

PROGRAM

8th

NEUROLOGICAL DISORDERS SUMMIT **2023**

June 12-14, 2023 | In-person | Rome, Italy | Online

Hotel NH Collection Roma Centro,
Via dei Gracchi,
324, 00192 Roma RM, Italy



Meeting joining link:

<https://us06web.zoom.us/j/87262686285?pwd=WWQvUzVFdHAXZUZnSVpmNWlUck14QT09>

Meeting ID: **872 6268 6285**

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08:30-09:00 Registration and Conference Material Collection

09:00-09:10 Introduction

Keynote

CAMPIDOGLIO

Chair: Laxman Gangwani, University of Missouri at Columbia, USA09:10-09:50 **Future Treatment of Neurodegenerative Diseases; Why Multi-target Novel Drugs**
Moussa B.H. Youdim, Youdim Pharmaceuticals, Israel**Biography**

Moussa B. H. Youdim is an internationally reknown Israeli neuroscientist specializing in neurochemistry and neuropharmacology. He is the discoverer of both monoamine oxidase (MAO) B inhibitors l-deprenyl (Selegiline) and rasagiline (Azilect) as anti-Parkinson drugs which possess neuroprotective activities. He is currently Professor Emeritus at Technion - Faculty of Medicine and President of Youdim Pharmaceuticals.

09:50-10:30 **Role of Hematopoietic Cells in Gut Microbiome Mediated Immunity in Alzheimer's Disease Modifying Strategies****Giulio Pasinetti**, Icahn School of Medicine at Mount Sinai, USA**Biography**

Giulio Maria Pasinetti, the Saunders Family Chair and Professor of Neurology, received an M.D. from the Milan University School of Medicine and a Ph.D. from the University of Milan. He is currently the Program Director of the NIH funded Mount Sinai Center for Molecular Integrative Neuroresilience and the Chief of the Brain Institute Center of Excellence for Novel Approaches to Neurodiagnostics and Neurotherapeutics. He is also a Professor of Psychiatry, of Neuroscience, and of Geriatrics and Adult Development. Dr. Pasinetti is the recipient of several academic awards including the prestigious Zenith and Temple awards from the Alzheimer's Association. Most recently, Dr. Pasinetti was awarded "The Faculty Council Award" for academic excellence at Mount Sinai School of Medicine and "The Charles Dana Alliance for Brain Research Award" from Dana Foundation, recognizing productivity and worldwide leadership in his field of expertise, which further emphasizes his standing as an academic role model.

10:30-10:50 **Break & Networking**

FOYER AREA

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

CAMPIDOGLIO

Chair: Giulio Pasinetti, Icahn School of Medicine at Mount Sinai, USA10:50-11:20 **Invited Speaker**
The Contribution of Modern Neurophysiological Techniques for Early (Prodromal Stage) Diagnosis of Dementia**Paolo Maria Rossini**, IRCCS San Raffaele Roma, Italy11:20-11:45 **Synergistic Effect of SARS-CoV-2 and APOE Variants in Human Cerebral Organoid**
Jinchong Xu, Johns Hopkins University School of Medicine, USA11:45-12:10 **Some Structural Modifications to Donepezil to Improve Inhibitory Activity Against AChE and In-silico Medicinal Evaluations****Songul Sahin**, Ondokuz Mayıs University, Turkey

12:10-12:35	Identifying Preclinical Alzheimer Disease and Correlation with Blood Brain Barrier Breakdown and Reduced Glymphatic Flow Using 3D ASL MRI Charles R. Joseph , Liberty University College of Osteopathic Medicine Lynchburg, USA	
12:35-13:05	Invited Speaker Treatment Approaches Using the APPNL-G-F Mouse Model of the Familial Version of Alzheimer's Disease Robert J. McDonald , University of Lethbridge, Canada	
13:05-14:00	Lunch	RESTAURANT
Session : Parkinson's Disease and Other Movement Disorders		CAMPIDOGLIO
Chair: Giulio Pasinetti, Icahn School of Medicine at Mount Sinai, USA		
14:00-14:25	Regulation of NO/ROS Redox Signaling via 8-nitro-cGMP Formation by nNOS Splice Variants and its Potential Involvement in Parkinson's Disease-like Neurotoxicity Shingo Kasamatsu , Osaka Metropolitan University, Japan	
14:25-14:55	Invited Speaker R-loop-mediated Neurodegeneration in Neuromuscular Disorders Laxman Gangwani , University of Missouri at Columbia, USA	
14:55-15:20	Tele-rehabilitation Project in Patients with Severe Brain Injuries Outcome Using Khymeia Virtual Reality Programs Ylenia Tripovic , Centro Adelphi, Italy	
Session : Neurological Disorders: Prevention, Treatments and Rehabilitation		CAMPIDOGLIO
Chair: Laxman Gangwani, University of Missouri at Columbia, USA		
15:20-15:45	The Neuroprotective Effect of a miR-96-5p Inhibitor: Delivery to Brain via the Blood Brain Barrier Chisato Kinoshita , Teikyo University School of Medicine, Japan	
15:45-16:10	Newborn Screening for Duchenne Muscular Dystrophy R. Rodney Howell , University of Miami, USA	
16:10-16:30	Break & Networking	FOYER AREA
16:30-16:55	A Plea for Implementing the Use of Sex and Gender Variables in Biomedical and Health Research Patrick N. Pallier , Queen Mary University of London, United Kingdom	
16:55-17:20	Perioperative Management of Spine Infections and Tumors Rene Daniel , Thomas Jefferson University, USA	
17:20-17:45	Infrared Microscopy of White Blood Cells Based Machine Learning Methods: Differentiation Between Alzheimer's Diseases and Dementia with Lewy Bodies Shaul Mordechai , Ben-Gurion University, Israel	
17:45-18:30	Drinks & Networking	FOYER AREA

Session : Stroke, Neurotrauma and Neurobehavioral Disorders

CAMPIDOGLIO

Chair: Maria Vittoria Podda, Università Cattolica del Sacro Cuore, Italy

- 09:00-09:25 **Effects of Surgery, Traumatic Brain Injury and Anesthesia Interact to Induce Neurological Abnormalities in Young Adult Male Rats and Their Future Unexposed Male Offspring**
Anatoly E. Martynyuk, University of Florida, USA
- 09:25-09:50 **Progressive Microvascular Failure after Revascularization: A Meta Analysis**
Eleonora F. Spinazzi, Columbia University Irving Medical Center, USA
- 90:50-10:15 **The Efficacy of Hyperbaric Oxygen Therapy in Traumatic Brain Injury Patients: Literature Review and Clinical Applications**
Shai Efrati, Tel-Aviv University, Israel
- 10:15-10:35 **Break & Networking** **FOYER AREA**
- 10:35-11:00 **Matrix Metalloprotease-9 (MMP-9) Inhibition Attenuates Ischemic Stroke Damage in Rodents When Given at the Time of Reperfusion: An Adjunct to Mechanical Thrombectomy?**
Robert Singer, Menorah Medical Center, USA
- 11:00-11:25 **Ischemic Stroke during Bevacizumab Treatment**
Stavropoulou De Lorenzo Sotiria, AHEPA University Hospital, Greece
- 11:25-11:50 **Physical Exercise Therapy for Autoimmune Neuroinflammation: Application of Knowledge from Animal Models to Patient Care**
Ofira Einstein, Ariel University, Israel
- 11:50-12:15 **MRI Findings and the Occurrence of Posttraumatic Epilepsy – A Ten-year Cohort in Central Norway**
Rabea Iris Pantelatos, Norwegian University of Science and Technology, Norway
- 12:15-12:40 **Non-invasive Approaches to Promote Functional Recovery in a Preclinical Model of Cortical Stroke**
Maria Vittoria Podda, Università Cattolica del Sacro Cuore, Italy
- 12:40-13:40 **Lunch** **RESTAURANT**

Session : Autism and Neurodevelopmental Disorders

CAMPIDOGLIO

Chair: Igor Khaliulin, The Hebrew University of Jerusalem, Israel

- 13:40-14:05 **The Synaptic Phenotype of Male and Female Transgenic Mouse Models of Autism Spectrum Disorder. What is the Difference?**
Igor Khaliulin, The Hebrew University of Jerusalem, Israel
- 14:05-14:30 **Hypoplasia of Dopaminergic Neurons by Hypoxia-induced Neurotoxicity is Associated with Disrupted Swimming Development of Larval Zebrafish**
Jong-Hyun Son, University of Scranton, USA
- 14:30-14:55 **The Sensory Accommodation Framework for the Design of Accessible and Assistive Technologies for Autism**
LouAnne Boyd, Chapman University, USA
- 14:55-15:20 **Neuroradiological Signature of Moderate Perinatal Hypoxia in the Rat Brain: Volumetric and Microstructural Changes Detected by *In-vivo* MRI**
Matea Drlje, Croatian Institute for Brain Research, Croatia (Hrvatska)

15:20-15:45 **Breaking the Silence: Communicating with Photo Elicitation**
Kharon Grimmer, Purdue University, USA

15:45-16:45 Poster Session, Coffee & Networking **CAMPIDOGLIO**

- P-01 **Microarray Profiling Identifies Novel Circulating Noncoding RNAs in MCI**
Concetta Montanino, University Luigi Vanvitelli, Italy
- P-02 **3D Virtual Reality Prism Adaptation Simulation System for Hemispatial Neglect**
Ju Kang Lee, Gachon University Gil Medical Center, South Korea
- P-03 **Acceleration and Induction of Alzheimer's Neuropathology as an Effect of the Western Type of Nourishment**
Anna Mietelska-Porowska, Nencki Institute of Experimental Biology, Poland
- P-04 **Chronic Fipronil and Pyriproxyfen Exposure Leads to Short-term Effects on Anxiety and Locomotor Activity in a Zebrafish Model for Autism Spectrum Disorder**
Robea Madalina-Andreea, A.I.Cuza University of Iasi, Romania
- P-05 **DNA Glycosylases Regulating Neuroinflammation in Alzheimer's Disease**
Milena Egiazarian, Norwegian University of Science and Technology (NTNU), Norway
- P-06 **Exogenous A β 1-42 Monomers Improve Synaptic and Cognitive Function in Alzheimer's Disease Model Mice**
Xiaohua Cao, East China Normal University, China
- P-07 **ASM-targeting ISU203 Improves Cognitive Memory via the Combined Effect by Affecting both Microglial Cells and Th17 Immune Cells Indirectly in APP/PS1 Mouse Model**
Hosuk Lee, ISU ABXIS, South Korea
- P-08 **Recollection of Inaccessible Memories Among Patients Suffering from PTSD Receiving Hyperbaric Oxygen Therapy**
Keren Doenyas-Barak, Shamir (Assaf Harofeh) Medical Center, Israel
- P-09 **Motor Performance at Three Months Post Stroke Predicts Cognitive Functioning up to Two Years Follow-up**
Sonja Verstraeten, Maxima Medisch Centrum, Netherlands
- P-10 **Identification of *Tau* Nucleation Core and its Roles for Driving *Tau* Pathology in Alzheimer's Disease**
Jung Hoon Lee, Seoul National University, South Korea
- P-11 **Neuroprotective Agents Based on RNA m6A Regulation**
Mati Karelson, University of Tartu, Estonia
Neinar Seli, University of Tartu, Estonia
- P-12 **Two Point Discrimination Test in the Oral Cavity**
Ayman Mustafa, Qatar University, Qatar
- P-13 **Innovative Stereoelectroencephalography - Guided Radiofrequency Ablation System - *In-vivo* Swine Evaluation**
Mary McNeil, NeuroOne Medical Technologies, USA
- P-14 **Trauma-induced Onset of Non-intractable Epilepsy in a Patient with ACC: A Case Study**
Aruna Jain, Michigan State University, USA
- P-15 **Identification of the *Tau* Nucleation Core and its Pathogenic Role in Alzheimer's Disease**
Min Jae Lee, Seoul National University, South Korea
- P-16 **BPA Effects on BK Channel Surface Expression in HEK-293 Cells**
Ruth D. Gonzalez Bermejo, University Of Puerto Rico - Cayey Campus, USA

- P-17 **Effects of Polystyrene Microplastics on HEK-293 Protein Expression of BDNF & TrkB**
Jovangelis P. Gonzalez, University of Puerto Rico - Cayey Campus, USA
- P-18 **NPTX2 Loss of Function and Schizophrenia**
Meifang Xiao, Johns Hopkins University School of Medicine, USA
- P-19 **The Potential Use of Golgi Staining Method to Study Neurological Disorders**
Sami Zaqout, Qatar University - College of Medicine, Qatar
- P-20 **Clinical Application of Vasodilators in the Acute Phase of Ischemic Stroke**
Sheng-nian Zhou, Shandong University, China

09:00-09:20 AV Check

09:20-09:25 Introduction

NDS Track-01

09:25-09:35

Short Talk**Stroke and Its Management****Krishna Priya**, Guntur Medical College, India

09:35-09:45

Short Talk**A Case Report of Myasthenia Gravis in HIV Patients****Sanath Reddy**, Kakatiya Medical College, India

09:45-10:00

Research on the Influence of Aerobics on the Static Balance Ability of People with Moderate Intellectual Disability**Zhenying Liu**, Beijing Sport University, China

10:00-10:15

Effect of Health Qigong Combined Dance on Exercise-induced Emotion of Middle and Old - Aged Women**Zhuping Ren**, Beijing Sport University, China

10:15-10:35

Effect of Health Qigong Exercises on Heart Rate Variability in Patients with Parkinson's Disease**Xiaolei Liu**, Beijing Sport University, China

10:35-10:55

Mechanism of Curcumin in Mitigating Oxygen-glucose Deprivation/reperfusion-induced Endothelial Cell Injury through JAK/STAT3 Pathway**Wei Li**, The Second Affiliated Hospital of Kunming Medical University, China

10:55-11:15

GABRB2, a Key Player in Neuropsychiatric Disorders and Beyond**Hong XUE**, Hong Kong University of Science and Technology, China

11:15-11:30

Effect of Fitness Qigong on Gait of Patients with Parkinson's Disease**Bi Caiyi**, Beijing Sport University, China

11:30-11:45

Effect of Health Qigong Exercise on Lower Limb Flexibility of Patients with Parkinson's Disease**Zhe Zhang**, Beijing University of Civil Engineering and Architecture, China

11:45-12:00

Effects of Traditional Chinese Exercise on the Physical and Mental Health of Stroke Patients: A Meta-analysis Based on Randomized Controlled Trail**Jingyuan Han**, Beijing Sport University, China

12:00-12:05

Break

NDS Track-02

Moderator: Yuko Harada, Kawasaki Municipal Ida Hospital, Japan

12:05-12:25

A Pooled Analysis of Preoperative Inflammatory Biomarkers to Predict 90-day Outcomes in Patients with an Aneurysmal Subarachnoid Hemorrhage: A Single-center Retrospective Study**Fa Lin**, Capital Medical University, China

- 12:25-12:40 **Effect of Health Qigong Exercises on Attention Ability in Patients with Parkinson's Disease**
RuiKe Jiang, Beijing Sport University, China
- 12:40-13:00 **"Paralysis in Young Patients"?**
Yuko Harada, Kawasaki Municipal Ida Hospital, Japan
- 13:00-13:20 **Pharmacotherapy of Schizophrenia According to Single Nucleotide Polymorphisms of Risk Genes in Schizophrenia**
Felix-Martin Werner, Grone Gesundheitsakademie Weimar, Germany
- 13:20-13:40 **Oropharyngeal Dysphagia as the Main Expression of Amyotrophic Lateral Sclerosis**
Margarita Rugaitiene, Lithuanian University of Health Sciences, Lithuania
- 13:40-14:00 **Insulin Growth Factor Works Synergistically with Dopamine to Attenuate Diabetic Retinopathy by Downregulating Vascular Endothelial Growth Factor**
Madhumita P. Ghosh, Amity Institute of Biotechnology, India
- 14:00-14:20 **Effect of 660/850 nm LED on the Microcirculation of the Foot – Neurovascular Biphasic Reflex**
Claudia Maria Duarte de Sá, Private office, Brazil

14:20-14:25 **Break**

NDS Track-03

Moderator: Wanli Smith, Johns Hopkins University School of Medicine, USA

Keynote

- 14:25-15:00 **Alzheimer's Disease: Advances in Treatment and Care**
Jin Jun Luo, Temple University, USA
- 15:00-15:20 **Evaluating Frontoparietal Network Topography for Diagnostic Markers of Alzheimer's Disease**
Bayard Rogers, University of Glasgow, United Kingdom
- 15:20-15:40 **Long COVID: Literature Review and Comparison of Impacts, and Pathophysiology, to Neurological Disorders Including Chronic Fatigue Syndrome/Myalgic Encephalitis, Multiple Sclerosis and Dementia**
Valerie L. Jewells, University of North Carolina, USA
- 15:40-16:00 **Non-pharmacological Therapeutic Strategies for Alzheimer's, Parkinson's and Huntington's Diseases**
Suren A. Tatulian, University of Central Florida, USA
- 16:00-16:20 **Selective PPAR Activation Improves Behavioral Deficits and Pathology in Alzheimer's Disease Animal Model**
Rajesh H. Amin, Auburn University, USA
- 16:20-16:40 **A Perspective Study on Applying the Science of Spaceflight in the Rehabilitation of Post Stroke Patients: Insights About the TheraSuit Method®**
Rose Lampert, University of Southern Santa Catarina - Unisul, USA
- 16:40-17:00 **G2019S-LRRK2 Induces Neurovascular Abnormalities in a Mouse Model of Parkinson Disease**
Wanli Smith, Johns Hopkins University School of Medicine, USA

17:00-17:05 **Break**

NDS Track-04

- 17:05-17:25 **Relationship of Length of Disease and Levels of Anxiety and Depression in Persons with Multiple Sclerosis during the COVID-19 Pandemic**
Laura K. Odom, Penn State University College of Medicine, USA

- 17:25-17:45 **Prevention of Dementia, Alzheimer's Diseases, Solid Water Particles, and Quantum Chinese Medicine**
Shui Yin Lo, Quantum Health Research Institute, USA
- 17:45-18:05 **Nuclear Receptor Corepressors in Autism and Intellectual Disability**
Zheng Sun, Baylor College of Medicine, USA
- 18:05-18:25 **Modeling Alzheimer's Disease Utilizing Human iPSC-cortical Neurons on MEA**
Xiufang (Nadine) Guo, University of Central Florida, USA
- 18:25-18:45 **Association Between Inflammatory Conditions and Alzheimer's Disease Age of Onset in Down Syndrome**
Florence Lai, Harvard Medical School, USA
- 18:45-19:05 **Down Syndrome and Dementia: Monitoring Cognition and Clinical Change**
Jordan Harp, University of Kentucky College of Medicine, USA
- 19:05-19:25 **Multiprong Targeting with a Combination of Water-soluble CoQ10 and Ashwagandha Extract to Halt Progression of Neurodegenerative Diseases**
Siyaram Pandey, University of Windsor, Canada
- 19:25-19:45 **Gene Therapy for Granulocyte-colony Stimulating Factor Against Global Ischemia**
Janet Menzie-Suderam, Florida Atlantic University, USA
- 19:45-20:05 **Mitochondria Transfer for Intercellular Communication and Stroke Therapy**
Kazuhide Hayakawa, Harvard Medical School, USA
- Keynote**
- 20:05-20:40 **Overcoming the Current Global Addiction Crisis via Genetic Addiction Risk Testing and Non-pharmacological Induction of "Dopamine Homeostasis"**
Kenneth Blum, Western University Health Sciences, USA
- 20:40-20:50 **Short Talk**
Leqembi (lecanemab) - a Break-through in the Treatment of Alzheimer's Diseases
Mohammed Quader, Ayaan Institute of Medical Sciences, India
- 20:50-21:10 **Experimental Rat Model of Neurocysticercosis: New Perspectives for the Control of Inflammation**
Edda Lydai Sciuotto Conde, Instituto de Investigaciones Biomédicas UNAM, México

E-Poster

- 21:10-21:20 **Association Between Complex Treatment of Oropharyngeal Dysphagia and the Risk of Aspiration Among Geriatric in Patients**
Margarita Rugaitiene, Lithuanian University of Health Sciences, Lithuania
- 21:20-21:30 **Behavioral Symptoms in Patients with Mild Cognitive Impairment: Preliminary Results of Cohort Study**
Nikita Cherkasov, FSBSI Mental Health Research Centre, Russian Federation
- 21:30-21:40 **Neuroprotective Effect of Argon, Krypton Inhalation in Photothrombosis Stroke**
Iyubomudrov Maksim Alexeevich, V. A. Negovsky Research Institute of General Reanimatology, Russia
- 21:40-21:50 **Cerebrolysin Reduces the Risk of Conversion from aMCI to Dementia in First-degree Relatives of Patients with Alzheimer's Disease: A Prospective Comparative Study**
Elena Ponomareva, Mental Health Research Center, Russia
Vetlana Gavrilova, Mental Health Research Center, Russia

We wish to see you in

NDS-2024

April 15-17, 2024
Rome, Italy



USG-United Scientific Group

(A non-profit Organization)

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