



**UNITED** Scientific  
Group  
A non-profit organization



**NVND-2021**  
November 8-9, 2021 | Virtual

3<sup>rd</sup> International Conference on

# NeuroVascular and Neurodegenerative Disorders

November 08-09, 2021 Virtual

Time Zone: Paris Local Time

- 12:30 AV Check  
12:50 Introduction

### Keynote Talks

Moderator: **Wanli Smith**, *Johns Hopkins University School of Medicine, United States*

- 13:00 Neuronal Intranuclear Inclusion Disease (NIID) Caused 2-day Loss of Consciousness  
**Yuko Harada**, *Kawasaki Municipal Ida Hospital, Japan*
- 13:30 Significance of Cortical Cerebral and Cerebellar Micro-Infarcts Detected on 7.0-Tesla MRI in Neurodegenerative and Cerebrovascular Diseases: A Post-Mortem Study  
**Jacques De Reuck**, *Université Lille, France*
- 14:00 AP-2 Prevents Amyloidogenesis via Regulation of BACE1 Trafficking in Neurons  
**Natalia L. Kononenko**, *University of Cologne, Germany*

### Oral Presentations

#### Session: Parkinsons, Neuromuscular Disorders and Motor Neuron Diseases

Chair: **Xiufang (Nadine) Guo**, *Univesity Of Central Florida, United States*

- 14:30 Diffusion Tensor Imaging Reveals Distinct Cerebellar Defects as a Result of Spinal Muscular Atrophy (SMA)  
**Nicholas Cottam**, *Delaware State University, United States*
- 14:50 The Role of Astrocytes in SMA Motor Neuron Synaptic Defects  
**Haiming Luo**, *Huazhong University of Science and Technology, China*
- 15:10 Dissecting the Molecular Heterogeneity of Dopaminergic Neurons in Parkinson's Disease Patients Using Induced Pluripotent Stem Cells (iPSCs) Technology  
**Federica Bono**, *University of Brescia, Italy*
- 15:30 Targeted Precision Therapies for Infantile Parkinsonism  
**Serena Barral**, *University Colledge of London, United Kingdom*
- 15:50 Uncovering the Pathological Role of Astrocytes in SMA  
**Allison Ebert**, *Medical College of Wisconsin, United States*

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#### 16:10 Break

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- 16:30 Mutant TMEM230 Induced Neural Transport Impairment  
**Wanli Smith**, *Johns Hopkins University School of Medicine, United States*
- 16:50 Human-Based Neuromuscular System for Personalized ALS Modeling and Drug Testing  
**Xiufang (Nadine) Guo**, *Univesity Of Central Florida, United States*
- 17:10 Precise Closure of Single Blood Vessels via Multiphoton Photothermolysis  
**Haishan Zeng**, *BC Cancer Research Centre/ University of British Columbia, Canada*
- 17:30 An Association Between Carotid Blood Flow Velocities, Intima Media Thickness and Disability in Multiple Sclerosis  
**Merlisa Kemp**, *Cape Peninsula University of Technology, South Africa*
- 17:50 **Poster:** Vestibular Rehabilitation is the Most Effective Intervention to Improve Balance and Decrease Fatigue in Patients with Multiple Sclerosis: A Network Meta-Analysis.  
**Melanie Giannesini-Gorrichon**, *Hospices Civil Lyon, France*

- 18:00 **Poster:** The Role of Astrocytes in SMA Motor Neuron Synaptic Defects  
**Emily Welby**, *Medical College of Wisconsin, United States*
- 18:10 **Poster:** Genetic Markers as Risk Factors for Impulsive-Compulsive Behavior in Parkinson's Disease Patients on Dopaminergic Therapy  
**Stepan Tikhomirov**, *Lomonosov Moscow State University, Russia*
- 18:20 **Poster:** A Review on Parkinson's Disease Treatment  
**Tori Lee**, *Pacific Union College, United States*
- 18:30 **Poster:** Adiponectin Reduces the Damages Induced by Cerebrospinal Fluid from Patients Affected by Multiple Sclerosis  
**Marta Mallardo**, *Luigi Vanvitelli, Italy*

## Day- 2

Tuesday | November 09, 2021

- 12:00 AV Check
- 12:10 Introduction

### Session: Neurovascular Disorders: Mechanism, Pathophysiology and Epidemiology

Chairs: **Mark B. Zimering**, *Veterans Affairs Medical Center, United States*  
**Wanli Smith**, *Johns Hopkins University School of Medicine, United States*

- 12:20 Novel Insight into The Pathogenesis of Coronavirus Disease-19-Associated Ischemic Stroke: Putting Neutrophil Extracellular Traps into The Spotlight  
**Tjokorda Istri Pramitasuri**, *Universitas Udayana, Indonesia*
- 12:40 The Challenging Clinical Management of Patients with Cranial Dural Arteriovenous Fistula and Secondary Parkinson's Syndrome: Pathophysiology and Treatment Options  
**Julia VELZ**, *University Hospital Zurich, Switzerland*
- 13:00 DOCA-Treated Sabra Hypertensive Rats: A Novel Model for Cerebral Small Vessel Disease with White Matter Hyperintensities and Peripheral Oxidative Stress  
**Reut Guy**, *Tel Aviv University, Israel*
- 13:20 **Poster:** Tranexamic Acid as a Novel Adjunct in the Management of Vessel Perforation During Neurointerventional Procedures  
**Samuel Wreghitt**, *Austin Health, Australia*
- 13:30 Neurovascular 5-Hydroxytryptamine 2A Receptor Agonist Autoantibodies Increase and are a Marker of Severe Covid-19 Infection  
**Mark B. Zimering**, *Veterans Affairs Medical Center, New Jersey, United States*
- 13:50 Hypoxia Couples Dopaminergic Regulation of Locomotor Development and Motor Neuron Synaptogenesis  
**Jong-Hyun Son**, *University of Scranton, United States*
- 14:10 Does the Brush-Sign Reflect Collateral Status and DWI-ASPECTS in Large Vessel Occlusion?  
**Laura MECHTOUFF**, *Hospices Civils de Lyon, France*
- 14:30 Mitochondrial Transplantation a Therapeutic Approach for Neurological Disorders  
**Leila Hosseini**, *Tabriz University of Medical Sciences*

## Session: Diagnosis and Evaluation: Stroke and other Neurovascular Disorders

Chair: **Yuko Harada**, *Kawasaki Municipal Ida Hospital, Japan*

- 14:50 Plasmapheresis Treatment Preliminary Study Results in Neurological Diseases  
**Onder Kemal Soylu**, *Istanbul Bakirkoy research and training hospital for psychiatry, neurology and neurosurgery, Turkey*
- 15:10 Diabetes Models in Mice and Risk Factor of Neurodegeneration  
**Tatiana A. Korolenko**, *Research Institute of Neurosciences and Medicine, Russia*
- 15:30 Rapid Volume Pulsation of the Extracellular Space Coincides with Epileptiform Activity in Mice and Depends on the NBCe1 Transporter  
**Robert Colbourn**, *SUNY Downstate Health Sciences University, United States*
- 15:50 Sex-Dependent Molecular Mechanisms of Lipotoxic Injury in Brain Microvasculature: Implications for Dementia  
**Saivageethi Nuthikattu**, *University of California Davis, United States*
- 16:10 **Poster:** Is There a Difference Between Microglial Activation and Blood Supply in the Three Different Human Brain Regions Linked to Suicids?  
**Marika Garnizone**, *Riga Stradins University, Latvia*
- 16:20 **Poster:** Tianqi Yizhi Granules Improves Cognitive Performance and Inhibits Apoptosis in Senescence-Accelerated Mouse Prone 8 (SAMP8) Mice  
**Yi Zeng**, *School of Traditional Chinese Medicine, Southern Medical University, China*
- 16:30 **Poster:** Effect of Jin Three-Needle Therapy on Quality of Life in Patients with Parkinson's Disease: A Study Protocol for a Multicenter Randomized Controlled Trial  
**Xiaowen Cai**, *School of Traditional Chinese Medicine, Southern Medical University, China*

16:50 Break

## Session: Neurodegenerative Diseases: Prevention, Treatment and Therapeutic Options Epilepsy, Alzheimer's Disease and Dementia: Diagnosis and Prognosis

Chair: **Tatiana A. Korolenko**, *Research Institute of Neurosciences and Medicine, Russia*

- 17:10 Altered Postnatal Development as Premise of Neurodegeneration and Alzheimer's Disease: Experimental Study  
**Ekaterina Rudnitskaya**, *Institute of Cytology and Genetics SB RAS, Russian Federation*
- 17:30 The Role of Alzheimer's Disease Relevant Tau Modifications in Neurodegeneration and Mitochondrial Dysfunction  
**SANJIB GUHA**, *University of Rochester Medical Center, United States*
- 17:50 Investigating the Role of Hydrogen Sulfide in Neurodegeneration: Focus on Amyotrophic Lateral Sclerosis  
**Viviana Greco**, *Catholic University of the Sacred Heart, Italy*
- 18:10 The Regular Intake of Sicilian Honey Prevents Neurodegeneration in Mice with Diet-Induced Obesity  
**Antonella Amato**, *University of Palermo, Italy*
- 18:30 Drug Delivery Strategies to Suppress HIV in the CNS Reservoirs  
**Santosh Kumar**, *University of Tennessee Health Science Center, United States*
- 18:50 MicroRNAs in Breast Cancer Brain Metastases: From Biomarkers Discovery to Targets Identification and Validation  
**Joana Godinho Pereira**, *Universidade de Lisboa, Portugal*
- 19:10 Imaging Neurovascular Abnormalities in Neurodegenerative Diseases  
**Jun Hua**, *Johns Hopkins University School of Medicine, United States*

- 19:30 Novel Therapies for Manganese- Associated Neurodegenerative and Cognitive Leasioning  
**Jack Rogers**, *Masachusetts General Hospital, United States*
- 19:50 Discrimination of Normal Brain Tissue From Dysplastic Tissue in Focal Cortical Dysplasia Using Raman Spectroscopy  
**Trang Tran**, *CRCHUM, Canada*
- 20:10 Pharmacogenetic and Association Studies on the Influence of HLA Alleles and Rivastigmine on the Iranian patients with Late Onset Alzheimer’s Disease  
**Fatemeh Rezaei Rad**, *Tehran University of Medical Sciences, Iran*
- 20:30 Acute and Chronic Synaptic Pathology in Multiple Sclerosis Gray Matter  
**Stella Marasciulo**, *University of Turin, Turin, Italy*
- 20:50 Progressive Reduction in Glymphatic Clearance in a Patient with MCI Developing Over 14 Months  
**Charles R Joseph**, *Liberty University College of Osteopathic Medicine, United States*
- 21:10 **Poster:** De Novo Absence Status Epilepticus in Elderly due to Acute Psychotropic Withdrawal: A Case Report  
**Navnika Gupta**, *University of Nebraska Medical Center, United States*
- 21:20 **Poster:** Co-Occurrence of Apathy and Impulsivity in Progressive Supranuclear Palsy  
**Zi Qi Kok**, *University of Cambridge, United Kingdom*

We wish to see you again

at

**NVND-2022**



**USG-United Scientific Group**

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