

Program

2nd Neurological Disorders Summit

September 07-09, 2016

Venue

The DoubleTree by Hilton Baltimore-BWI Airport Hotel
Baltimore, MD, USA

08:00-08:45	Registrations	@ Pre-Function Area
08:45-09:00	Introduction to NDS-2016	

Moderator: Rajendra Badgaiyan, University of Minnesota, USA

Keynote Session

@ Annapolis | Harbor

09:00-09:35 **Advances in Neuroimaging and Their Application to Schizophrenia and Mild Traumatic Brain Disorder**
Martha Shanton, Harvard Medical School, USA

09:35-10:10 **Mitochondrial Transport: New Insights and Implications in Neuronal Degeneration and Regeneration**
Zu-Hang Sheng, NIH/NINDS, USA

10:10-10:45 **Synesthesia and the Creative Spark**
Richard E Cytowic, George Washington University, USA

10:45-11:00 **Coffee Break & Book Signing by Richard E Cytowic** @ Main Hallway

11:00-11:35 **At the Crossroads between Promotion of Health and Prevention of Age-Related Neurodegeneration with Natural Drugs to Avoid the Catastrophic Cliff of Neuronal Failure**
Giulio Maria Pasinetti, Icahn School of Medicine at Mount Sinai, USA

11:35-12:10 **Opioid Reward Mechanism: A Potential Role in Metabolic Disturbances?**
Igor Elman, Wright State University, USA

12:10-12:45 **First Case of Brain Protection in Out of Hospital Cardiac Arrest**
Guy Hugues Fontaine, Pierre-and-Marie-Curie University, France

12:45-13:40 **Lunch Break** @ Edens Landing

13:40-14:15 **Hypothesizing that Neuropharmacological and Neuroimaging Studies of Glutaminergic-Dopaminergic Optimization Complex (KB220Z) are Indicative of Producing "Dopamine Homeostasis" in Reward Deficiency Syndrome (RDS)**
Kenneth Blum, Keck School of Medicine of USC, USA

14:15-14:50 **Study of Dysregulated Neurotransmission Using Dynamic Molecular Imaging Technique**
Rajendra Badgaiyan, University of Minnesota, USA

General Session

@ Annapolis | Harbor

14:50-15:10 **Challenges in Neurologic Drug Development**
Mohamed El Mouelhi, Novartis Institutes for Biomedical Research, USA

15:10-15:30 **AtheroCloud™: A Web-based Point-of-Care Solution for Accurate IMT Measurement System for Stroke Risk Monitoring**
Jasjit Suri, AtheroPoint™, USA

15:30-15:50 **Molecular Mediators, Environmental Modulators and Epigenetic Mechanisms in Mouse Models of Brain Disorders**
Anthony J Hannan, Florey Institute of Neuroscience and Mental Health, Australia

15:50-16:05 **Coffee Break** @ Main Hallway

Workshop

16:05-17:05 **Brain Protection by Adiabatic CO₂ Expansion for Out of Hospital Cardiac Arrest, Stroke and Spinal Cord Injury on Animal Models and First Fortuitous Clinical Case**
Fontaine Guy Hugues, Pierre-and-Marie-Curie University, France

17:05-18:00 **Poster Presentations Session (See Annexure)** @ Billie Holiday

Day 2

September 08, 2016

Break Out-1 (Annapolis Room)

Diagnosis: Neuroimaging, Biomarkers and Laboratory Studies @ Annapolis
Chair **Rajendra Badgaiyan, University of Minnesota, USA**

09:00-09:20 **Prospective Early Biomarkers for Alzheimer's Disease Based on Cell Cycle Alterations in Blood Lymphocytes**
Urszula Wojda, Nencki Institute of Experimental Biology, Poland

09:20-09:40 **Measurement of the Autonomic Response to Infused Medications for Chronic Migraine as Measured by Near Infrared Spectroscopy**
Kambiz Pourrezaei, Drexel University, USA

09:40-10:00 **Olfactory Dysfunction in Parkinson's and Other Neurological Diseases: The Search for a Common Pathological Substrate**
Richard L Doty, Perelman School of Medicine, USA

10:00-10:20 **Interneuron Transcriptional Dysregulation Causes Altered Modulation by Haloperidol of Inhibitory Synaptic Transmission in Hippocampus**
Lynn E Dobrunz, University of Alabama at Birmingham, USA

10:20-10:35 **Coffee Break** @ Main Hallway

10:35-10:55 **Effects of Ketamine and Acetyl-L-Carnitine (ALCAR) on the Zebrafish Nervous System**
Jyotshna Kanungo, National Center for Toxicological Research, USA

10:55-11:15 **A Tale of a Tail: The Amyloid-Precursor Protein Intracellular Domain is an Effector Molecule of Metaplasticity**
Jannic Boehm, University of Montreal, Canada

11:15-11:35 **Test-retest Reliability of Graph Metrics of Resting State MRI Functional Brain Networks: A Review**
Martina Andellini, Bambino Gesù Children's Hospital, Italy

11:35-11:55 **Analysis of Volatile Organic Compounds (VOCs): A Possible Application for Early Detection of Parkinson's Disease**
Soliman Khatib, Tel-Hai College, Israel

11:55-12:15 **Predictive Value of Human Skin Fibroblast Biomarkers for Alzheimer's Disease using a Biomarker Severity Score**
Florin V Chirila, Blanchette Rockefeller Neurosciences Institute, USA

12:25-13:25 **Lunch Break**

@ Edens Landing

Chairs

Alzheimer's Disease, Dementia and Mild Cognitive Impairment

@ Annapolis

Othman Ghribi, North Dakota School of Medicine, USA

Anthony Hannan, Florey Institute of Neuroscience and Mental Health, Australia

13:25-13:45 **The Role of Clinical Proteomics, Lipidomics and Genomics in the Diagnosis of Alzheimer's Disease**

Ian James Martins, Edith Cowan University, Australia

13:45-14:05 **The Neuroprotective Effects of Physical Activity for Persons at Risk for Alzheimer's Disease**

Cristy Phillips, Arkansas State University, USA

14:05-14:25 **Effects of Problem Solving Therapy on Depression and Anxiety Levels in Family Caregivers of Persons with a New Diagnosis of Mild Cognitive Impairment or Early Dementia: A Randomized Controlled Trial**

Linda Garand, Duquesne University, USA

14:25-14:45 **Palmitate-induced ER Stress and Subsequent CHOP Activation Attenuates Leptin and IGF1 Expression – Implications for Alzheimer's Disease**

Othman Ghribi, North Dakota School of Medicine, USA

14:45-15:05 **Protein Aggregation as a Link Between Diabetes and Alzheimer's Disease**

Gunilla Westermark, Uppsala University, Sweden

15:05-15:25 **Implication of Protein Metabolism in the Pathogenesis of Alzheimer's Disease**

Yves Ingenbleek, University of Strasbourg, France

15:25-15:45 **Anti-Dipeptidyl-Peptidase-Like Protein-6 Antibody Dementia**

Gorazd Bernard Stokin, St. Anne's University Hospital, Czech Republic

15:45-16:00 **Coffee Break**

@ Main Hallway

16:00-16:20 **Vascular Cognitive Impairment in LMICs: Under-Diagnosed and Under-Treated**

Cynthia Felix, The George Institute for Global Health, India

16:20-16:40 **The Role of Arterial Stiffness in Assessment of Cognitive Decline**

Sandra Morovic, Aviva Medical Center, Croatia

16:40-17:00 **Targeting Therapy for Homocysteic Acid in Blood is a Alzheimer's Cognitive Recovery**

Tobru Hasegawa, Saga Woman Junior College, Japan

17:00-17:20 **Prefibrillar Tau Oligomers Alter the Nucleic Acid Protective Function of Tau in Hippocampal Neurons *In vivo***

Marie-Christine Galas, INSERM, France

17:20-17:40 **Early Non-invasive Treatment of Non-Salient Accelerated Cognitive Decline in Late-Life Ageing Humans**

Oded Meiron, Herzog Hospital, Israel

Emerging Researcher Presentations

@ Annapolis

- 17:40-17:55 **Self-administered Gerocognitive Examination (SAGE) Correlates To Montreal Cognitive Assessment (MOCA) in a Suburban Neurology Clinic**
Ansh Bhammar, Alzheimer Disease Center, USA
- 16:55-18:10 **Post-traumatic Stress Disorder Symptoms in Patients with Pituitary Adenomas before Surgery and at Three Months after Tumor Removal**
Florian Bruckbauer, Technical University Munich, Germany
- 18:10-18:25 **Age-related Differences in Executive Functions**
Dorota Buczyłowska, University of Bremen, Germany

Break Out-2 (Harbor Room)

Chair **Autism and Neurodevelopmental Disorder**
Woody McGinnis, Autism Research Institute, USA

@ Harbor

- 09:00-09:40 **A Brainstem Hypothesis for Autism**
Woody McGinnis, Autism Research Institute, USA
- 09:40-10:00 **Investigating Interventions and Service Provision for Deaf/Hard of Hearing Students with Autism Spectrum Disorder**
Stacey Jones Bock & Christina Borders, Illinois State University, USA
- 10:00-10:20 **Visual Social Attention in ASD: Reviews and Meta-Analyses of Eye-Tracking Studies**
Meia Chita-Tegmark, Boston University, USA
- 10:20-10:35 **Coffee Break** @ Main Hallway
- 10:35-10:55 **Severe Respiratory Dysrhythmia in Rett Syndrome Treated with Topiramate**
Natalija Krajnc, University Children's Hospital Ljubljana, Slovenia
- 10:55-11:15 **Altered Cholinergic Activity and Increased Neural Inflammation in Neonatal Mice Injected with the Aluminum Adjuvant**
Lucija Tomljenovic, University of British Columbia, Canada
- 11:15-11:35 **Roles of the Actin-Binding Protein Girdin in Neurodevelopment in Man and Mouse**
Masahide Takahashi, Nagoya University, Japan
- 11:35-11:55 **Somatosensory Evoked Potentials in Children with Autism**
Hanan Galal Azouz, Alexandria University, Egypt
- 11:55-12:15 **Sex Differences in Rodent Models of Neonatal Hypoxia Ischemia**
Jaylyn Waddell, University of Maryland, USA
- 12:25-13:25 **Lunch Break** @ Edens Landing

Advances in Stroke Management • Stroke: Prevention, Treatment and Recovery

Chairs

Jasjit Suri, AtheroPoint™, USA

Alexander A Mongin, Albany Medical College, USA

@ Harbor

13:25-13:45 **A Machine Learning Paradigm for Ultrasonic Echolucent Plaque Characterization for Carotid Near and Far Walls - Stroke Risk Stratification**

Jasjit Suri, AtheroPoint™, USA

13:45-14:05 **Disruption of Superoxide-stimulated Glutamate Release in Ischemic Penumbra as A New Viable Strategy for Neuroprotection in Stroke**

Alexander A Mongin, Albany Medical College, USA

14:05-14:25 **Reversing Abnormal Muscle Activity in Post-Stroke Patients Using the Neuro-IFRAH®/ AI-Oboudi Approach**

Maria Amelia Chang, Neuro-IFRAH, USA

14:25-14:45 **The Novel Optokinetic Chart Stimulation as a Stroke Recovery Intervention**

Benjamin Chitambira, East Kent Hospitals University NHS Foundation Trust, United Kingdom

14:45-15:05 **Twenty-year Trends in Mortality Rates from Stroke in Klaipeda**

Henrikas Alfonsas Kazlauskas, Klaipeda University Hospital, Lithuania

15:05-15:25 **Ischemic Stroke at Jordan University Hospital: A One-Year Hospital-Based Study of Subtypes and Risk Factors**

Yacoub Babou, Jordan University Hospital, Jordan

15:25-15:40 **Coffee Break**

@ Main Hallway

Epilepsy and Seizure • Neurotransmitters, Neuropeptides and Drug Targets

Neuromuscular Disorders and Peripheral Neuropathies

Multiple Sclerosis and CNS Demyelinating Disorders

@ Harbor

Chairs

Jin Jun Luo, Temple University, USA

Kashi Nath Prasad, Sanjay Gandhi Postgraduate Institute of Medical Sciences, India

15:40-16:00 **Multiple Sclerosis and Suppressor of Suppressor of Cytokine Signaling (SOCS) Proteins**

Virginia Sedeno Monge, Universidad Popular Autonoma del Estado de Puebla, Mexico

16:00-16:20 **Citicoline: Myelination-Improving Food Supplement**

Parwel Grieb, Mossaowski Medical Research Centre, Poland

16:20-16:40 **Neurocysticercosis: An Emerging Public Health Problem**

Kashi Nath Prasad, Sanjay Gandhi Postgraduate Institute of Medical Sciences, India

16:40-17:00 **Smoke and Mirrors: Limited Value of Relative Risk Reductions for Assessing the Benefits of Disease-Modifying Therapies for Multiple Sclerosis**

Magd Zakaria, Ain Shams University, Egypt

17:00-17:20 **Kennedy Disease and Sex Hormones**

Jin Jun Luo, Temple University, USA

17:20-17:40 **Reduced Interleukin 7 Receptor Alpha Gene Expression in Multiple Sclerosis Patients- A Study in Egypt**

Shahira Elshafie, Fayoum University, Egypt

- 17:40-18:00 **The Roles of Neurotransmitter Function and Gut Health in Bipolar Disorder: Functional Clinical Approaches for Modulation and Treatment**
Cicely Everson, Tao Holistics, USA
- 18:00-18:20 **Drugging the Undruggable: Insights from Huntington's Disease**
Boxun Lu, Fudan University, China

Emerging Researcher Presentation

@ Harbor

- 18:20-18:35 **Seizure Reporting Technologies for Epilepsy Treatment: A Review of Clinical Information Needs and Supporting Technologies**
Jonathan Bidwell, Georgia Institute of Technology, USA

Day 3

September 09, 2016

- CNS Neoplasia** @ Harbor
Chair *Brent T Harris, Georgetown University, USA*

- 09:00-09:20 **The Potential Promise of Immunotherapy in CNS Cancers**
Deepa Subramaniam, Georgetown University, USA

- 09:20-09:40 **Glowing Gliomas - New Tricks with Fluorescence Guided Resection of CNS Tumors**
Brent T Harris, Georgetown University, USA

- 09:40-10:00 **Recent Advances in Molecular Genetics of Pediatric Low-Grade Gliomas**
Cheng-Ying Ho, University of Maryland, USA

- 10:00-10:20 **Coffee Break** @ Main Hallway

- Migraine and Headache** @ Harbor
Chairs *Paul G Mathew, Harvard Medical School, USA*
Mark W Green, Icahn School of Medicine at Mount Sinai, USA

- 10:20-10:40 **Migraine Mythology 101-The Facts are Far More Exciting than the Fiction**
P Christopher H Gottschalk, Yale University School of Medicine, USA

- 10:40-11:00 **Headache: It's All in Your Head...or is it?**
Paul G Mathew, Harvard Medical School, USA

- 11:00-11:20 **Pain Localization in Migraine without Aura and Cognitive Behavioral Correlates: The Neurophysiological and Anatomic-Functional Perspective**
Marzia Buonfiglio, Sapienza University of Rome, Italy

- 11:20-11:40 **The Psychiatric Comorbidities of Migraine**
Mark W Green, Icahn School of Medicine at Mount Sinai, USA

- Parkinson's Disease and other Movement Disorders** @ Harbor
Chair *Lee Akst, Johns Hopkins Medical Institutes, USA*

- 11:40-12:00 **The Clinical Significance of Voice and Swallowing Pathology in Parkinson's Diseases**
Zoltan Mari, Johns Hopkins University, USA

- 12:00-12:20 **Hypophonia in Parkinson's Disease: Medical and Surgical Considerations**
Lee Akst, Johns Hopkins Medical Institutes, USA
- 12:20-12:40 **Speech-Language Pathology Interventions for Voice and Swallowing in Parkinson's Diseases**
Donna Tippett, Johns Hopkins Medical Institutes, USA
- 12:40-13:00 **Novel Approach to Early Diagnosis of Parkinson's Diseases**
Michael Ugrumov, Russian Academy of Sciences, Russia
- 13:00-13:20 **Identifying Park-Weight Phenotype in Parkinson's Disease: Implications on Disease Management**
Jagdish Sharma, Lincoln County Hospital, United Kingdom
- 13:20 **Lunch & Departures** @ Edens Landing

Poster Presentations

@ Billie Holiday

- P-01 **Mechanism of Autophagy-lysosomal Pathway Dysfunction in Gaucher Disease iPSC Neurons**
Antanina Voit, University of Maryland, USA
- P-02 **A β Induces Oxidative Stress in Senescence-Accelerated (SAMP8) Mice**
Kurara Takagane, The University of Tokyo, Japan
- P-03 ***Scolopendra Subspinipes Mutilans* Attenuates Neuroinflammation in Symptomatic hSOD1(G93A) Mice**
Seongjin Lee, Gwang-Ju Oriental Medical Hospital, South Korea
- P-04 **Assessment of Carotid Plaque Neovascularization by Contrast-Enhanced Ultrasound and High Sensitivity C-Reactive Protein Test in Patients with Acute Cerebral Infarction: A Comparative Study**
Rong Xu, Jiading Central Hospital, China
- P-05 **Riluzole Alleviates Early Neutrophil Infiltration, Brain Edema and Lipid Peroxidation in the Traumatic Brain Tissue but does not Induce Neurotoxicity in Non-Traumatic Brain Tissue in Rats**
Huseyin Ozevren, Dicle University School of Medicine, Turkey
- P-06 **Therapeutic Links between Anti-Cancer Drugs (Bexarotene) and Alzheimer's Disease**
Krishna Pathak, Macedoniya University, Greece
- P-07 **Protective Effect of Pyrroloquinoline Quinone (PQQ) in Rat Model of Intracerebral Hemorrhage**
Hongjian Lu, The First Affiliated Hospital of Nanjing Medical University, China
- P-08 **Dimeric Dipeptide Mimetics of NGF**
Tatyana Gudasheva, V.V. Zakusov Institute of Pharmacology, Russia
- P-09 **Dysbindin-1, A Schizophrenia-Related Protein, Interacts with HDAC3**
Mika Soma, University of Tokyo, Japan

- P-10 **Assessment of Glutathione System and its Related Enzymes in the Serum of Children with Autistic Spectrum Disorders**
Hanan Galal Azouz, Alexandria University, Egypt
- P-11 **The Purinergic Receptor P2X7: A Potential New Therapeutic Target in Bipolar Disorder**
Carolina Gubert, Federal University of Rio Grande do Sul, Brazil
- P-12 **Prediction of Neurodevelopmental Outcome of Preterm Babies (≤ 33 Weeks) Using Risk Stratification Score**
Radhika Sujatha, Government Medical College, India
- P-13 **Levetiracetam Prophylaxis Ameliorates Seizure Epileptogenesis after Fluid Percussion Injury**
Yuan-Hao Chen, Tri-Service General Hospital, Taiwan
- P-14 **Semantic Fluency Scores can be Used for Screening for Cognitive Testing in www.alzcenter.com Neurology Clinic**
Heenaben Patel, Alzheimer Disease Center, USA
- P-15 **A Study on Hereditary Thrombophilia and Ischemic Stroke in a Cohort from Sri Lanka**
Hasini Kalpage, Wayne State University, USA
- P-16 **Estimation of the Impact of a Japanese Encephalitis Immunization Program with Live, Attenuated SA 14 14 2 Vaccine in Nepal**
Shyam Raj Upreti, Group for Technical Assistance(GTA), Nepal
- P-17 **Melatonin Maintains Mitochondrial Homeostasis and Promotes Neuroprotection by Inducing Autophagy Against Oxaliplatin-Evoked Peripheral Neuropathy**
Aparna Areti, National Institute of Pharmaceutical Education & Research, India
- P-18 **Differentiating Between Subtypes of Primary Progressive Aphasia and Mild Cognitive Impairment on a Modified Version of the Frontal Behavioral Inventory**
Donna Tippett, Johns Hopkins University, USA
- P-19 **Measurement of Autonomic Response to Infused Medications for Chronic Migraine as Measured by Near Infrared Spectroscopy**
Ardy Wong, Drexel University, USA
- P-20 **CCM Genetic Test: Can some CCM Genes SNPs in a Homozygous Condition be Causative of Cerebral Cavernous Malformations?**
Concetta Scimone, University of Messina, Italy
- P-21 **Isoxylitones: Does it Offer New Options for the Treatment of Epilepsy**
Shabana U Simjee, University of Karachi, Pakistan
- P-22 **Novel Reagents and Assays Indicate a Role for NADPH Oxidase 2 in Parkinson Disease**
Matthew Keeney, University of Pittsburgh, USA
- P-23 **Novel Application of Brain-Targeting Polyphenol Compounds in Promoting Resilience Against Sleep Deprivation-Induced Cognitive Dysfunction**
Breanna Valcarcel, Drexel University, USA
- P-24 **On Base of Space Time Theory, Neurological Disorders are the Results of Chaos in Neurons Released Electromagnetism Wavelengths as the Consequence of Abnormalities in Brain Metabolism**
Arash Hojato, Azad University, Iran

*Looking Forward to Meeting You
at
3rd Neurological Disorders Summit*



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