



WORKSHOP ON NEURODEGENERATIVE DISEASES AND OTHER BRAIN DISORDERS

PRELIMINARY PROGRAM

April 1st

12:00 **Transfer to Varadero**

18:00 **INAUGURATION ACTIVITY**

April 2nd

09:00		Big data and open neuroscience Alan Evans/Canada
09:25		Using the Oxytosis/Ferroptosis Pathway to Understand and Treat Alzheimer's Disease. Pamela Maher/USA
09:50		Update on biofluid-based biomarkers for Alzheimer's disease Henrik Zetterberg/Suiza VIRTUAL
10:15		JNK3 at the crossroads between Diagnosis and treatment of synaptic diseases (NADINE) Tiziana Borsello/Italia
10:40	Molecular Neurosciences	CNEURO-201 is a new dual-target ligand, acting as an anti-amyloidogenic compound and a potent agonist of the σ1 chaperone protein Roberto Menendez/Cuba
11:05		COFFEE BREAK
11:20	Chairman: <i>William Almaguer/Cuba</i>	Promoting functional recovery in streptozocin-induced Alzheimer's disease animal model and enhances physiological memory formation: CNEURO-201. William Almaguer/Cuba
11:45		NEURALCIM: What happened after clinical trial? Two years of treatment and follow up. Leslie Pérez/Cuba
12:10		NeuroEPO as a new therapeutic strategy to avoid consequences of traumatic brain injury Luisa Rocha/Mexico
12:35		EGF and GHRP6 Combined Therapy: A Bench-to-Bedside Journey in Acute Stroke Diana Garcia del Barco/Cuba
13:00	Round Table on Neurostimulation & Neuromodulation Chairman: <i>Rene Gonzalez/Cuba</i>	Effects of transcranial focal stimulation on early gene expression. Sandra Orozco/Mexico
		Non-invasive neuromodulation in refractory epilepsy: Opportunities and Challenges. Daniel San Juan/Mexico
		Transcutaneous vagus nerve stimulation as a complementary treatment in patients with drug-resistant epilepsy: the Cuban experience. (Short Presentation) Vicente Ríos/CUBA
14:00		LUNCH

April 3rd

09:00		Connectomic reserve: the secret connections of the brain Roberto Lent/Brazil
09:25		Spinocerebellar Ataxia Type 2: Unraveling Disease Progression through Clinical, Paraclinical, and Imaging Approaches. Luis Velazquez-Pérez/Cuba
09:50	Ataxias Chairman: <i>Roberto Rodriguez/Cuba</i>	SCA36 and SCA2: so far, so close Maria Jesus Sobrido/España VIRTUAL
10:15		Cerebellum involvement in Sleep and Cognition: Insights from Spinocerebellar Ataxia Type 2 Research. Roberto Rodriguez Labrada/Cuba
10:40		Spinal cord imaging in ataxias Marcondes Franca/Brazil VIRTUAL
11:05		COFEE BREAK
11:25		Big and Small, Left and Right: Neural basis of lateralization of attention Mitchell Valdes/Cuba
11:50		Global/local processing of composite figures and its relation to executive functions. (Short Presentation) Jorge Iglesias/Cuba
12:05		Visual processing outside face network contributes to face recognition: evidence from a case of prosopagnosia (Short Presentation) Maria Antonieta Bobes/Cuba
12:20	Cognitive Neurosciences <i>Maria Antonieta Bobes/Cuba</i>	Cognitive behavioral therapy reverses brain structural alterations in maltreated children (Short Presentation) Eduardo González Alemañy/Cuba
12:35		Proteomic Biomarkers for Depression and Antidepressant Response Mark Rasenick/USA
13:00		Default mode networks emerge on the individual connectome at different criticality in Schizophrenia (Short Presentation) Marlis Ontiveros/Cuba

13:15		Machine Learning for the diagnosis of Schizophrenia based on Event-Related Potentials (Short Presentation) Elsa Santos/Cuba
13:30		Magnetic resonance imaging in the study of neurodegenerative diseases. Cuban experience (Short Presentation) Evelio Gonzalez/CUBA
13:45	Electronic Posters <i>5mins per posters in two distinct TVs</i>	In Search of biomarkers in Amyotrophic Lateral Sclerosis. Barbara Aymee Hernandez/Cuba
		Age-related gait speed slowing predicted from electrophysiological source activity/connectivity Mayrim Vega/Cuba
		Pharmaceutical development of BioCen-128 multidose nasal drops for the treatment of dementia Sachy de la Caridad Rodríguez/CUBA
		Determinants of the prevalence of Alzheimer's disease in Cuban populations: Implications for the design of multiday therapies Yudisleidy López Ricardo/Cuba
		Alterations of emotional regulation in Mental Disorders: Search for transdiagnostic biomarkers. Raul Mendoza/Cuba
		Recombinant antigen to evaluate the humoral response of an Alzheimer's disease vaccine candidate Diana Iris Zamora/Cuba
14:00		LUNCH

April 4th

09:00		Progress on developing oxytocin as a therapy for autism Keith Kendrick/China (Virtual)
09:25		Brain and cognitive development of young children with congenital heart disease: a longitudinal fNIRS study. Anne Gallagher/Canada
09:50		Meta-Analyses of Home-Based Interventions to improve literacy and mathematics outcomes for children between the ages of 3 and 5 years old Nancy Estevez/Cuba
10:15	Neurodevelopment	Multidisciplinary management of infants with a history of neurological risk Paulina Alvarez/Mexico
10:40	Chairman: <i>Nancy Esteves/Cuba</i>	Development of attentional processes in infants with a history of pre- and perinatal risk factors associated with neurological damage. Claudia Calipso/Mexico
11:05		COFEE BREAK
11:25		Early treatment in infants with a history of risk for brain damage Cristina Carrillo/Mexico
11:50		Brain function after early childhood malnutrition : a 50-year follow-up Kasandra Roger/Canada
12:15		Prevention of neurological sequelae in preterm infants Enoe Cruz/Mexico
12:40		LIONirs toolbox for pipeline data processing in fNIRS-based neurodevelopmental studies. (Short Presentation) Eduardo Martinez/Cuba
12:55	Short Presentations (Miscellaneous session)	Design of new compounds for treatment of Alzheimer's disease. QSAR, docking and MD studies Alberto Bencomo/Cuba
13:10	Chairman:	Neuroprotective effect in OF1 mice with cognitive deficiency of the nutraceutical BioCen-118. Yenela García/Cuba

13:25	<i>Eduardo Martinez/Cuba</i>	Prediction of cognitive impairment using spatio-temporal gait features Tania Aznielle/Cuba
13:40	Electronic Posters <i>5mins per posters in two distinct TVs</i>	Efficacy of videogame-based treatment in reducing the attention deficits in Cuban schoolchildren Yuniel Romero Quintana/Cuba
		Development of auditory and linguistic skills of children with cochlear implants at an early age. Yaimara Hernandez Lima/Cuba
		Morphometric characteristics and integrity of white matter in children with Neurofibromatosis Type 1 and learning difficulties Myladis Orraca/Cuba
		Psychomotor development as a direct and positive indicator of child health. Maria del Carmen Machado/Cuba
		Pharmacokinetics of CNEURO-201 for the Treatment of Alzheimer's Disease: Preliminary Results. Yainelis Garrido/CUBA (Neuronic-Mexicana)
		Evaluation of the Translation of Preclinical Results of the EGF+GHRP6 Combined Therapy in acute stroke to the clinical scenario Neyvis Subirós-Martínez/Cuba
		Design, development and evaluation of an assay for allelic typing of Apolipoprotein E. Yulaimy Batista Lozada/CUBA
	Meta-analysis of randomized controlled trials for different treatments for Alzheimer's disease. Carmen Viada/Cuba	
14:00		LUNCH

April 5th

9:00	<p>Round Table on Neuroinformatics Chairman: <i>Pedro Valdes/Cuba</i></p>	<p>Population Brain Health and Neurotechnology Pedro Valdes Sosa/Cuba-China</p> <hr/> <p>Understanding the nonlinear brain Ludovico Minati/China (Virtual)</p> <hr/> <p>Model comparison in the context of fMRI encoding: current practice and challenges (Short Presentation) Agustin Lage/Cuba</p>
10:05	<p>Round Table on Neurotechnology and Neuroengineering Chairman: <i>Tania Aznielle/Cuba</i></p>	<p>Lab on a chip platforms design and fabrication for drug discovery and disease modeling. Alejandro Portela/España</p> <hr/> <p>Rehabilitation physioengineering: Experiences based on sensors and computation for diagnosis and therapy. Xavier Marañón/España</p>
11:05		COFEE BREAK
11:20	<p>Short Presentations (Miscellaneous session) <i>Joe Gutierrez/Cuba</i></p>	<p>Evaluation of long latency somatosensory evoked potentials in patients with spinocerebellar ataxia type 2. Joel Gutierrez/Cuba</p>
11:35		<p>Policosanol in post-ischemic stroke therapy Javier Vicente Sánchez López/Cuba</p> <hr/> <p>Causal effect of NeuroEPO in motor and cognitive performance in Parkinson Disease. Maria Luisa Bringas/Cuba-China</p> <hr/> <p>Peripheral inflammation in Spinocerebellar Ataxia 2 and its contribution to the clinical phenotype. Yaimee Vazquez/Cuba</p> <hr/> <p>EEG signatures in Cuban Covid-19 survivors Ana Calzado Reyes/Cuba</p> <hr/> <p>Polysomnography Study in COVID-19 Lidia Charró/Cuba</p> <hr/> <p>Development of a methodology for neurotoxicity studies in rodents. Iliana María Sosa Teste/CUBA</p>
11:50-12:25	<p>Electronic Posters <i>5mins per posters in two distinct TVs</i></p>	

In vivo model of permanent unilateral ischemia in the Mongolian gerbil (Meriones unguiculatus) to evaluate the biological neuroprotective activity of NeuralCIM.

Iliana María Sosa Teste/Cuba

Sociodemographic and clinical characteristics of patients with Alzheimer's disease in Villa Clara, Cuba.

Marberlis Guevara/Cuba

Factors associated with motor impairment in patients with Spinocerebellar Ataxia.

Marberlis Guevara/Cuba

Reactogenicity of two antigenic variants of an Alzheimer's disease vaccine candidate.

Mailen Lopez Armenteros/Cuba

Consequences of dementia in older adults and for their caregivers.

Suzanne Guerra González/Cuba

Assessment of Neurodegeneration using MRI

Taimy Amador/Cuba

12:30

Closing Activity
