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OMICS Group Conferences
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Opening Ceremony

Keynote Forum

09:00-09:05 Introduction
09:05-09:30 C. David James
University of California, San Francisco, USA
09:30-09:55 Asim Mahmood
Henry Ford Hospital, USA
09:55-10:20 Ahmad Salehi
Stanford Medical School, USA
10:20-10:45 Abha Chauhan
NYS Institute for Basic Research in Developmental Disabilities, USA

Coffee Break 10:45-11:00

Track 2-1: Diagnosis and Genetic Testing for Neurological Disorders (Huntington Disease, Schizophrenia, Insomnia, Amnesias, Down Syndrome and Autism)
Track 2-2: Parkinson’s Disease
Track 2-3: Alzheimer’s Disease
Track 2-4: Multiple Sclerosis
Track 2-5: Movement Disorders, Dementias, Headaches and Peripheral Nerve Disorder

Session Introduction

11:00-11:20 Title: Alzheimer's disease and Parkinson's disease overlap—A role for Oxysterols? 
Othman Ghribi, University of North Dakota School of Medicine, USA

11:20-11:40 Title: 4-O-methylhonokiol attenuated memory impairment through reduction of oxidative damage, and amyloid-β generation and accumulation in mouse models of Alzheimer's disease
Jin Tae Hong, Chungbuk National University, Korea

11:40-12:00 Title: Cognitive Biomarkers: SAGE screening for the early identification of mild cognitive impairment and Alzheimer's disease
Douglas W. Scharre, Ohio State University Medical Center, USA

12:00-12:20 Title: Hypometabolism as a therapeutic target in Alzheimer's disease
Samuel T Henderson, Accera, Inc., USA

12:20-12:40 Title: Neurogenic bladder: A study on identification of risk groups & their therapeutic implications
M. Bajpai, All India Institute of Medical Sciences, India

Lunch Break 12:40-13:10
Title: Biochemical detection of misfolded amyloid-beta oligomers for sensitive diagnosis of Alzheimer’s disease
Claudio Soto, University of Texas Medical School, USA

Title: Potential therapeutic implications of Gelsolin in Alzheimer’s disease
Ved Chauhan, NYS Institute for Basic Research in Developmental Disabilities, USA

Title: Modeling dementia-related voiding dysfunction using transgenic Alzheimer disease mice
Jeremy B Tuttle, University of Virginia School of Medicine, USA

Title: Protective and therapeutic benefits of adipose stem cells in animal models of Alzheimer’s disease and experimental cerebral palsy
Jeong Chan Ra, Chungbuk National University, Korea

Title: Neutral actions of luteinizing hormone and Alzheimer’s disease
Zhenmin Lei, University of Louisville School of Medicine, USA

Title: Disturbances of innate immunity in Alzheimer’s Disease: Possible therapeutic approach
Jerzy Leszek, Wroclaw Medical University, Poland

Coffee Break 15:10-15:25

Title: Genome-wide screen for modifiers of Parkinson’s disease genes in Drosophila
Yong Rao, McGill University Health Centre, Canada

Title: Using branched chain amino acids as a novel therapeutic for brain injury
Jeffrey T Cole, Uniformed Services University of the Health Sciences, USA

Title: Metabolic challenges in Schizophrenia and with antipsychotic drug therapy
Udaya M Kabadi, University of Iowa, USA

Title: Small GTP-binding proteins as a therapeutic target for cognitive deficiencies
Odelia Yuh Ngala Bongmba, University of Houston, USA

Title: Therapeutic approaches to prevent the spreading of tauopathy in Alzheimer’s disease
Giulio Maria Pasinetti, Mount Sinai School of Medicine, USA

Title: Down syndrome (DS): Studies focusing on risk factors other than advanced maternal age
Natalia V. Kovaleva, Saint Petersburg State Pediatric Medical Academy, Russia

Title: PRPMS-Prediction of rehabilitation potential in Multiple Sclerosis by Neuromuscular Assessment
Ligia Rusu, University of Craiova, Romania

Title: Do autism and fragile X syndrome share neurobiological markers?
Nagwa A Meguid, National Research Centre, Egypt

Title: Progressive neurodegenerative shielding of Curcumin, Demethoxycurcumin & Bis-demethoxycurcumin on nigrostriatal terminal lesion model of Parkinson’s disease in Albino Wistar rats: A comparative approach
Sumeet Gullaiya, Delhi Institute of Pharmaceutical Sciences and Research, India

Title: Role of oxidative stress in animal model of Alzheimer Disease
Ferihan Cetin, Dokuz Eylul University, Turkey

Title: Multiple Sclerosis in women: Pregnancy
Teresa Corona Vazquez, National Institute of Neurology and Neurosurgery, Mexico

Panel Discussion
### Tropicana 1

**Track 1-1: Neuropharmacology, ADME/T in Drug Discovery & Anti-Neurodegenerative Drug Discovery**

**Track 1-2: Ion Channels, Transporters and Neurotransmitter Receptors**

**Track 1-3: Neural Stem Cells and Gene or Cell Therapy**

#### Session Introduction

**11:00-11:20**

**Title:** Adipose-derived stem cell conditioned media extends survival of a mouse model of amyotrophic lateral sclerosis  
**Yansheng Du, Indiana University School of Medicine, USA**

**11:20-11:40**

**Title:** Coupling energy metabolism and intracellular calcium homeostasis  
**William D. Watson, Uniformed Services University of the Health Sciences, USA**

**Title:** Estrogens physiologically antagonize the cannabinoid regulation of energy balance: Implications for using cannabinoid agonists as therapeutic adjuncts in stimulating appetite in cachexic women  
**Edward J. Wagner, Western University of Health Sciences, USA**

**12:00-12:20**

**Title:** miR-20a regulates genes involved in oligodendrocyte lineage and splicing  
**Erming Wang, University of Kentucky, USA**

**Title:** Drug discovery in a Drosophila model of ALS based on TDP-43  
**Daniela Zarnescu, University of Arizona, USA**

#### Lunch Break 12:40-13:10

#### 13:10-13:30

**Title:** The NMDA receptor/NO signaling as a therapeutic target in mood disorders: Three decades adventure  
**Mehdi Ghasemi, Johns Hopkins University School of Medicine, USA**

**Title:** Identification of effective inhibitors of enterovirus replication  
**Robert D Damoiseaux, University of California, USA**

**Title:** New approaches to paralytic snakebite, A who-designated neglected tropical disease  
**Rais Vohra, UCSF-Fresno Medical Center, USA**

**Title:** Mitochondria and glutamate-induced neurodegradation, the phospholipase A2 as a target for the prevention of the degradation  
**G. D. Mironova, Institute of Theoretical and Experimental Biophysics RAS, Russia**

**Title:** Preparation and characterization of poly(ester amine) derivatives for lung cancer gene therapy  
**Rohidas Arote, Seoul National University, Korea**

**Title:** Why D-neuron?  
**Keiko Ikemoto, Fukushima Medical University, Japan**

#### Coffee Break 15:10-15:25

#### 15:25-15:45

**Title:** Design, synthesis and anticonvulsant activity of some novel 1,2,4-Triazine Derivatives  
**Mohammad Amir, Hamdard University, India**

**Title:** Tl⁺ transport through the transient water pores in cell membranes induced by DMSO  
**Benlan Ye, Medical College of Xiamen University, China**

**Title:** Changes in the expression of serotonin receptor 5-HT5A by chemical substances  
**Maria Guadalupe Garcia Alcocer, Universidad Autonoma de Queretaro, Mexico**

**Title:** A novel bioluminescence-based assay for functional evaluation of the Nav channelosome  
**Fernanda Læzza, The University of Texas Medical Branch, USA**

**Title:** Fibrinogen as a contributor and therapeutic target in neuroinflammatory disease  
**Katerina Akassoglou, University of California, USA**

**17:05-17:20**

**Panel Discussion**

**18:30-19:30**

**Cocktails & Reception**

**Sponsored by Journal of Neurology & Neurophysiology**
## Day 2  May 15, 2012

### Tropicana 1

**Track 3-1: Neural Stem Cells & Neurosurgery**
**Track 3-2: Neurodevelopmental Diseases & Thermogenesis**
**Track 3-3: Neuroimmunological Disorders & Neurotransmitters & Neurodegenerative Disorders & Neurotrophins**
**Track 4: Neuromics, Neuroproteomics, Neurogenomics & Human Brain Proteome**

### Session Introduction

**08:00-09:00**  
**Registrations**

**Breakfast 08:30-09:00**

### Track 3-1: Neural Stem Cells & Neurosurgery

**09:00-09:20**  
**Title: Anti-oxidant and anti-inflammatory effects of flavonoids in neurodegenerative diseases**  
Kenza E. Benzeroual, Long Island University, USA

**09:20-09:40**  
**Title: Targeting the peripheral immune system to modify Neurodegeneration**  
Paul J. Muchowski, Gladstone Institute of Neurological Disease, USA

**09:40-10:00**  
**Title: Executive functions among boys with ADHD: The relationship between performance based assessment and parents report**  
Batya Engel-Yeger, University of Haifa, Israel

**10:00-10:20**  
**Title: Neuroprotection by insulin and glucagon: Role of glutamate**  
A. Higazi, University of Pennsylvania, USA

**Coffee Break 10:20-10:35**

**10:35-10:55**  
**Title: Effect of magnesium sulfate on the total anesthetic and analgesic requirements in neurosurgery**  
Essam Manaa, King Khalid University Hospital, Saudi Arabia

**10:55-11:15**  
**Title: Treatment management of neuropathic pain**  
Michael Namako, University of Manitoba, Canada

**11:15-11:35**  
**Title: Neuroinflammation in surgery-induced cognitive decline: Can we prevent it?**  
Niccolo Terrando, Karolinska Institute, Sweden

**11:35-11:55**  
**Title: Diagnostic and therapeutic use of a novel protein-unfolding activity, oligomeric actin-interacting protein 2 (Aip2p), for neurodegenerative diseases**  
Naomi Hachiya, Tokyo Medical University, Japan

**11:55-12:10**  
**Panel Discussion**

**Track 5-1: Physiotherapy and Speech Therapy**
**Track 5-2: Occupational Therapy and Neuropsychology**
**Track 6-1: Epilepsy Surgery**
**Track 6-2: Epilepsy, EEG, Prevention and Management**
**Track 7: Clinical Neurophysiology and Electrophysiology**
**Track 8: Current Trends in Neurophysiology**

### Session Introduction

**12:10-12:30**  
**Title: Transcriptome profiling of hippocampal CA1 after early life seizure-induced preconditioning may elucidate new genetic therapies for Epilepsy**  
L. K. Friedman, New York Institute of Technology, USA

**12:30-12:50**  
**Title: Medical psychology: Clinical practices and implications for practitioners**  
Kathy Sexton-Radek, Elmhurst College, USA

**Lunch Break 12:50-13:30**

**13:30-13:50**  
**Title: Differential ability of Serotonergic drugs to selectively block seizure-induced sudden death in the DBA/1 mouse model of sudden unexpected death in Epilepsy (SUDEP)**  
Carl L. Faingold, Southern Illinois University School of Medicine, USA

**13:50-14:10**  
**Title: Inflammatory and neurogenic mechanisms of Epilepsy**  
Lee A. Shapiro, Texas A&M Health Science Center, USA
Title: The effects of a skilled physical therapy program on functional outcome measures and falls in patients with peripheral neuropathy
James Nussbaum, ProHealth & Fitness PT OT, USA

Title: Neurodevelopmental impact of antiepileptic drug exposure
Alexei Kondratyev, Georgetown University Medical Center, USA

Title: Sleep pattern in kangaroo mother care
Mohamadzadeh Ashraf, Neonatal Research Center, Iran

Title: Cannabinoid 1 receptor as therapeutic target in preventing chronic epilepsy
Roberto Di Maio, University of Pittsburgh, USA

Coffee Break 15:30-15:45

15:45-16:05 Title: Gap-junction is a new target for epileptic therapy in human gelastic seizures with hypothalamic hamartoma
Jie Wu, Barrow Neurological Institute, USA

Title: A review of the Psychometric properties of the CRAFFT instrument: 1999-2011
Shayesta Dhalla, University of British Columbia, Canada

Title: Behavioral manifestations of sensory hypersensitivity among children with epilepsy
Batya Engel-Yeger, University of Haifa, Israel

Title: The risks of suicidality in adult patients with epilepsy
Sherifa Ahmad Hamed, Assiut University Hospital, Egypt

Title: The effects of Hippotherapy on motor performance and function in United States military veterans
Roy Lee Aldridge, Arkansas State University, USA

Title: Cognitive rehabilitation of the most commonly encountered cognitive deficits
Jeri Morris, American Board of Psychiatry and Neurology, USA

17:45-18:00 Panel Discussion

Tropicana 2

09:20-09:40 Title: Stroke in Children
Eduardo Mekitarian Filho, University of Sao Paulo, Brazil

Title: Cell cycle as a part of DNA damage response in postmitotic neurons
Inna Kruman, Texas Tech University Health Sciences Center, USA

Title: Cross-talk between oxysterol and Wnt pathway in Myelination: New therapeutic avenues for myelin pathologies
Charbel Massaad, Paris Descartes University, France
10:00-10:20 Title: Role of epigenetics in regulation of astroglial excitatory amino acid transporter 2 (EAAT2) expression
Prasun K. Datta, Temple University School of Medicine, USA

Coffee Break 10:20-10:35

10:35-10:55 Title: Susac’s syndrome, rare CNS vasculitis in a teenager: A case report
Aman Singh Sohal, The Great North Children’s Hospital, U.K

Masaaki Suzuki, RIKEN Center for Molecular Imaging Science, Japan

11:15-11:35 Title: Neuronal insulin receptor signaling: Regulation by therapeutic drugs and bioactive agents
Toshihiko Yanagita, University of Miyazaki, Japan

11:35-11:55 patients admitted to intensive care units in southern Brazil
Andrea Regner, Universidade Luterana do Brasil, Brazil
Title: Novel TCPL delivery system: Inhibition of hypothalamic-pituitary gonadal hormones by sustained delivery of testosterone
Hamed Benghuzzi, University of Mississippi Medical Center, USA

11:55-12:15 Title: Item hierarchy of the cerebral palsy quality of life for children (CP QOL-Child)
Sing Kai Lo, Kaohsiung Medical University, Taiwan

12:15-12:35 Title: Evaluation of neuronal and axonal damage after traumatic brain injury using quantitative magnetic resonance imaging techniques
Augusto Elias Mamere, Cancer Hospital of Barretos, Brazil

Lunch Break 12:55-13:40

13:40-14:00 Title: Identification of survival pathways through integrated analysis of the transcriptome of Medulloblastoma
Zhandong Liu, Baylor College of Medicine, USA

14:00-14:20 Title: Hyperglycemia and postoperative outcomes in pediatric neurosurgery
Eduardo Meletitarian Filho, University of Sao Paulo, Brazil

14:20-14:40 Title: Free radical scavenger edaravone administration protects against tissue plasminogen activator induced oxidative stress and blood brain barrier damage
Violeta Lukic-Panin, Okayama University, Japan

14:40-15:00 Title: Neurological implications of essential strabismus
Martin Gallegos-Duarte, Universidad Autonoma de Queretaro, Mexico

15:00-15:15 Panel Discussion

Tropicana 2
3rd International Conference on Biomarkers & Clinical Research
July 2-4, 2012 Embassy Suites Las Vegas, USA
International Conference and Exhibition on Rheumatology & Therapeutics
August 14-15, 2012 Hilton Chicago/Northbrook, USA
International Conference and Exhibition on Nephrology & Therapeutics
August 20-22, 2012 Hilton Chicago/Northbrook, USA
International Conference on Pathology
August 27-29, 2012 DoubleTree by Hilton Philadelphia, USA
International Conference on Central Nervous System - Drugs Effecting & Novel Drug Development
September 5-7, 2012 DoubleTree by Hilton Philadelphia, USA
2nd World Congress on Cancer Science & Therapy
September 10-12, 2012 Hilton San Antonio Airport, USA
International Conference on Biodiversity and Sustainable Energy Development
September 14-15, 2012 Hyderabad International Convention Center, India
World Toxicology Summit and Expo
September 17-19, 2012 Holiday Inn San Antonio, USA
2nd International Conference on Pediatrics & Gynaecology
September 24-26, 2012 Marriott Convention Center, India
International Integrative Biology Summit
October 1-3, 2012 DoubleTree by Hilton Chicago - Northshore, USA
International Conference on Otolaryngology
October 15-17, 2012 DoubleTree by Hilton Chicago - Northshore, USA
International Conference on Material Sciences & Engineering
October 22-24, 2012 DoubleTree by Hilton Chicago - Northshore, USA
International Conference on Personalised Medicine & Molecular Diagnostics
October 29-31, 2012 DoubleTree by Hilton Chicago - Northshore, USA
International Conference on Regenerative & Functional Medicine
November 12-14, 2012 Hilton San Antonio Airport, USA
International Conference and Exhibition on Probiotics
November 19-21, 2012 Hilton San Antonio Airport, USA
2nd International Conference on Pharmaceutical Regulatory Affairs
November 23-24, 2012 Hyderabad International Convention Center, India
International Conference on Hair Transplantation & Trichology
November 26-28, 2012 Hilton San Antonio Airport, USA
International Summit on GMPs & GCPs: USA, Europe, Japan & Asia Pacific
December 3-5, 2012 DoubleTree by Hilton Philadelphia Center City, USA
2nd International Conference on Proteomics & Bioinformatics
July 2-4, 2012 Embassy Suites Las Vegas, USA
International Conference and Exhibition on Addiction Research & Therapy
August 20-22, 2012 Embassy Suites Las Vegas, USA
2nd International Conference on Vaccines & Vaccination
August 20-22, 2012 Hilton Chicago/Northbrook, USA
International Conference on Pulmonary & Respiratory Medicine
August 27-29, 2012 DoubleTree by Hilton Philadelphia, USA
International Conference on Occupational Health & Safety Summit
September 5-7, 2012 DoubleTree by Hilton Philadelphia, USA
World Congress & Expo on Biowavers and Biosimilars
September 10-12, 2012 Hilton San Antonio Airport, USA
International Conference and Exhibition on Solar Systems & Power Generation Technologies
September 14-15, 2012 Hyderabad International Convention Center, India
International Conference and Exhibition on Translational Medicine
September 17-19, 2012 Holiday Inn San Antonio, USA
International Conference on Tissue Science & Engineering
October 1-3, 2012 DoubleTree by Hilton Chicago - Northshore, USA
International Conference on Emerging Cell Therapies
October 1-3, 2012 DoubleTree by Hilton Chicago - Northshore, USA
International Conference on Biothreat & Biodefense
October 15-17, 2012 DoubleTree by Hilton Chicago - Northshore, USA
International Conference on Analytiqix and HPLC
October 22-24, 2012 DoubleTree by Hilton Chicago - Northshore, USA
2nd World Congress on Cell Science & Stem Cell Research
November 12-14, 2012 Hilton San Antonio Airport, USA
Global Biofuels & Bioproduct Summit
November 19-21, 2012 Hilton San Antonio Airport, USA
International Conference and Exhibition on Food Processing and Technology
November 22-24, 2012 Hyderabad International Convention Center, India
International Conference and Exhibition on Cosmetology & Cosmetics
November 23-24, 2012 Hyderabad International Convention Center, India
International Conference on Anesthesia & Perioperative Care
November 26-28, 2012 Hilton San Antonio Airport, USA
International Conference on QC, QA and Validation
December 3-5, 2012 DoubleTree by Hilton Philadelphia Center City, USA
International Conference and Exhibition on Pharmacovigilance & Clinical Trials
October 1-3, 2012 DoubleTree by Hilton Chicago - Northshore, USA
World Congress on Forensic Research & Technology
October 15-17, 2012 DoubleTree by Hilton Chicago - Northshore, USA
International Conference on Clinical and Cellular Immunology
October 22-24, 2012 DoubleTree by Hilton Chicago - Northshore, USA
International Conference on Computer Aided Drug Design & QSAR
October 29-31, 2012 DoubleTree by Hilton Chicago-Northshore, USA
International Conference on Clinical Microbiology & Microbial Economics
November 12-14, 2012 Hilton San Antonio Airport, USA
International Conference on Genetic Syndromes & Gene Therapy
November 19-21, 2012 Hilton San Antonio Airport, USA
3rd International Conference on Analytical & Bioanalytical Techniques
November 22-24, 2012 Hyderabad International Convention Center, India
International Conference and Exhibition on Surgery and Transplantation
November 26-28, 2012 Hilton San Antonio Airport, USA
International Conference on Obesity & Weight Management
December 3-5, 2012 DoubleTree by Hilton Philadelphia, USA
2nd International Conference on Nanotek and Expo
December 3-5, 2012 DoubleTree by Hilton Philadelphia Center City, USA
International Conference and Exhibition on Orthopedics
August 13-15, 2012 Hilton Chicago/Northbrook, USA
2nd World Congress on Virology
August 20-22, 2012 Embassy Suites Las Vegas, USA
International Conference on Earth Science & Climate Change
August 21-22, 2012 Hilton Chicago/ Northbrook, USA
International Conference and Exhibition on Nutritional Science & Therapy
August 27-29, 2012 DoubleTree by Hilton Philadelphia, USA
International Conference on Hydrology and Ground Water Expo
September 10-12, 2012 Hilton San Antonio Airport, USA
3rd World Congress on Biotechnology
September 13-15, 2012 Hyderabad International Convention Center, India
International Conference and Exhibition on Hotel & Business Management
September 14-15, 2012 Hyderabad International Convention Center, India
3rd International Conference on Diabetes & Metabolism
September 24-26, 2012 Marriott Convention Center, India
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2nd International Conference on Nanotek and Expo
December 3-5, 2012 DoubleTree by Hilton Philadelphia Center City, USA