



Neuroscience and Neurotechnology in the 21st century Symposium

Session/ Tuesday April 26th

Chairman: Antonieta Bobes

Cognitive Neurosciences				
		Speakers	Country	Modality
10:30	11:00	Mark Rasenick. Potential Biomarkers for Depression: The Path to Personalized Diagnosis and Treatment for Psychiatry	USA	Face-to-Face
11:00	11:30	Klaus Mathiak. Symptom-focused neurofeedback: Modulation of networks using fMRI	Germany	Virtual
11:30	12:00	Beatriz de Gelder. Perception of Biological Movement	Netherlands	Virtual
12:00	12:30	Humberto Nicolini. Psychiatric Genetics	Mexico	Virtual
12:30	13:00	Mitchell Valdes. Intra-V1 network topology reflects a perceptual organization	Cuba	Face-to-face
13:00	13:30	Pavel Prado. An integrative approach to EEG connectivity for dementia prediction	Chile	Virtual
13:30	14:30	Lunch		

Chairman: Rosario Torres

Neurodevelopment and Educational Neurosciences				
		Speakers	Country	Modality
14:30	15:00	Gregoire Borst. Towards Deciphering the Fetal Foundation of Normal Cognition and Cognitive Symptoms From Sulcation of the Cortex	France	Virtual
15:00	15:30	Diana Laurillard. What happens in the dyscalculic brain with intervention?	UK	Virtual
15:30	16:00	Roberto Lent. The Secret Connections of Cerebral Cortex: Causes and Consequences of Neuroplasticity	Brazil	Virtual
16:00	16:30	Nancy Estevez. Cuban Initiatives for the protection of neurodevelopment: Experiences and next directions	Cuba	Face-to-Face
Poster session				

Chairman: Jorge Iglesias

16:40	16:50	Jorge Iglesias. Cognitive reappraisal-based fMRI neurofeedback: impact on patients with depression	Cuba	
16:50	17:00	Marlis Ontiverio. Co-fluctuations of neural activity define intra-V1 networks related to perceptual organization.	Cuba	
17:00	17:10	Yusniel Santos. NeuroPlanUS: Neuro-interventional planning platform.	Cuba	
17:10	17:20	Yuniel Romero. Applying Neurosciences to the educational scenario: building a collaborative space.	Cuba	

Session/ Wednesday April 27th

Chairman: Evelio Gonzalez

Neuroimages				
		Speakers	Country	Modality
9:00	10:00	Yuri Andreevich Pirogov . "Multinuclear approaches for MRI and NMR spectroscopy"	Russia	Virtual
9:30	10:00	Miguel Ávila. Functional neuroimaging of the dopaminergic system based on positron emission tomography.	México	Virtual
10:00	10:30	Kamil Udulag. Determining neuronal activity from fMRI signals – macroscopic and mesoscopic models	Canada	Virtual
10:30	11:00	Coffee Break		
Molecular Neurosciences				
11:00	11:30	Maurice Tang-gi. Neuroprotection by agonist of the sigma-1 chaperone in neurodegenerative diseases	France	Virtual
11:30	12:00	Saily Pérez. NeuroEPO in mild-to-moderate Alzheimer's clinical syndrome. Phase 2-3 controlled clinical trial.	Cuba	Face to face
12:00	12:30	Laura García .Amylovis: a novel multi-target candidate for treatment of Alzheimer disease.	Cuba	Face to face
12:30	13:00	Luisa Rocha. Search for therapeutic alternatives for the treatment of severe cranioencephalic trauma.	Mexico	Face to face
13:00	14:00	Lunch		

Chairman: Chryslaine Rodríguez

Molecular Neurosciences				
		Speakers	Country	Modality
14:00	14:20	Diana García. A combined therapeutic approach based on EGF+GHRP6: from lab to clinical trial	Cuba	Face to face
14:20	14:40	Daniela Risco. A combined therapeutic approach based on EGF+GHRP6: a potential tool for cognitive decline	Cuba	Face to face
14:40	15:00	Claudio Rodríguez. Holistic approach strategy for the prevention and treatment of Alzheimer's disease. A BioCen Project.	Cuba	Face to Face
15:00	15:30	Javier Sánchez. Policosanol: beyond the stroke	Cuba	Face to Face
15:30	16:00	Florencia Arredondo. A novel in vitro model for the study of the role of astrocytes in Alzheimer's Disease	Uruguay	Virtual

Poster session

Chairman: Marquiza Sablón

16:10	16:20	Yamilé Peña. Brain Perfusion Studies. Evaluation of patients with Alzheimer's disease treated by nasal administration of NeuroEPO.	Cuba	
16:20	16:30	Ivonne Pedrosa Ibáñez. Erythropoietin and Parkinson's disease. International Center of Neurological Restoration results and experience	Cuba	
16:30	16:40	Roberto Rodríguez Labrada. Erythropoietin in Spinocerebellar Ataxia type 2: feasibility and proof-of-principle issues from a randomized controlled study	Cuba	
16:40	16:50	Suchitil Rivera. [18F] Amylovis, as a potential PET probe for detecting β -amyloid plaques	Cuba	
16:50	17:00	Roberto Menéndez. Amylovis: A new family of compounds for the treatment of Alzheimer's disease.	Cuba	
17:00	17:10	Luis Arturo Fonseca . Neuroprotective potential of a novel multitarget hybrid molecule, JM-20, in in vivo and in vitro model of Parkinson's disease.	Cuba	
17:10	17:20	Maylín Wong . JM-20 protects memory damage in different in vivo models of cognitive impairment".	Cuba	

17:20	17:30	Jeney Ramírez Sánchez. JM-20, new multifunctional molecule for the treatment of ischemic stroke: past progress and future prospects".	Cuba	
17:30	17:40	Yoanna M Álvarez Ginarte. "Identification of selective inhibitors against BACE 1 over BACE 2 in Alzheimer's disease by Quantitative Structure-Activity Relationship (QSAR)".	Cuba	

Session / Thursday April 28th

		Speakers	Country	Modality
9:00	9:30	Thomas Von Zgliniski. Cell senescence and neuroinflammation	UK	Face to face
II MEETING OF THE PANAMERICAN NETWORK OF HEREDITARY ATAXIAS				
Chairman: Luis Velazquez				
		ATAXIA		
9:30	10:00	Luis Velázquez-Perez Novel Biomarkers for SCA2	Cuba	Face to face
10:00	10:30	Laura Bannach Jardim. Biomarkers progression during preclinical stages of SCA3/MJD-BIGPRO study	Brazil	Virtual
10:30	11:00	Tetsuo Ashizawa. REDISCA project: an update	USA	Virtual
11:00	11:30	Coffee Break		
11:30	12:00	Gulin Oz. Clinically meaningful MR endpoints sensitive to preataxic and early ataxic stages of SCA: Baseline results of READISCA	USA	Virtual
12:00	12:30	Sheng-Han Kuo. Novel pathophysiology of tremor and ataxia	USA	Virtual
12:30	13:00	Aaron D. Gitler. Two new SCA2 therapeutic targets (and one drug)	USA	Virtual
13:00	14:00	Lunch		
Chairman: Luis Velazquez				
		ATAXIA		
		Speakers	Country	Modality
14:00	14:30	Marcondes Franca Jr. Neuroimaging in RFC1-related ataxia	Brazil	Virtual
14:30	15:00	Fay Horak. Digital measures of Integrated Balance Control for Ataxia	USA	Virtual
15:00	15:30	Christopher Gómez. Cortical correlates of gait in pre-manifest and early spinocerebellar ataxia: a pilot study	USA	Virtual
15:30	16:00	Stefan M. Pulst. ATXN2-complex proteins	USA	Virtual
16:00	16:30	José Luiz Pedroso . OCT as biomarker in hereditary ataxias	Brazil	Virtual
16:30	17:00	Sandro Ramanzetti. Longitudinal, Multimodal MRI Characterization of the unique Cuban SCA2 cohort	Germany	Face to Face
		Poster session		
Chairman: Karen Leon				
17:00	17:10	Yaimee Vázquez Mojena. Profile of peripheral inflammation in Spinocerebellar Ataxia type 2	Cuba	
17:10	17:20	Consuelo González. Neuroprotection for Ataxia diseases	Cuba	
17:20	17:30	Yulaimy Batista Lozada "Apolipoprotein E genotyping: a tool in late-onset Alzheimer's disease and other neurodegenerative, metabolic and cardiovascular disorders".	Cuba	
17:30	17:40	Mayra Gonzalez-Hurtado. Synthesis and characterization of nanostructured materials for biomedical applications in neurodegenerative diseases.	Cuba	

Session/ Friday April 29th

Chairman: Eduardo Martinez

Neuroinformatics				
9:00	10:00	Pedro Valdés Sosa. The multinational EEG normative project of the Global Brain Consortium	Cuba / China	Virtual
9:30	10:00	Maria Luisa Bringas Early protein energy malnutrition impacts life-long developmental trajectories of the sources of EEG rhythmic activity	Cuba / China	Virtual
10:00	10:30	Peng Ren Wearable device to assess gait patterns of the patients with brain disorder for long-term home disease progression monitoring.	China	Virtual
10.30	11.00	Matías Bossa Progression models of Alzheimer's disease: a tool for disease understanding, prognostic prediction and clinical trial design.	Belgium	Virtual
11:00	11:30	Coffee Break		
11:30	12:00	Gabriela Maldonado Vargas. Cognitive status and neuropsychiatric symptoms in adults.	México	Virtual

Poster session

Chairman: Lidice Galán

12:00	12:10	Eduardo Aubert The Cuban Human Brain Mapping Project, a young and middle age population-based EEG, MRI, and cognition dataset	Cuba	
12:10	12:20	Antonio García Human head FEM model for the study of cerebral ischemia and hemorrhage.	Cuba	
12:20	12:30	Ana Calzada EG Signatures in COVID-19 Survivors.	Cuba	
12:30	12:40	Ariel Viñas Introduction to the Longitudinal Study of the Hippocampus in Alzheimer patients in Cuba.	Cuba	
12:40	12:50	Eduardo Martinez Dynamic Causal Modeling of effects of interventions in the Covid-19 epidemics: the Cuban case	Cuba	
12:50	13:00	José Carlos Mendosa. Catpal: A tool for managing document metadata in the Mendeley bibliographic manager.	Cuba	
13:00	14:00	Lunch		