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Scientific Program

OMICS International Conference

International conference on

Brain Disorders and Therapeutics

London, UK August 24-26, 2015



OMICS International Conferences

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Scientific Program

Day 1 August 24, 2015

07:30 - 08:30 Registrations

Hall - 3

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08:30 - 09:00 **Opening Ceremony**

Keynote Forum

09:00-09:30	**Theresa D Hernandez** University of Colorado, USA
09:30-10:00	**Natalie Rasgon** Stanford University School of Medicine, USA
10:00-10:30	**Hans Von Holst** Royal Institute of Technology, Sweden

Networking & Refreshment Break: 10:30-10:50 @ Orwells Restaurant

Session on: Brain Disorders: An Over view

Session Introduction

Session Chair: Hans Von Holst, Royal Institute of Technology, Sweden

Session Co-Chair: Alex Bekker, Rutgers New Jersey Medical School, USA

10:50-11:10	**Working memory in 6 years old children and cognitive training** **Anna Orylska,** University of Social Sciences and Humanities, Poland
11:10-11:30	**Cytotoxic edema after traumatic brain injury - A new hypothesis to its etiology** **Hans Von Holst,** Royal Institute of Technology, Sweden
11:30-11:50	**The correlation between binaural perception and brain stem lesions** **Miriam Furst,** Tel Aviv University, Israel
11:50-12:10	**Perioperative Stroke** **Alex Bekker,** Rutgers New Jersey Medical School, USA
12:10-12:30	**Cerebral response to auditory attractiveness and auditory hallucinations in Schizophernia: An f-MRI study for understanding social cognitive function** **Michihiko Koeda,** Nippon Medical School, Japan
12:30-12:50	**Epilepsy and its management in relation to Psychiatry** **Amir Mufaddel,** Al Ain Hospital, United Arab Emirates

Session Discussion

Lunch Break: 12:50-13:40 @ Orwells Restaurant

Symposium on

13:40-14:40	**Is damage to the cytoskeletal architecture a common pathological hallmark of neurotoxicants?** **Wayne Grant Carter,** University of Nottingham, UK

Session on: Brain Disorder: Anticipatory Measure and Manifestation

Session Introduction

Session Chair: Sha Mi, Biogen, USA

14:40-15:00	**Blocking LINGO-1 for CNS remyelination and repair: From discovery to clinical trials** **Sha Mi,** Biogen, USA
15:00-15:20	**Postoperative cognitive decline in the elderly** **Alex Bekker,** Rutgers New Jersey Medical School, USA
15:20-15:40	**A different perspective to white matter disorders leads to a new clinical approach for diagnosing leukodystrophies** **Nasser Nadim,** Clalit Health Organization Services, Israel
15:40-16:00	**Technology based behavioral vaccines to prevent depression in Adolescents** **Benjamin Van Voorhees,** University of Illinois, USA

16:00-16:20	**Marchiafava Bignami disease (MBD) and diffusion tensor image (DTI) tractography**
	Priscilla Chukwueke, Columbia University Medical Center, USA
	Networking & Refreshment Break: 16:20-16:40 @ Orwells Restaurant
Session on: Brain Disorders: Pathophysiology	
	Session Introduction
Session Chair: Eleuterio Toro, University of Trento, Italy	
16:40-17:00	**The potential role of venous haemodynamics in some brain pathologies**
	Eleuterio Toro, University of Trento, Italy
17:00-17:20	**The active function of venous brain system into hemodynamic brain circulation**
	Jan Hemza, Saint Ann Faculty Hospital, Czech Republic
17:20-17:40	**Tumor suppressor WWOX limits neurodegeneration and Zfra mitigates the symptoms of Alzheimer's disease**
	Nan-Shan Chang, National Cheng Kung University, Taiwan
17:40-18:00	**Immunoproteasome in neuroinflammation**
	Michele Mishto, Universitätsmedizin Berlin, Germany
18:00-18:20	**Evaluation of neuroprotective effect of silk protein, sericin in Alzheimer's disease induced rat brain**
	Kuna Yellamma, Sri Venkateswara University, India
	Session Discussion and Closing

Day 2 August 25, 2015

Hall - 3

Keynote Forum

09:30-10:00	**Harish C Pant** National Institute of Neurological Disorders and Stroke, USA
10:00-10:30	**Wayne Grant Carter** University of Nottingham, UK
10:30-11:00	**Mark S Kindy** Medical University of South Carolina, USA

Networking & Refreshment Break 11:00-11:20 @ Orwells Restaurant

Symposium on

11:20-12:50	**Complementary and alternative medicine-based interventions for traumatic brain injury: Translating research (basic and clinical) into evidence-based practice**
	Theresa D Hernandez, University of Colorado, USA and **Birgitta Johansson,** Gothenburg University, Sweden
	Session Discussion
	Lunch Break 12:50-13:30 @ Orwells Restaurant
Session on: Novel Treatment strategies	
	Session Introduction
Session Chair: T Chris Gamblin, University of Kansas, USA **Session Chair: Natalie L Rasgon,** Stanford University School of Medicine, USA	
13:30-13:50	**The cysteine protease cathepsin B is a key drug target and cysteine protease inhibitors are potential therapeutics for traumatic brain injury**
	Mark S Kindy, Medical University of South Carolina ,USA
13:50-14:10	**Retro-inverso peptide inhibitors of ß-amyloid oligomer formation as a novel treatment for the progression of Alzheimer's disease**
	David Allsop, Lancaster University, UK
14:10-14:30	**Mining the *A. nidulans* Metabolome for Tau aggregation inhibitors**
	T Chris Gamblin, University of Kansas, USA
14:30-14:50	**Variation in response to short-term antidepressant treatment between patients with continuous and non-continuous cycling Bipolar disorders**
	Rocco de Filippis, Institute of Psychopathology, Italy
14:50-15:10	**Novel peptides for anti-amyloid therapy and MRI diagnosis in Alzheimer's disease**
	Brian Austen, St George's University, UK
15:10-15:30	**Anti-Inflammation and neuroprotective drugs benefit the treatment of Bipolar II disorder patients**
	Ru-Band Lu, National Cheng Kung University, Taiwan

15:30-15:50	**Smartphone app for the brain, the vagus nerve and the therapy depression and anxiety**
	Christopher J Lahr, University of Mississippi , USA
Session Discussion	
Networking & Refreshment Break 15:50-16:10 @ Orwells Restaurant	
Session Chair: Harish C. Pant, National Institute of Neurological Disorders and Stroke, USA **Session Chair: Mark Kindy,** Medical University of South Carolina, USA	
16:10-16:30	**A novel hypothesis as to the origin of autism: an alteration in biological water dynamics disrupts proton-coupled electron transfer and the organizing function of CNS fractones**
	Robert Michael Davidson, American Institute of Stress, USA
16:30-16:50	**Characterization of microparticles derived from cultured macrophages and cerebrospinal fluid of patients with schizophrenic and affective disorders**
	Marion Schneider, University Hospital Ulm, Germany
16:50-17:10	**Targeting Neurotoxic N-Terminal Pyroglutamated Abeta (B Pglua) with inhibitors of Glutaminyl Cyclase (Qc) and Pglua B-specific antibodies has reached clinical stage**
	Hans-Ulrich Demuth, Fraunhofer Institute for Cell Therapy and Immunology, Germany
17:10-17:30	**Error augmentation as a possible technique for improving upper extremity motor performance after a Stroke- A pilot study**
	Eli Carmeli, University of Haifa, Israel
17:30-17:50	**The influence of Mitochondrin-2 and Cerebrolysin on the survival of *Drosophila melanogaster* individuals with the functional knockout of Sod1gene in glia**
	Oleksandr Makarenko, Taras Shevchenko National University of Kyiv, Ukraine
Session Discussion and Closing	

Day 3 August 26, 2015

Hall - 3

Session on: Associated Brain Disorders

Session Introduction	
Session Chair: Kerensa Broersen, University of Twente, The Netherlands **Session Co-Chair: Mehrdad Shamloo,** Stanford University, USA	
09:30-09:50	**The role of amyloid beta peptide variability toward progress of Alzheimer disease**
	Kerensa Broersen, University of Twente, The Netherlands
09:50-10:10	**Characterization of a mouse model of subarachnoid haemorrhage: Involvement of the urotensin II peptide system on vasospasm and neurosensitivomotor deficits**
	Helene Castel, University of Rouen, France
10:10-10:30	**Targeting ß1-Adrenergic receptor as a novel therapeutic approach for treatment of Alzheimer's disease**
	Mehrdad Shamloo, Stanford University, USA
Networking & Refreshment Break 10:30-11:00 @ Orwells Restaurant	
11:00-11:20	**Central nervous system (CNS) calcifications as a differential diagnosis of Psychiatric disorders**
	Amir Mufaddel, Al Ain Hospital, United Arab Emirates
11:20-11:40	**Neurological disorders in children / the sheikh's syndrome**
	Shahid Hussain Sheikh, NIDS Treatment & Research Center, Pakistan
11:40-12:00	**Gene expression changes triggered by amyloid beta toxicity**
	Wail M Hassan, University of Wisconsin, USA
Young Researcher Forum	
12:00-12:20	**Test battery approach to cognitive communication disorders in traumatic brain injury**
	Reeta Jaya Philip, Dr.S.R.Chandrasekhar Institute of Speech and Hearing, India
12:20-12:40	**Investigation of clinical evidence for praxicon model of apraxia of speech**
	Daly Sebastian, Dr.S.R.Chandrasekhar Institute of Speech and Hearing, India
Session Discussion	
Lunch Break: 12:40-13:20 @ Orwells Restaurant	
Virtual Workshop	
14:30-15:00	**Understanding what we do and how to change it**
	John Kennedy, Combat Brain Training, USA
Best Poster Award and Closing Ceremony	