

The Patagonia SYNUCLEIN WORKSHOP 2025

Villa La Angostura, Neuquén, Argentina | 17-19th November 2025

The Arrayanes Congress and Convention Center

Workshop Program

Sunday, November 16th

14:00 - 18:00 hs: Registration Open

14:00 - 18:00 hs: Poster placement

Monday, November 17th

08:30 - 09:00 hs: Registration

09:00 - 09:30 hs: Official Opening & Welcome Address

SESSION I

Moderator: Dr. Claudio Fernández Outón

09:30 - 10:00 hs: Dr. Maria Grazia Spillantini

University of Cambridge, United Kingdom

"Multiple facets of alpha-synuclein pathology"

10:00 - 10:30 hs: Dr. Tiago F. Outeiro

University Medical Center Göttingen, Germany

"Understanding biology to classify and treat Parkinson's Disease"

10:30 - 11:00 hs: Dr. Luis Oskar Soto Rojas

Universidad Nacional Autónoma de México (UNAM), Mexico

"A novel preclinical model for the study of alpha-synucleinopathies"

11:00 - 11:30 hs: Dr. Ana Martínez Gil

Consejo Superior de Investigaciones Científicas (CSIC), Spain

"Lymphoblastoid cell lines: A promising model for drug discovery in Dementia with Lewy Bodies"

11:30 - 12:00 hs: Panel Discussion

12:00 - 14:00 hs: Lunch & Posters

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SESSION II

Moderator: Dr. Tiago F. Outeiro

14:00 - 14:30 hs: Dr. Gabriela A. Salvador

Universidad Nacional del Sur, Argentina

"Lipid dysregulation in alpha-synucleinopathies: Lessons from alpha-synuclein"

14:30 - 15:00 hs: Dr. José M. Souza

Universidad de la República, Uruguay

"Nitration of tyrosine residues in alpha-synuclein disrupts canonical fibrillization pathway"

15:00 - 15:30 hs: Dr. René Vidal

Universidad Mayor, Chile

"Unveiling systemic and brain dysfunctions in Parkinson's Disease: Exploring the impact of immunomodulator agents"

15:30 - 16:00 hs: Dr. Debora Foguel

Universidade Federal do Rio de Janeiro, Brazil

"The role of neutrophil extracellular traps on amyloid diseases"

16:00 - 16:30 hs: Panel Discussion

16:30 - 17:00 hs: Coffee Break

SESSION III

Moderator: Dr. José M. Souza

17:00 - 18:30 hs: Selected abstracts

- **Pauline Vessière**

University of Cambridge, United Kingdom

"Periphery to brain spreading of alpha-synuclein in novel Parkinson's Disease mouse models"

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- **Alberto Santiago-Balmaseda**

Universidad Nacional Autónoma de México, Mexico

"Neuroprotective effects of pioglitazone in a model of alpha-synucleinopathy: Evidence from behavioral and histopathological analyses"

- **Antonio dos Santos Silva**

Universidade Federal do Rio de Janeiro, Brazil

"Targeting alpha-synuclein aggregation via hHep1-mediated phase separation: Mechanistic insights into the cochaperone alpha-synuclein interaction"

Tuesday, November 18th

09:00 - 09:30 hs: "MPLbioR - MPINAT: Two countries, one project"

SESSION IV

Moderator: Dr. Debora Foguel

09:30 - 10:00 hs: Dr. Oscar Gershanik

Hospital Universitario Fundación Favaloro, Argentina

"A critical appraisal of alpha-synuclein in Parkinson's Disease: From diagnostic biomarker to therapeutic target"

10:00 - 10:30 hs: Dr. Emilia M. Gatto

Sanatorio de la Trinidad Mitre, Argentina

"Parkinson's Disease and Multiple System Atrophy: A clinical, pathophysiological and genetic overview"

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Villa La Angostura, Neuquén, Argentina | 17-19th November 2025

10:30 - 11:00 hs: Dr. María Cecilia Fernández

Hospital Italiano, Argentina

"Lewy Body Dementia: Latest evidence and best practices"

11:00 - 11:30 hs: Dr. Laura Parkkinen

University of Oxford, United Kingdom

"Pathological profiling of alpha-synuclein aggregates in Parkinson's Disease: search for novel biomarkers and treatment avenues"

11:30 - 12:00 hs: Panel Discussion

12:00 - 14:00 hs: Lunch & Posters

SESSION V

Moderator: Dr. Esteban Vöhringer-Martínez

14:00 - 14:30 hs: Dr. Christian Griesinger

Max Planck Institute for Multidisciplinary Sciences, Germany

"Towards mode of action: Structural biology of lipidic aggregation intermediates with and without modification by anle138b"

14:30 - 15:00 hs: Dr. Bert de Groot

Max Planck Institute for Multidisciplinary Sciences, Germany

"The molecular dynamics of alpha-synuclein and its interaction with small molecules"

15:00 - 15:30 hs: Dr. Claudio Fernández Outón

Universidad Nacional de Rosario, Argentina

"Modulation of the aggregation landscape of alpha-synuclein: A strategy to gain structural and pathological insights"

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15:30 - 16:00 hs: Dr. François Ichas

CNRS Université de Bordeaux, France & Università du Salento, Lecce, Italy

"Synthetic alpha-synuclein fibrils replicate in mice causing MSA-like pathology"

16:00 - 16:30 hs: Panel Discussion

16:30 - 17:00 hs: Coffee Break

SESSION VI

Moderator: Dr. Nicolás A. Rey

17:00 - 18:30 hs: Selected abstracts

- **Lucas do Amaral Martins**

Universidade Federal do Rio de Janeiro, Brazil

"Ayahuasca alkaloids as novel inhibitors of alpha-synuclein amyloid fibril formation"

- **Irina Fernández**

Universidad Nacional de Rosario, Argentina

"Chemical and mechanistic analysis of photodynamic inhibition of alpha-synuclein amyloid fibril assembly"

- **Elizabeth Carrazana**

Universidad Mayor, Chile

"Minimally invasive detection of alpha-synuclein using seed amplification assay for Parkinson's Disease diagnosis in Chilean patients"

- **Aharon Gómez Llanos¹ & Phelippe do Carmo Gonçalves²**

¹Universidad de San Sebastián, Chile; ²Universidad Nacional de Rosario, Argentina

"Disruption of tyr-39 aromaticity weakens PcTS interaction with alpha-synuclein's Master Regulator Sequence: Insights from NMR and MD simulations"

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Wednesday, November 19th

SECCION VII

Moderator: Dr. René Vidal

09:00 - 10.00 hs: Selected abstracts

- **Oriana Benzi Juncos**

Universidad Nacional del Sur, Argentina

"Maneb-induced oxidative stress drives alpha-synuclein upregulation and glial resolution responses"

- **Adolfo Garcia Erustes**

Universidade Federal de São Paulo, Brazil

"Cannabidiol induces autophagy via CB1 receptor and reduces alpha-synuclein cytosolic levels"

- **Cecilia Chavarría**

Universidad de la República, Uruguay

"Modulation of alpha-synuclein-induced microglial activation by food-derived bioactives"

10:00 - 10.30 hs: Dr. Nicolás A. Rey

Pontifícia Universidade Católica do Rio de Janeiro, Brazil

"Systematic development of a new family of N-acylhydrazones to target anomalous aluminum alpha-synuclein interactions: The promising compound MINH"

10:30 - 11:00 hs: Dr. Juan E. Ferrario

Universidad de Buenos Aires, Argentina

"From clinical evidence to the understanding of neuroprotective mechanisms of yerba mate"

11:00 - 11:20 hs: Panel Discussion

11:20 - 12:00 hs: Closing Remarks

12:00 - 14:00 hs: Lunch & Goodbye