Meeting Report

The 9th Neurological Disorders Summit (NDS-2024) organized by United Scientific Group was held from May 06, 2024 to May 08, 2024 in Hybrid mode (In-person & Virtual). 102 attendees from more than 25 countries presented at NDS-2024 over 3 days with 3 keynote lectures, 55 oral and 12 poster presentations. Of the keynote speakers, the opening talk given by Dr. Eduardo Tizzano, Vall d’Hebron University Hospital, Spain on “Advanced Therapies in Spinal Muscular Atrophy: The Copernican Revolution in Rare Disorders”. Dr. Antoni Matilla Duenas, Germans Trias i Pujol Research Institute (IGTP), Spain speaks on “Novel Genetic Tools and Emerging Therapeutic Approaches in Inherited Ataxias”. Dr. Giulio Pasinetti (Presidential Lifetime Achievement Award), Icahn School of Medicine at Mount Sinai, USA presented “The Role of T Cells Immunity in Alzheimer’s disease”. Dr. Jin Jun Luo (Editor-in-Chief: JNEN (Journal of Neurology and Experimental Neuroscience)) from Temple University, USA Lectured “Hurdles in Anti-amyloid Therapy for Alzheimer’s Disease”.

Two invited talks given by Dr. Soraya L. Valles, University of Valencia, Spain and Dr. Laxman D. Gangwani, University of Missouri at Columbia, USA. Dr. Valles speaks on “Last Researchers in Neurodevelopment and Neurodegeneration” while Dr. Gangwani lectured on “Mechanism of R-loop-mediated Neurodegeneration in ALS4”.

A Special session on neuromuscular disorders was organized and chaired by Dr. Laxman D. Gangwani which focused gathering that brings together experts, researchers, and healthcare professionals to discuss and share insights into various aspects of neuromuscular disorders. The special session was Co-chaired by Eduardo Tizzano, Vall d’Hebron University Hospital, Spain. Session opening talk was given by Dr. Udai Pandey, University of Pittsburgh Medical Center, USA speaks on “Identifying Hidden GEMs in Neurological Diseases” followed by Dr. Roger Sher, Stony Brook University, USA lectured on “TAR DNA Binding Protein-43 (TDP-43) Pathology Causes Differential Expression of Retrotransposons in a TDP-43-Q331K Mouse Model”, Dr. Christopher Grunseich, NINDS, National Institutes of Health, USA talk on “Clinical Measures of Disease Progression in Amyotrophic Lateral Sclerosis Type 4”. Two Young researchers Dr. Amy Glynn, SMATHERIA, Germany, and Sofia Vrettou, University of Cologne, Germany were invited by Dr. Gangwani for the special session. Dr. Glynn presented “Peripheral Organs Defects in Spinal Muscular Atrophy: Actin Dysregulation” and Dr. Vrettou talks on “Dysregulated S-glutathionylation and Redox Enzymes in Multiple Murine Organs of Spinal Muscular Atrophy”.

Oral and poster presentations were carried out on various topics including "Alzheimer’s Disease, Dementia and Mild Cognitive Impairment”, “Stroke & Neurotrauma”, "Autism and Neurodevelopmental Disorders", "Neurological Disorders: Diagnostics, Treatments and Rehabilitation", “Stroke, Migraine &
Headache”. Those presentations demonstrated the firsthand findings of basic and/or clinical research which were well appreciated by the participants.

We are also obliged to various delegate experts, company representatives and other eminent personalities who supported the conference by facilitating active discussion forums.

The proceedings of the conference will be published in the Journal of Neurology & Experimental Neuroscience (JNEN).

The Summit has provided an exciting opportunity to showcase research, modern technologies, and the service of the industry to the global audience on neurological disorders. The 10th Neurological Disorders Summit will be held on April 28-30, 2025, in Frankfurt, Germany. We look forward to seeing your presence with your research findings at the next Summit.