USA*

19:15-19:25 **Poster:**
Parent's Experience of the Diagnosis of Autism Spectrum Disorder
Michelle A Befi, *Catalight Research Institute, USA*

19:25-19:45 **Relationships of Angiogenesis, Fatigue, and Walking Disability in Multiple Sclerosis**
Laura Odom, *Penn State College of Medicine, USA*

19:45-20:05 **Developing a Neuro-educational Model for Inclusion of Children with Autism in Africa**
Charity Neejide Onyishi, *DIPF | Leibniz Institute for Research and Information in Education, Germany*

20:05-20:25 **Identifying Potential Super-agers Using Diffusion MRI Attributes**
Auriel A. Willette, *Rutgers University, USA*

20:25-20:45 **Diverse and Heterogeneous: Often Othered, People with Disabilities Defy Expectations**
Mary Jo Iozzio, *Boston College, USA*

20:45-21:15 **Keynote:**
Gwas & Pharmacogenomic Evidence for Genetic and Epigenetic Correlates of Reward Deficiency Syndrome(Rds) : A New Era in Evidence Based Data
Kenneth Blum, *Western University College of Medicine, USA*

21:15-21:20 Closing Remarks

We wish to see you again

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NDS-2026

July 06-08, 2026 | Boston, MA



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