



**NEUROTOXICITY SOCIETY**  
<https://www.neurotoxicitysociety.org/>



## **MONTEVIDEO HYATT CENTRIC HOTEL**

**21 - 23 October 2026**

### **WEDNESDAY 21 OCTOBER**

**15:30-16:30** Registration (credentials) and opening

**16:30-17:30 OPENING CONFERENCE: VLADIMIR PARPURA** (International Translational Neuroscience Research Institute, Zhejiang Chinese Medical University, Hangzhou, P.R. China): Astrocytes release glutamate by regulated exocytosis in health and malignancy)

**17:30-19:15 SYMPOSIUM I: NEURODEVELOPMENTAL CNS DISEASES.** Chair: Marta Antonelli

- Mario Herrera-Marschitz (UCHile – Chile): Impaired mitochondrial respiration following perinatal asphyxia in rats assessed with real-time Seahorse technology: reversed by the NAD<sup>+</sup> donor nicotinamide riboside.
- Coral Sanfeliu (CSIC – Spain): Prenatal food exposome: Interaction between neurotrophic and neurotoxic factors
- Evan Bordt (Harvard – USA): Maternal autoimmunity and maternal toll-like receptor 7 stimulation and impacts on offspring neurodevelopment.
- Christopher McPherson (National Institute of Environmental Health Sciences – USA): Identifying key neurodevelopmental processes in a new approach methods battery (NAMs) to efficiently prioritize known developmental neurotoxicants
- Patricia Schuck (UFRJ, Brazil): Galactose neurotoxicity in galactosemia experimental models.

**19:15 - 20:30** Welcome cocktail at the hotel rooftop

## **THURSDAY 22 OCTOBER**

**9:00 – 11:00 SYMPOSIUM II: AGE - DEPENDENT NEUROTOXICITY.** Chair: Gustavo Ferreira

- Florencia Arredondo (CUDIM – Uruguay): Neurotoxic mechanisms mediated by aberrant astroglial cells.
- Juan Beaquis (UBA – Argentina): Chronic neuroinflammation in Alzheimer disease preclinical models
- Andrea Paula Lima (University of Chile - Chile): The Janus face of calcium and ROS: from synaptic plasticity to neurodegeneration in Alzheimer's Disease.
- Italo Mocchetti (Georgetown Univ - USA): Role of amyloid beta in HIV induced neurotoxicity
- Harry Steinbusch (Maastrich University -The Netherlands): Neurotoxicity, autophagy dysfunction and brainstem neurodegeneration: linking Alzheimer's disease and depression.

**11:00 – 11:30 Coffee break**

**11:30 – 13:00 SYMPOSIUM III: AGE - DEPENDENT NEUROTOXICITY II.** Chair: Rita Raisman-Vozari

- Rosario Moratalla Villalba (Cajal Institute – Spain): Beyond motor symptoms: hidden molecular mechanisms in Parkinson's disease
- Miriam Beatriz Virgolini (UNC – Argentina): Pesticides, redox imbalance, and dopaminergic vulnerability: mechanistic insights into parkinsonism
- Elaine Aparecida Del Bel (USP – Brazil): TRPV1-Ca<sup>2+</sup>-nNOS signaling gates cannabidiol efficacy in L-DOPA-induced dyskinesia
- Jean Harry (NIH – USA): NLRP3 inflammasome activation - so much more than IL-1 release

**13:00 – 15:00 Free time for lunch**

**15:00 – 16:30 SYMPOSIUM IV: NOVEL UNDERLYING MECHANISMS IN NERVOUS SYSTEM DISEASES.** Chair: Silvia Olivera-Bravo

- Gustavo Ferreira (UFRJ - Brazil): Altered astrocyte metabolism in CNS disorders
- Helena Cimarosti (UFSC – Brazil): Sumoylation in neurodegeneration and neuroprotection.
- Henning Ulrich (USP - Brazil): Kinin signaling in neuroprotection and neurodegeneration
- Hercules Freitas (UFRJ – Brazil): Citrate happens: the age-dependent biology of SLC13A5

**16:30 – 18:00 Coffee break and posters**

**18:00 – 19:30 SYMPOSIUM V: CANNABINOIDS AND PSYCHOSTIMULANTS IN CNS.** Chair: Gerardo Romanelli

- Carolina Echeverry (IIBCE – Uruguay): Cannabidiol and related compounds as potential neuroprotectants
- Francisco Guimarães (USP - Brasil): The multi-target mechanisms of cannabidiol in neuropsychiatric disorders
- Paul Ruiz (UdelaR – Uruguay): Consumption of psychoactive substances in Uruguay
- Giselle Prunell (IIBCE – Uruguay): Molecular signatures of N,N-dimethyltryptamine (DMT) action: linking receptor engagement to structural plasticity.

**19:30 – 20:30 GENERAL CONFERENCE: MARÍA TRINIDAD HERRERO (UM - Spain):** Role of the amygdala and chronic stress in neurodegeneration.

**FRIDAY 23 OCTOBER**

**08:30 – 09:30 GENERAL CONFERENCE: ROMMY VON BERNHARDI (USACH – Chile):** Aging and neuroinflammation affects microglia-neuron regulation mediated by fractalkine. Its effects on neuronal function

**09:30 – 10:45 SYMPOSIUM VI: NEURON-GLIA INTERACTION IN HEALTH AND DISEASE.** Chair: Silvia Costa

- George Barreto (Limerick – Ireland): Gender and metabolism as critical variables in CNS disorders
- Eugenia Isasi (UdelaR – Uruguay): Neurovascular dysfunction in CNS diseases
- Silvia Olivera-Bravo (IIBCE – Uruguay): Contribution of altered glial phenotypes to neurotoxicity in ALS SOD1G93A rats
- Vedrana Montana (ITNR – China): Two tales of astrocyte pathology: Alzheimer disease and amyotrophic lateral sclerosis

**10:45 – 11:15 Coffee break**

**11:15 – 12:45 SYMPOSIUM VII: NATURAL PRODUCTS AND NUTRITION AS NEUROPROTECTIVE TOOLS.** Chair: Giselle Prunell

- Silvia Costa Lima (UFBA – Brazil): Recent discoveries related to flavonoids' neuroprotective actions
- Carmen Bolatto (UdelaR – Uruguay): Wine pomace therapy in Drosophila models of systemic and neural inflammation
- Rita Raisman-Vozari (France): Effects of tetracyclines in experimental models of neurodegenerative diseases
- Marco Lazo (UA – Ecuador): Foodomics and neuroprotection

**13:00 – 15:00 Free time for lunch**

**15:00 – 16:45 SYMPOSIUM VIII: STATE OF THE ART APPROACHES TO THE CNS STUDY AND TREATMENT.** Chair: Patricia Schuck

- Gonzalo Jorquera (INTA – Chile): Effects of fecal microbiota transplantation on cognitive functions
- Gerardo Romanelli (IIBCE – Uruguay): Age and sex-dependent effects on the motor unit in a preclinical model of amyotrophic lateral sclerosis
- Alejandra Kun (School of Sciences, IIBCE – Uruguay): In vivo ultrafast Doppler imaging, confocal microscopy and behavioral approaches
- Eliseo Eugenin, Ph.D. (UTMB Texas Univ - USA): Novel mechanisms of NeuroHIV in the aging HIV infected population

**16:45 – 19:00 Coffee Break and posters**

**19:00 – 20:00 CLOSING CONFERENCE: MICHAEL ASCHNER** (Albert Einstein College of Medicine – USA): From worms to humans: leveraging *C. elegans* to understand neurotoxic mechanisms

**20:00 – 20:15** Closing

**20:15 – 22:00** Artistic event and dinner (pre-registration required)

**SATURDAY 24 - 25 OCTOBER**

***SATELLITE MEETING***