3rd International Conference on NeuroVascular and Neurodegenerative Disorders
November 08-09, 2021 Virtual
Time Zone: Paris Local Time
Day- 1

Monday | November 08, 2021

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, University 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 College of London, United Kingdom

15:50  Uncovering the Pathological Role of Astrocytes in SMA
Allison Ebert, Medical College of Wisconsin, United States

16:10  Break

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, University 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

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

# Session: Neurodegenerative Diseases: Prevention, Treatment and Therapeutic Options

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

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