



LATBrain



UNAH

UNIVERSIDAD NACIONAL
AUTÓNOMA DE HONDURAS

SYMPOSIUM

LATBRAIN

2022

"Current status and
challenges of research in
Latin America on
Neurodegenerative
Diseases and Epilepsy"

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Neurodegenerative Diseases and Epilepsy"

THURSDAY

October 27th

8:00 a.m. - 9:00 a.m.

Opening ceremony

Prof. Wolfgang Grisold. President of the World Federation of Neurology.
Dr. Adrián Palacios. Presidente de IBRO-LARC.

**Tribute to great recently deceased Latin American Neuroscientists:
Dr. Hernán Pimienta, Dr. Ricardo Tapia & Dr. Ricardo Velluti**

Session 1

State of the art of Alzheimer's disease in Latin America

09:00 a.m. - 10:00 a.m.

Plenary session 1.1 - Degenerative dementias: looking at the present and imagining the future.

Dr. Ricardo Allegri. Profesor de Neurología, Fac. de Medicina, Univ. de Bs As., CONICET, Instituto de Invest. Neurológicas, FLENI, Argentina.

Plenary session 1.2 - Alzheimer's disease: Role of the WNT signaling pathway.

10:00 a.m. - 11:00 a.m.

Dr. Nivaldo Inestrosa. Centro de Excelencia en Biomedicina de Magallanes, Universidad de Magallanes, Punta Arenas, y Centro de Envejecimiento y Regeneración, Pontificia Universidad Católica de Chile, Chile

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Symposium 1

Alzheimer's disease in Latin America

11:00 a.m. - 11:30 a.m.

Multidisciplinary study on the relationship between the microbiota and Alzheimer's disease in Mexican women.

Dra. Claudia Pérez Cruz. Centro de Investigación y de Estudios Avanzados del IPN. México.

Molecular imaging in Alzheimer's disease: Latin American perspective.

11:30 a.m. - 12:00 p.m.

Dr. Andrés Damián. Centro Uruguayo de Imagenología Molecular y Centro de Medicina Nuclear e Imagenología Molecular, Hospital de Clínicas, Universidad de la República, Uruguay

12:00 p.m. - 12:30 p.m.

Nuclear receptors: potential therapeutic alternative in Alzheimer's disease.

Dr. Gonzalo Arboleda. Departamento de Patología e Instituto de Genética, Facultad de Medicina, Universidad Nacional de Colombia, Colombia.

Session 2

State of the art of Parkinson's disease in Latin America

01:00 p.m. - 02:00 p.m.

Plenary session 2.2 - What about research in Parkinson's disease.

Dr. Juan Segura-Aguilar. Molecular & Clinical Pharmacology, ICBM, Faculty of Medicine University of Chile, Chile.

02:00 p.m. - 03:00 p.m.

Plenary session 2.1 - Cannabinoid: neuropsychiatric / neurodegenerative disorders treatment in a glance.

Prof. Elaine Del-Bel - Universidade de São Paulo- Faculdade de Odontologia de Ribeirão Preto, Departamento de Biologia Básica e Oral.

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Symposium 2

Parkinson's disease in Latin America

03:00 p.m. - 03:30 p.m.

Advances in the study of the role of glial cells in Parkinson's disease.

Dra. Giselle Prunell. Laboratorio de Mecanismos de Neurodegeneración y Neuroprotección, Departamento de Neuroquímica. Instituto de Investigaciones Biológicas Clemente Estable, Uruguay.

03:30 p.m. - 04:00 p.m.

Neuronal differentiation of stem cells as a strategy to control Parkinson's disease.

Dr. Iván Velasco. Instituto de Fisiología Celular de Universidad Nacional Autónoma de México, México.

04:00 p.m. - 04:30 p.m.

Necroapoptosis: a therapeutic target to halt age-dependent cognitive decline and promote brain rejuvenation.

Dr. Felipe Court. Center for Integrative Biology, Universidad Mayor, Chile. FONDAF Geroscience Center for Brain Health and Metabolism, Chile. Buck Institute for Research on Aging, Novato, USA

4:30 p.m. - 6:00 p.m.

Presentation and discussion of panels (posters) concerning the topics included in this Symposium.

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FRIDAY

October 28th

Session 3

State of the art of Epilepsy in Latin America

09:00 a.m. - 10:00 a.m.

Plenary session 3.1 - Update on the diagnosis and treatment of epilepsy resistant to antiepileptic medication in adults.

Dra. Silvia Kochen. Unidad Ejecutora en Neurociencias y Sistemas Complejos, CONICET. Universidad Nacional A. Jauretche, Hospital El Cruce "N. Kirchner", F. Varela, Pcia Buenos Aires.

Symposium 3

Epilepsy in Latin America

10:00 a.m. - 10:30 a.m.

Research in neurology and epilepsy: the challenge N.

Dra. Patricia Braga. Directora del Programa de Cirugía de Epilepsia. Instituto de Neurología, Hospital de Clínicas Manuel Quintela. Facultad de Medicina, Universidad de la República, Uruguay

10:30 a.m. - 11:00 a.m.

Epilepsy in Mexico: Current opportunities and challenges.

Dr. Daniel San Juan Orta. Médico adscrito a la Clínica de Epilepsia. Instituto Nacional de Neurología y Neurocirugía. México.

11:00 a.m. - 11:30 a.m.

Approach to drug-resistant epilepsies in Cuba. Predictive and prognostic value of multimodal markers of epileptogenicity.

Dra. Lilia Morales Chacón. Subdirectora del Centro Internacional de Restauración Neurológica. Cuba.

11:30 a.m. - 12:00 p.m.

Experience in Epilepsy Surgery in Chile and Latin America.

Dr. Manuel Campos. Director del Centro Avanzado de Epilepsias. Clínica Las Condes. Chile.

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Session 4

State of the art of Ataxias and Neuromuscular Degenerative Diseases in Latin America

01:00 p.m. - 2:00 p.m.

Plenary session 4.1. - Hereditary ataxias in Latin America: A view from Translational Medicine.

Dr. Luis Velázquez Pérez. Presidente de la Academia de Ciencias sobre Epidemiología de las Ataxias Hereditarias en Latinoamérica. Cuba.

Symposium 4

State of the art of Neuromuscular Degenerative Diseases in Latin America

02:00 p.m. - 02:30 p.m.

The pathogenic role of c-Kit⁺ mast cells in the spinal motor neuron-vascular niche in Amyotrophic Lateral Sclerosis (ALS).

Dr. Emiliano Trias. Laboratorio de Neurodegeneración Instituto Pasteur de Montevideo. Uruguay.

02:30 p.m. - 03:00 p.m.

PolyP unmasked in ALS/DFT: a deceptively simple inorganic polymer existing for billions of years.

Dra. Brigitte van Zundert, Institute of Biomedical Sciences (ICB), Faculty of Medicine & Faculty of Life Sciences, Universidad Andres Bello. Chile.

03:00 p.m. - 05:00 p.m.

Discussion session "Future of brain research in Latin America"

Speakers:

- **Dr. Jorge Vidaurre MD.** Chair, International Affairs Committee, Child Neurology Society. Director, Pediatric Clinical Neurophysiology Fellowship. The Ohio State University. USA.
- **Dr. Ignacio Mata.** Molecular Medicine, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University. USA.
- **Dr. Esper A. Cavalheiro.** Universidade Federal de São Paulo, Brazil.
- **Dr. Marco Tulio Medina.** Universidad Nacional Autónoma de Honduras. Honduras.
- **Dr. Ricardo Allegri.** Instituto de Investigaciones Neurológicas Fleni. Argentina.