

SYMPOSIUM

ALS: Beyond the Motor Neuron 2023

November 13th-14th, 2023 - Montevideo, Uruguay



ORGANIZING INSTITUTIONS:



Institut Pasteur de Montevideo



Instituto de Investigaciones
Biológicas Clemente Estable



Facultad de Medicina,
Universidad de la República

Montevideo, Uruguay

LOCATION:

Institut Pasteur de Montevideo Mataojo 2020

SUPPORTED BY:





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PROGRAM

Monday, November 13th

9:00 - 9:10	Welcome to IPMont: Carlos Batthyany, <i>Institut Pasteur de Montevideo</i>
9:10 - 9:30	Opening and Introduction: Jean Philippe Loeffler, <i>Université de Strasbourg, France.</i> & Emiliano Trias, <i>Institut Pasteur de Montevideo, Uruguay</i>
9:30 - 10:30	Opening Conference: How SOD mutations cause ALS. A thirty-year collaboration - Joseph S. Beckman, <i>Oregon State University, USA</i> Chair: Luis Barbeito
10:30 - 11:30	Coffee break and Poster session
11:30 - 13:30	Mechanisms of neuronal death Chair: Patricia Cassina
	<ol style="list-style-type: none"> 1) Extrinsic mechanisms of motoneuron degeneration in ALS - Cédric Raoul, <i>University of Montpellier, Francia</i> 2) Neurotrophin signaling and astrocyte-mediated neurotoxicity in ALS- Mariana Pehar, <i>University of Wisconsin, School of Medicine and Public Health, USA</i> 3) Nitrated proteins driving cell death and proliferation in the nervous system - María Clara Franco, <i>Center for Translational Science, Florida International University, USA</i> 4) Astrocytic pyruvate dehydrogenase kinase as a target to reduce neuronal death in ALS - Ernesto Miquel, <i>Dept. of Histology & Embryology, Facultad de Medicina, UdelaR, Uruguay</i>
13:30 - 15:00	Lunch and Poster session
15:00 - 16:30	Targeting disease progression in ALS Chair: Mariana Pehar
	<ol style="list-style-type: none"> 1) Role and therapeutic potential of astrocytes in ALS - Marcelo Vargas, <i>University of Wisconsin, School of Medicine and Public Health, USA</i> 2) Mitochondria in non-neuronal cells: a role in ALS progression? - Patricia Cassina, <i>Dept. of Histology & Embryology, Facultad de Medicina, UdelaR, Uruguay.</i> 3) Unraveling the factors influencing disease progression variability in animal models of ALS – Caterina Bendotti, <i>ALS Center, Dept. of Neuroscience, IRCCS- "Mario Negri" Institute for Pharmacological Research, Italy.</i>
16:30 - 17:30	Coffee break and Poster session



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17:30 - 19:00	Nitro-oxidative stress in neurodegeneration Chair: Joseph S. Beckman
	<ol style="list-style-type: none"> 1) Peroxynitrite and motor neurons after 30 years – Álvaro Estevez, <i>Center for Translational Science, Florida International University, USA</i> 2) Metalloproteomics unveils the potential role of copper proteins in ALS pathogenesis and their therapeutic implications - Blaine Roberts, <i>Department of Biochemistry, Department of Neurology, Emory School of Medicine, Atlanta, USA</i> 3) Unraveling the formation and role of free radicals and oxidants in neurodegenerative diseases. Rafael Radi, <i>CEINBIO, Facultad de Medicina, Uruguay</i>
19:00 - 21:30	Reception Dinner – Club de Pescadores Ramírez

Tuesday, November 14th

8:30 - 10:00	Neuroinflammation in neurodegeneration Chair: Luis Barbeito
	<ol style="list-style-type: none"> 1) Mastocytosis: a rare disease that have enlightened the physiopathology of neurodegenerative diseases - Olivier Hermine, <i>Necker–Enfants Malades Hospital, Institut IMAGINE, France</i> 2) Mast cells as novel therapeutic targets in ALS – Emiliano Trias, <i>Institut Pasteur de Montevideo, Uruguay.</i> 3) RNA regulation of inflammatory responses in glial cells: a novel therapeutic paradigm in treating ALS and other CNS disorders driven by neuroinflammation - Peter King, <i>Dept. of Neurology, University of Alabama at Birmingham, USA.</i>
10:00 - 10:30	Coffee break and Poster session
10:30 - 12:30	Emerging microglia roles in neurodegeneration Chair: Emiliano Trias
	<ol style="list-style-type: none"> 1) Role of CD300f lipid binding immune receptor in the modulation of microglial phenotype - Hugo Peluffo, <i>Universidad de Barcelona, Spain</i> 2) Neuroprotective effects of violacein in a model of inherited amyotrophic lateral sclerosis – Silvia Olivera, <i>Neurobiology and Neuropathology, Instituto de Investigaciones Biológicas Clemente Estable, Uruguay.</i> 3) Microglia as a triggering sparkle for promoting chromatin remodeling and pro-inflammatory gain of function in reactive astrocytes – Alejandro Villarreal, <i>Instituto de Biología Celular y Neurociencias "Profesor Eduardo De Robertis", Facultad de Medicina, UBA, Argentina</i> 4) Characterization of human stem cell-derived microglia expressing mutant forms of SOD1 - Rubén López-Vales, <i>Universidad Autónoma de Barcelona, Spain</i>
12:30 - 14:00	Lunch and Poster session (at the Institut Pasteur de Montevideo)



14:00 - 16:00	Translational medicine in neurodegeneration: Focus on ALS Chair: Laura Martínez-Palma
	<p>1) Genetic contribution to ALS risk and progression – Luc Dupuis, <i>Université de Strasbourg, France.</i></p> <p>2) Oxylipins in ALS – Homero Rubbo, <i>CEINBIO, Facultad de Medicina, Uruguay.</i></p> <p>3) A multidisciplinary approach to treat ALS - Andrea García, <i>CELAU, Uruguay.</i></p> <p>4) Critical overview of therapeutical approach in ALS - Gisella Gargiulo, <i>Centro de Educación Médica e Investigaciones Clínicas, Buenos Aires, Argentina.</i></p>
16:00 - 17:00	Coffee break and Poster session
17:00 - 17:15	<p>4) Presentation PhD student scholarship “Jorge Silva Colomer” - International training in ALS research Emiliano Trías <i>Institut Pasteur de Montevideo, Uruguay.</i> Carolina Rius <i>Fundación Tenemos ELA, Uruguay.</i></p>
17:15 - 17:30	Presentation of ELATAM (ALS Latin American Network) project - Laura Martínez-Palma, <i>Dept. Histología & Embriología, Facultad de Medicina and CELAU, Uruguay.</i>
17:30 - 18:30	Closing conference: Deconstruction of the cellular neurodegenerative microenvironment in ALS - Luis Barbeito, <i>Institut Pasteur de Montevideo, Uruguay</i>
18:30 - 19:00	Closing Luis Barbeito & Joseph Beckman

