

Organized by



UNITED

A non-profit organization

Scientific
Group



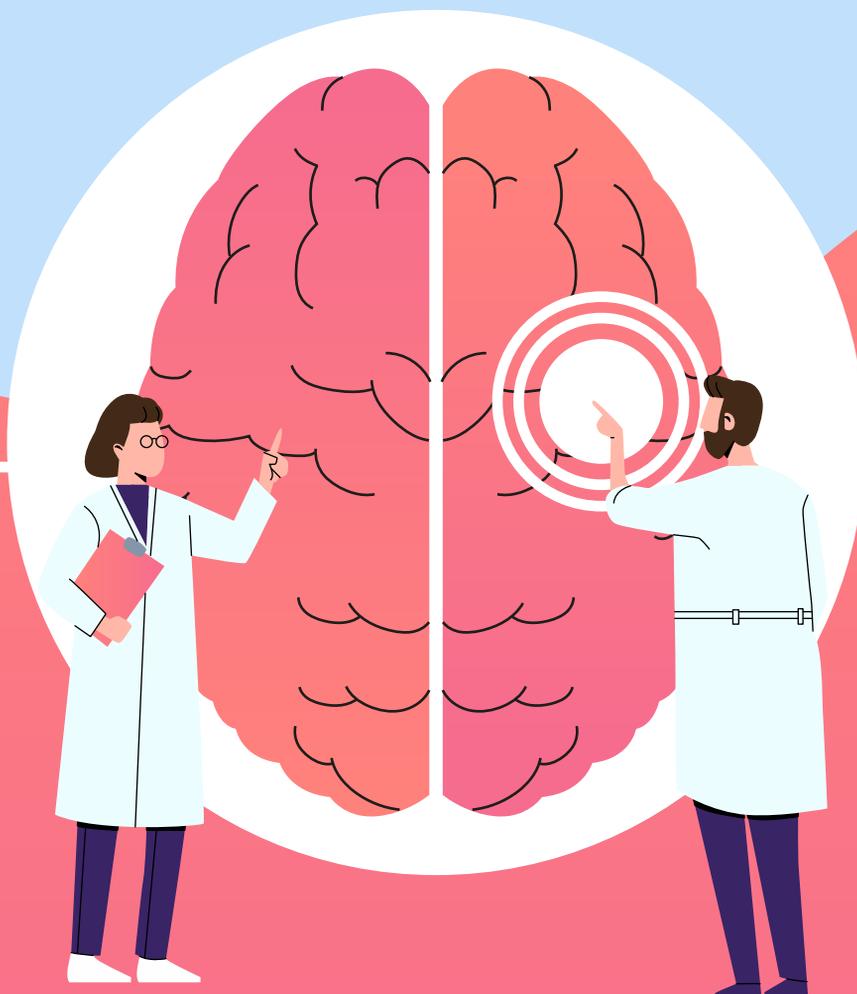
NDS

Barcelona, Spain

Program

9th NEUROLOGICAL DISORDERS SUMMIT-2024

May 06-08, 2024 in Barcelona, Spain



Hotel Occidental Atenea Mar,
Paseo García Faria 37-47,
08019 Barcelona

Email: sswarup@uniscigroup.net; nds@uniscigroup.net
Web: www.neurodisordersconference.com

Join Meeting Link

<https://us06web.zoom.us/j/84998693740?pwd=BZXPPhgZX6evSmWQbc5EKWJBF64Pb0.1>

Meeting ID: 849 9869 3740
Passcode: 102450

08:20-08:45 Registration and Conference Material Collection

08:45-09:00 Introduction

@ MARBELLA

Keynote Session

@ MARBELLA

Chair: Laxman D. Gangwani, University of Missouri at Columbia, USA

09:00-09:40 **Advanced Therapies in Spinal Muscular Atrophy: The Copernican Revolution in Rare Disorders**

Eduardo Tizzano, Vall d'Hebron University Hospital, Spain

09:40-10:20 **Novel Genetic Tools and Emerging Therapeutic Approaches in Inherited Ataxias**

Antoni Matilla Duenas, Germans Trias i Pujol Research Institute (IGTP), Spain

10:20-10:50 **Coffee Break & Social Networking**

@ LOBBY BAR AREA

10:50-11:30 **A Structure-based Approach to Tackle Protein Aggregation in Parkinson's Disease**

Salvador Ventura Zamora, Autonomous University of Barcelona, Spain

Session : Alzheimer's Disease, Dementia and Mild Cognitive Impairment @ MARBELLA

Chair: Soraya L. Valles, University of Valencia, Spain

Co-chair: Niketa A. Patel, University of South Florida, USA

11:30-12:00 **Session Opening Talk: Last Researchers in Neurodevelopment and Neurodegeneration**

Soraya L. Valles, University of Valencia, Spain

12:00-12:40 **Keynote Talk: The Role of T Cells Immunity in Alzheimer's Disease**

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

12:40-13:00 **Structure and Functional Models of Amyloid β 42 ($A\beta$ 42) and α -synuclein Assemblies Containing GM1 Gangliosides**

H. Robert Guy, Amyloid Research Consultants, USA

13:00-13:20 **Targeting Early Genetic Risk Factor During Aging to Improve Brain Metabolism**

Niketa A. Patel, University of South Florida, USA

13:20-14:20 **Lunch**

@ CANELA

Special Session: Neuromuscular Disorders

@ MARBELLA

Chair: Laxman D. Gangwani, University of Missouri at Columbia, USA

Co-chair: Eduardo Tizzano, Vall d'Hebron University Hospital, Spain

14:20-14:50 **Identifying Hidden GEMs in Neurological Diseases**

Udai Pandey, University of Pittsburgh Medical Center, USA

14:50-15:20 **TAR DNA Binding Protein-43 (TDP-43) Pathology Causes Differential Expression of Retrotransposons in a TDP-43-Q331K Mouse Model**

Roger Sher, Stony Brook University, USA

15:20-15:50 **Clinical Measures of Disease Progression in Amyotrophic Lateral Sclerosis Type 4**

Christopher Grunseich, NINDS, National Institutes of Health, USA

- 15:50-16:20 **Mechanism of R-loop-mediated Neurodegeneration in ALS4**
Laxman D. Gangwani, University of Missouri at Columbia, USA
- 16:20-16:40 **Peripheral Organs Defects in Spinal Muscular Atrophy: Actin Dysregulation**
Amy Glynn, SMATHERIA, Germany
- 16:40-17:00 **Dysregulated S-glutathionylation and Redox Enzymes in Multiple Murine Organs of Spinal Muscular Atrophy**
Sofia Vrettou, University of Cologne, Germany

17:00-18:30 **Poster & Networking Drinks** @ LOBBY BAR AREA

- P01 **Screening for Early Biofluid Markers of Alzheimer's Disease in an At-risk Population: Design of the PREDICTOM Study**
Johanna Mitterreiter, Siemens Healthineers, Germany
- P02 **Development of Rapid Large-area Sensing Technology for Early Detection of Alzheimer's Disease**
Jonghyun Oh, Jeonbuk National University, Korea (South)
- P03 **Plasma Astrocytic Biomarker in Patients with Alzheimer's Disease**
Barbara Mroczko, Medical University of Białystok, Poland
- P04 **Mediating and Moderating Effects of Plasma Proteomic Biomarkers on the Association Between Poor Oral Health Problems and Incident Dementia: The UK Biobank Study**
Hind A. Beydoun, University of Texas Health Science Center at Houston, USA
- P05 **Caregiver Strain and Quality of Life: Assessing the Moderating Role of Age Among Caregivers of Offspring with Intellectual and Developmental Disabilities**
Ethel Virginia Sticinski, University of Delaware, USA
- P06 **Mediating and Moderating Effects of Plasma Proteomic Biomarkers on the Association Between Poor Oral Health Problems and Brain White Matter Microstructural Integrity: The UK Biobank Study**
May A. Beydoun, NIA/NIH/IRP, USA
- P07 **Feasibility and Utility of Introducing Handgrip Strength Measurement (for Sarcopenia Assessment) for Outpatients Living with Parkinson's Disease**
Iain Wilkinson, Surrey and Sussex Healthcare NHS Trust, UK
- P08 **Dysregulated S-glutathionylation and Redox Enzymes in Multiple Murine Organs of Spinal Muscular Atrophy**
Sofia Vrettou, University of Cologne, Germany
- P09 **Ectoine Treatment Stimulates Protein Markers of Autophagy Efficiency in the Duchenne Muscular Dystrophy Mouse Model mdx**
Eulàlia Gómez Armengol, Ghent University, Belgium
- P10 **Peripheral Organs Defects in Spinal Muscular Atrophy: Actin Dysregulation**
Amy Glynn, SMATHERIA, Germany
- P11 **Surgical Treatment of Parkinson's Disease After Medication Failure at the Central Military Hospital**
Haddadi Youcef, Central Military Hospital of Algeria, Algeria
- P12 **Management of the Normal Pressure Hydrocephalus at the Central Military Hospital HCA Algiers**
Khelifa Tarek, HCA, Algeria

19:30-21:30 **Social & Networking Event Dinner (Networking Ticket Required)** @ CANELA

Session: Neurological Disorders: Prevention, Treatments, and Rehabilitation @ MARBELLA

Chair: Jeffrey M. Chung, Cedars-Sinai Medical Center, USA

- 08:30-08:50 **Interrogation of the Chlorine Atom in the Atypical Antipsychotic Clozapine and *In-silico* Investigation of Other Potential Pharmacophores in this Context**
Songul Sahin, Ondokuz Mayıs University, Turkey
- 08:50-09:10 **Rate and Predictors of Neurosurgical 30-day Readmission: A Single-center Experience**
Rene Daniel, Thomas Jefferson University, USA
- 09:10-09:30 **Which Frequency Comes First in Intracranial EEG Ictal Onset: High or Low?**
Jeffrey M. Chung, Cedars-Sinai Medical Center, USA
- 09:30-09:50 **Neuromodulation by Upconversion Nanoparticles**
Angelo H. All, Hong Kong Baptist University, Hong Kong
- 09:50-10:10 **Differentiation Between Alzheimer's Disease and Dementia with Lewy Bodies Using Infrared Microscopy of White Blood Cells and Machine Learning Methods**
Shaul Mordechai, Ben Gurion University, Israel
- 10:10-10:30 **Investigating the Effects of Long-term Leucine and Isoleucine Treatment on Cognition and Behavior in Male BALB/c Mice**
Patrick N. Pallier, Queen Mary University of London, UK
- 10:30-10:50 **Impact of Patient Demographics and Insurance Status on Recommendation for Surgery in Glioblastoma A Retrospective Cohort Study**
Bharath Ganesh, Thomas Jefferson University, USA

10:50-11:20 **Coffee Break & Social Networking @ LOBBY BAR AREA**

Session: Parkinson's Disease and Other Movement Disorders @ MARBELLA

Chair: Roberto Di Maio, University of Pittsburgh, USA

- 11:20-11:40 **Health Qigong Exercise on Inhibitory Function in Parkinson's Patients**
Xiaolei Liu, Beijing Sport University, China
- 11:40-12:00 **Insulin and Ranolazine Protective Action After Rotenone Addition on NSC-34 Motor Neuron Cells (Model of Parkinson's Disease)**
Ignacio Campo-Palacio, University of Valencia, Spain
- 12:00-12:20 **Delving into Oxidative Signaling in Parkinson's Disease, Unveiling Intricate Pathways and Novel Pleiotropic Therapeutic Avenues**
Roberto Di Maio, University of Pittsburgh, USA
- 12:20-12:40 **Effect of Health Qigong Exercises on Cardiovascular Symptoms in Patients with Parkinson's Disease**
Jinkai Zhang, Beijing Sport University, China

12:40-13:40 **Lunch @ CANELA**

Chair: Charles R. Joseph, Liberty University, USA

- 13:40-14:00 **Heritable Effects of Moderate Traumatic Brain Injury in Rats**
Anatoly E. Martynyuk, University of Florida, USA
- 14:00-14:20 **Identifying Delay in Glymphatic Clearance of Labeled Protons Post-acute Head Trauma Utilizing 3D ASL MRI (Arterial Spin Labeling): A Pilot Study**
Charles R. Joseph, Liberty University, USA
- 14:20-14:40 **Action of Inflammation and Oxidative Stress in Neural Cells in Primary Culture, APP/PS1 Mice and in aMCI Patients Treatments in Alzheimer's Disease**
Juan Campos Campos, University of Valencia, Spain
- 14:40-15:00 **Inflammation, Oxidative Stress, and Cancer Protein Expressions in a Model of Alzheimer's Disease**
Adrian Jorda Valles, University of Valencia, Spain
- 15:00-15:20 **Inflammation and Oxidative Stress After A β 1-42 Addition and Effects of Ranolazine and/or Insulin in Astrocytes in Primary Culture**
Carlos Manuel Colmena Zaragoza, University of Valencia, Spain
- 15:20-15:40 **Protective Action After Use of TLS Technique in aMCI Patients**
Kenia Alvarez Gamez, University of Valencia, Spain
- 15:40-16:00 **Virtual Talk: Switching of the Default Mode Network is Different in Episodic and Chronic Migraine: Implications for Chronification**
Francesca Pistoia, University of L'Aquila, Italy
-
- 16:00-16:30 **Coffee Break & Social Networking** @ LOBBY BAR AREA

Session: Migraine & Headache and Epilepsy/Stroke/Multiple Sclerosis @ MARBELLA

Chair: Udai Pandey, University of Pittsburgh Medical Center, USA

- 09:00-09:20 **Iron-free Transferrin Improves Sensory Function in an Experimental Model of Intracerebral Hemorrhage**
Alexia Garcia Serran, Autonomous University of Barcelona, Spain
- 09:20-09:40 **CT Perfusion in Acute Ischaemic Stroke and its Overestimation and Underestimation of the Penumbra**
Fathalla Elnagi, Whiston Hospital, UK
- 09:40-10:00 **Factors Influencing Communication and Language Skills in Multiple Sclerosis**
Sotiria Stavropoulou De Lorenzo, AHEPA University Hospital of Thessaloniki, Greece
- 10:00-10:30 **Coffee Break & Social Networking @ LOBBY BAR AREA**

Session: Autism and Neurodevelopmental Disorders @ MARBELLA

Chair: Lilach Shalev, Tel Aviv University, Israel

- 10:30-10:50 **Astrocyte Responses to Postnatal Erythropoietin and Nano-erythropoietin Treatments in a Valproic Acid-induced Animal Model of Autism**
Sara Haratizadeh, Mashhad University of Medical Science, Iran
- 10:50-11:10 **Insecticide and Herbicide Urinary Metabolites in Relation to Neurobehavioral Performance in Ecuadorian Adolescents**
Jose Ricardo Suarez, University of California San Diego, USA
- 11:10-11:30 **The Effects of Postnatal Erythropoietin and Nano-erythropoietin on Behavioral Alterations by Mediating K-Cl Co-transporter 2 in the Valproic Acid-induced Rat Model of Autism**
Sara Haratizadeh, Mashhad University of Medical Science, Iran
- 11:30-11:50 **Training Attention and Cognitive Control Among Individuals with ADHD**
Lilach Shalev, Tel Aviv University, Israel
- 11:50-12:10 **Necessity of Multisensory Therapy in Children with Autism Spectrum Disorders**
Aleksandrs Vasilonoks, University of Latvia, Latvia
- 12:10-12:20 **In-Person Closing Remarks**
- 12:20-13:30 **Lunch and Departure @ CANELA**

13:00-13:20 AV Check

13:20-13:25 Introduction

NDS Track-01

Moderator: Yuko Harada, Shonan Atsugi Hospital, Japan13:25-13:50 **Invited Talk:** Hashimoto Encephalopathy
Yuko Harada, Shonan Atsugi Hospital, Japan13:50-14:10 **Prevention of Cognitive Decline in Alzheimer's Disease by Novel Antioxidative Supplements**
Haruhiko Inufusa, Gifu University, Japan14:10-14:30 **Physical Frailty Trajectories in Older Stroke Survivors: Findings from a National Cohort Study**
Wen Zeng, Peking University, China14:30-14:50 **Research on the Effect of Heart-lung Benefiting Tai Chi on Negative Emotions in College Students**
Zhenying Liu, Beijing Sport University, China14:50-15:10 **Effect of Health Qigong Exercises on Range of Motion in Patients with Parkinson's Disease**
Siqi Tang, Beijing Sport University, China15:10-15:30 **Marula Oil Nanoemulsion Improves Motor Function in Experimental Parkinsonism via Mitigation of Inflammation and Oxidative Stress**
Sawsan A. Zaitone, University of Tabuk, Saudi Arabia15:30-15:50 **What is the Foix-Alajouanine Syndrome?**
Belenky Vadim, ArsVita Clinic, Russian Federation15:50-16:10 **Illness Perceptions and Outcome in Multiple Sclerosis: Dissemination of the Findings from a Published Systematic Review**
Maria Luca, Centre for Addiction, Adrano (Catania), Italy16:10-16:30 **Cognition and Gait in Normal Aging and Neurological disorders**
Antonina Luca, University of Enna "Kore", Italy

16:30-16:40 Break

NDS Track-02

16:40-17:00 **New Development of Antipsychotic Drugs in Schizophrenia**
Felix-Martin Werner, Grone Gesundheitsakademie Weimar, Germany17:00-17:20 **Perceived Social Support, Normalization, and Subjective Well-being Among Family Members of a Child with Autism Spectrum Disorder**
Hamama Liat, Tel Aviv University, Israel17:20-17:40 **Time Varying Analysis of Dynamic Resting-state Functional Brain Network to Unfold Memory Function**
Tahmineh Azizi, University of Wisconsin-Madison, USA17:40-18:00 **Language Deficits Through Development Predicted from rs-fMRI Neural Network Connectivity in Utero**
Roy Eagleson, The University of Western Ontario, Canada

18:00-18:20	Safety of Antidepressant Types Following Traumatic Brain Injury in Elderly Patients: A Retrospective Database Analysis Manvita Mareboina , Penn State College of Medicine, USA
18:20-18:40	A 42-year-old Male with Progressive Muscle Weakness and Joint Contractures Alba Coraini , Mass General Brigham, USA
18:40-19:00	Blocking an Epitope of Misfolded SOD1 Ameliorates Disease Phenotype in a Model of Amyotrophic Lateral Sclerosis Stanislav Engel , Ben-Gurion University of the Negev, Israel
19:00-19:10	Break
NDS Track-03	
19:10-19:30	Assessing Environments for People Living with Dementia: A Review of Tools Migette Kaup , Kansas State University, USA Addie Abushousheh , The Center for Health Design, USA Margaret Calkins , IDEAS Institute, USA
19:30-19:50	Prevention of Strokes by Inventions in Quantum Chinese Medicine Shui Yin Lo , Quantum Health Research Institute, USA
19:50-20:20	Keynote Talk: Hurdles in Anti-amyloid Therapy for Alzheimer's Disease Jin Jun Luo , Temple University, USA
20:20-20:40	Membrane Insertion of Tyrosine-10 Determines Membrane Channel Formation by Unmodified and Pyroglutamylated Amyloid β Peptides Suren A. Tatulian , University of Central Florida, USA
20:40-21:00	How Does Air Pollution Impact Alzheimer's Disease Development? - Lessons Learned from Mouse Study Tao Sun , Cedars-Sinai Medical Center, USA
21:00-21:20	Associations Between Insulin-like Growth Factor-1 and Resting-state Functional Connectivity in Cognitively Unimpaired Midlife Adults Auriel A. Willette , Rutgers University, USA
21:20-21:40	Neurobiological Basis of Bioelectronic Medicine in Treating Pediatric ADHD and Autism Alli San Roman , Temecula Valley High School, USA
21:40-21:50	Closing Remarks

We wish to see you again at

NDS-2025

June, 2025 London, UK

Organized by



UNITED | Scientific
Group
A non-profit organization

USG-United Scientific Group

(A non-profit Organization)

8105, Suite 112, Rasor Blvd, PLANO, TX 75024

Telephone: +1-469-854-2280/81; **Toll Free:** +1-844-395-4102 **Fax:** +1-469-854-2278

Email: sswarup@uniscigroup.net; nds@uniscigroup.net

Web: www.neurodisordersconference.com