

2<sup>nd</sup> Edition of International Conference on

# NEUROLOGY AND BRAIN DISORDERS

JUNE 04-06, 2018  
ROME, ITALY

ADVANCEMENTS AND CHALLENGES IN  
NEUROSCIENCE & BRAIN DISORDERS

VENUE  
HOLIDAY INN ROME AURELIA  
VIA AURELIA, KM 8.400, 00165  
ROME, ITALY

## Day 1 : June 04, 2018 (Monday) @ Olimpia 1

08:00-08:40 Registrations

Moderator [Jodie Marquez](#), University of Newcastle, Hunter Medical Research Institute, Australia

08:40-09:00 Introduction

### Keynote Presentations

09.00-09.40 Title: Brain dynamics of normal and abnormal learning, memory, and cognition with applications to Alzheimer's disease, amnesia, autism, and neglect  
[Stephen Grossberg](#), Boston University, USA

09.40-10.20 Title: The significant outcomes and rationale of exploiting chaos in the CNS- to accelerate functional rejuvenation of the lesioned spinal cord  
[Ken Ware](#), NeuroPhysics Therapy Institute and Research Centre, Australia

10.20-11.00 Title: Discovery of markers for brain tumors starting from mouse models  
[Maria-Magdalena Georgescu](#), Louisiana State University, USA

11.00-11.20 **Coffee Break**

**@ Foyer**

11.20-12.00 Title: Aging and traumatic brain injuries: Involvement of cholinergic transmission in preclinical tests of executive function  
[Corina O. Bondi](#), University of Pittsburgh, USA

### Oral Presentations

Session on: Behavioral Neurology & Neuropsychiatry | Pediatric Neurology

Chairs : [Stephen Grossberg](#), Boston University, USA  
[Margarit Tadevosyan](#), Artmed Medical Rehabilitation Center, Armenia

12.00-12.20 Title: Brainstem Dysfunction in Neuropsychiatric Disorders – AD/PD/Depression  
[Harry W.M. Steinbusch](#), Maastricht University Medical Center, Netherlands

12.20-12.40 Title: Intrathecal baclofen (ITB) combined with locomotor exercise provides better therapeutic outcome in reducing spasticity, improving anxiety, cognitive and activity performance, and no adverse effect on balance performance in a traumatic brain injury (TBI) rodent model  
[Floyd Thompson](#), Brain Rehabilitation Center, North Florida/South Georgia Veterans Health Systems, USA

12.40-13.00 Title: Frameless stereotactic radiotherapy alone and combined with temozolomide for canine gliomas  
[Luca Malfassi](#), La Cittadina Fondazione Studi e Ricerche Veterinarie, Romanengo, Italy and Azienda Socio Sanitaria Territoriale di Lodi, Italy

**GROUP PHOTO**

13.00-13.50 **Lunch Break**

@ Hotel Restaurant

Session on: Central Nervous System | Brain and Aging | Neuropharmacology

Chairs : Harry W.M. Steinbusch, Maastricht University Medical Center, Netherlands  
 Najib Murr, Southern Illinois University School of Medicine, USA

13.50-14.10 Title: Toward selective modulators of GABA-A receptors  
 Karol S. Bruzik, The University of Illinois at Chicago, USA

14.10-14.30 Title: Astrocytes as the pivotal damage---management and repair cells after focal injury in the CNS  
 Swetlana Sirko, Ludwig-Maximilians-University Munich, Germany

14.30-14.50 Title: New perspectives for a more suitable therapeutic approach for Huntington's disease  
 Vittorio Maglione, IRCCS Neuromed, Italy

14.50-15.10 Title: Antigravity suit "Atlant" in neurological rehabilitation of patients with motor and cognitive impairments  
 Valida Isanova, Kazan State Medical University, Russia

15.10-15.30 Title: Do lower limb robotic exoskeletons have a role in neurological rehabilitation? A systematic review  
 Jodie Marquez, University of Newcastle, Australia

15.30-15.50 Title: Continued refinement of environmental enrichment as a preclinical model of neurorehabilitation after experimental brain trauma  
 Anthony E. Kline, University of Pittsburgh, USA

15.50-16.10 **Coffee Break**

@ Foyer

16.10-17.10 Master Class: Harry W.M. Steinbusch, Maastricht University Medical Center, Netherlands  
 Title: What can be learn from animal studies in a translational aspect

**NETWORKING****GALA DINNER @ 20:00 HOTEL RESTAURANT****Day 2 : June 05, 2018 (Tuesday) @ Olimpcia 1**

Moderator Lucia Carvelli, Florida Atlantic University, USA

**Keynote Presentations**

09.00-09.40 Title: Abnormal mitochondrial dynamics and defective synapses: Protective role of reduced dynamin-related protein 1 in alzheimer's disease  
 P. Hemachandra Reddy, Texas Tech University Health Sciences, USA

09.40-10.20 Title: Molecular mechanisms underlying constitutive activation of the EGF receptor in glioblastoma  
 Ichiro Maruyama, Okinawa Institute of Science and Technology Graduate University, Japan

10.20-11.00 Title: Investigation of brain systems: From activations to interactions  
 Svyatoslav Medvedev, N.P.Bechtereva Institute of the Human Brain of the Russian Academy of Sciences, Russia

11.00-11.20 **Coffee Break** @ Foyer

11.20-12.00 Title: Posttraumatic stress disorder: Functional organic transition  
 Margarit Tadevosyan, Artmed Medical Rehabilitation Center, Armenia

## 12.00-13.00 - Workshop

Title: The intersections of traumatic brain injury, strangulation and domestic violence  
 CarolAnn Peterson, University of Southern California, USA

13.00-13.50 **Lunch Break** @ Hotel Restaurant

## Oral Presentations

Session on: Neuroimaging and Brain Engineering | Neuro Therapeutics, Diagnostics and Case Studies | Neurological Disorders and Stroke

Chairs : Ken Ware, NeuroPhysics Therapy Institute and Research Centre, Australia  
 Anthony Kline, University of Pittsburgh, USA

13.50-14.10 Title: Exploiting the CNS's Natural Chaotic Neural Phenomena to Optimize the Return of Lost Motor Function Causal of Variable Forms of Lesions to the CNS  
 Ken Ware, NeuroPhysics Therapy Institute and Research Centre, Australia

14.10-14.30 Title: Determining the merits of the REX Bionics Exoskeleton in neuro-rehabilitation post stroke  
 Nicola Postol, University of Newcastle, Australia

14.30-14.50 Title: Executive Disorders. Functional analysis, rehabilitative treatments and early Prevention  
 Eleonora Palmieri, University in Macerata, Italy

14.50-15.10 Title: GDF15 as a new useful biomarker of mitochondrial disorders, and develop the diagnostic device in Japan  
 Yasutoshi Koga, Kurume University Graduate School of Medicine, Japan

15.10-15.30 Title: Arrestin-3-dependent activation of the JNK pathway as a therapeutic target for L-DOPA-induced dyskinesia  
 Eugenia V Gurevich, Vanderbilt University, USA

15.30-15.50 Title: Identification and Mitigation of Post-operative Delirium  
 Arun L. Jayaraman, Mayo Clinic Arizona, USA

15.50-16.10 **Coffee Break** @ Foyer

16.10-17.10 Master Class: [Harry W.M. Steinbusch](#), Maastricht University Medical Center, Netherlands  
 Title: Should we see AD as a single disease and what comorbidities should be implicated

## 15.50-17.10 - Poster Presentations

- P1 Title: An unusual case of Takayasu arteritis aneurysm  
[Richard Francis](#), Royal united hospital, UK
- P2 Title: Pre- and neonatal exposure to lead (Pb) induces alteration in energy metabolism in developing brain of rat offspring  
[Baranowska-Bosiacka Irena](#), Pomeranian Medical University in Szczecin, Poland
- P3 Title: In vitro effect of acetylcholinesterase inhibitor donepezil on prostaglandin E2 and thromboxane B2 concentrations and on cyclooxygenases expression in THP-1 macrophages  
[Marta Goschorsk](#), Pomeranian Medical University in Szczecin, Poland
- P4 Title: Role of fluoride in changes of metalloproteinases activity in brain  
[Izabela Gutowska](#), Pomeranian Medical University in Szczecin, Poland
- P5 Title: Astrocyte Reactivation is Concerned in BBB Recovery from Breakdown  
[Hiroko IKESHIMA-KATAOKA](#), WASEDA University, Faculty of Science and Engineering, Japan
- P6 Title: Culprit Lesions Responsible for Impaired Visual Perception in Post-stroke Patients  
[Hyun Im Moon](#), Bundang Jesaeng Hospital, Korea
- P7 Title: The role of red blood cell as a participant in vasoregulation in the patients with ischemic stroke  
[Kruchinina Margarita Vitalievna](#), Research Institute of internal and Preventive Medicine-Branch of the Institute of Cytology and Genetics, Siberian Branch of the Russian Academy of Sciences, Russia
- P8 Title: The neuroprotective effect of 1-methyl-1,2,3,4-tetrahydroisoquinoline against perinatal exposure of fluorine  
[Wasik Agnieszka](#), Institute of Pharmacology PAS, Poland
- P9 Title: The participation of dystrophin Dp40 and Dp40L170P in the neuronal differentiation process of PC12 cells  
[Cesar Garcia-Cruz](#), Centro de Investigación y de Estudios Avanzados del IPN, México
- P10 Title: Intraperitoneal injection of VUF-8430 in mice induced a decrease in CREB and CREB phosphorylation levels in the cerebellar vermis and prefrontal cortex, but not in amygdala and hippocampus  
[Carlos Eduardo Monici Fernandes](#), Federal University, Brazil
- P11 Title: Histamine improves mice rota-rod performance through H1 and H2 receptors in the cerebellar vermis  
[Bruna Silva Marques](#), Federal University of Sao Carlos, Brazil

- P12 Title: Co-treatment with antidepressants and aripiprazole reversed the MK-801-induced schizophrenia-like behavior in rats  
Zofia Rogoz, Institute of Pharmacology Polish Academy of Sciences, Poland
- P13 Title: The amygdala modulates H1-induced memory retrieval deficit via nicotinic acetylcholine receptors  
Kelly Regina Serafim, Center University Central Paulista, Brazil
- P14 Title: Properties of the ovocystatin in APP/PS1 mice model  
Bartłomiej Stańczykiewicz, Wrocław Medical University, Wrocław, Poland
- P15 Title: Impact of disease acceptance, life satisfaction and stress perception on the quality of life among multiple sclerosis patients- a preliminary study  
Bartłomiej Stańczykiewicz, Wrocław Medical University, Wrocław, Poland
- P16 Title: Time course changes in mood disorders in mice after the systemic administration of lipopolysaccharide  
Choon-Gon Jang, Sungkyunkwan University, Korea
- P17 Title: The Geriatric Psychiatry Inpatient: An Anatomy of Care  
Howard. H. Fenn, Stanford University, USA
- P18 Title: ANGIOTROPIC B CELL LYMPHOMA: A Great Chameleon  
Keerthi Madhurya Kethireddi, East Sussex Healthcare NHS trust, UK
- P19 Title: SPECTRUM OF SCHIZOPHRENIA AND ALCOHOLISM: A comparative cognitive  
Bernadete Marcia Voichcoski, Technological Federal University of Parana/Electronica, Biomedical Engineering, Curitiba, Parana, Brazil
- P20 Title: Comprehensive evaluation of blood-brain barrier-forming micro-vasculatures: Reference and marker genes with cellular composition  
Dao Pan, Cincinnati Children's Hospital Medical Center, USA
- P21 Title: Clinical-epidemiological characteristics of autism spectrum disorder in the Republic of Kazakhstan  
Anastasiya Perfilyeva, Institute of General Genetics and Cytology CS MES RK, Kazakhstan
- P22 Title: De novo mutations of SCN1A and KCNT1 genes at patients with channelopathy forms of epilepsy from kazakhstan  
Leyla Djansugurova, Institute of General Genetics and Cytology CS MES RK , Kazakhstan
- P23 Title: A3 adenosine receptor agonists did not protect hippocampal slices under excitotoxicity conditions  
Karine Bertoldi, Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil
- P24 Title: Quality of Life of Patients with Parkinson's Disease and X-linked Dystonia Parkinsonism who underwent Deep Brain Stimulation  
Arjay Dannug, Makati Medical Center, Phillipnes

## Day 3 : June 06, 2018 (Wednesday) @ Olimpia 1

Moderator [Lucia Carvelli](#), Florida Atlantic University, USA

### Keynote Presentations

- 09.00-09.40 Title: Non Convulsive Status Epilepticus  
[Najib Murr](#), SIU Medecine, USA
- 09.40-10.20 Title: Relationship between spinal cord injury, epigenetic and physical exercise  
[Viviane Elsner](#), IPA Methodist University, Porto Alegre-RS Brazil
- 10.20-11.00 Title: Synchronization and Chaos in Brain Activity  
[Marat Akhmet](#), Middle East Technical University, Turkey
- 11.00-11.20 **Coffee Break** **@ Foyer**
- 11.20-12.00 Title: The Integral Role of Neurosurgery in Managing Rare Craniofacial Anomalies  
[Hazem A. Mostafa](#), Ain Shams University, Egypt

### Oral Presentations

Session on: Alzheimers disease and Dementia care | Neurodegenerative Disorders | Neuro-Oncology and Brain Tumour

Chairs : [P. Hemachandra Reddy](#), Texas Tech University Health Sciences, USA  
[Marat Akhmet](#), Middle East Technical University, Turkey

- 12.00-12.20 Title: Chronic amphetamine exposure during development causes epigenetic and behavioral effects in adult animals and progenyx  
[Lucia Carvelli](#), Florida Atlantic University, USA
- 12.20-12.40 Title: Effects of 20-HETE on angiogenesis and neuroplasticity after experimental ischemic stroke  
[Yu Liu](#), Jinan University, Zhuhai, China
- 12.40-13.00 Title: Movement Analysis and Technological Rehabilitation in the field of pediatric neurological disorders  
[Maurizio Petrarca](#), "Bambino Gesù" Children's Hospital, Italy
- 13.00-13.20 Title : A BTBED child with Comorbidity of Cerebral Palsy, the Cyst of the Corpus Callosum, Parenchymal Cyst, Epilepsy and Cardiac Disease: About an Observation  
[Patrice Ntenga](#), Neurological Clinic of the National Teaching Hospital, FANN, Dakar, Senegal
- 13.20-13.40 Title: Long-term effect of early undernutrition on social transmission of food preferences in rats  
[Lorena Rubio](#), Institute of Neurobiology, Universidad Nacional Autonoma de Mexico, Mexico

NETWORKING

End Note

Lunch Break @ Hotel Restaurant

*We wish to meet you again at*

**INBC-2019**

3<sup>rd</sup> Edition of International Conference on

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BRAIN DISORDERS**

Paris, France



**Conference Dates: June 24-26, 2019**

**Questions? Contact**

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