



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



PRELIMINARY PROGRAM

MONDAY 19 OCTOBER

- 08:45-09:00 Welcome and Opening by School Directors.
- 09:00-09:30 Neuronal damage and the most advanced neuroprotective strategies. Rita Raisman-Vozari (France)
- 09:30-10:00 Role of astrocytic metabolism in CNS function. Gustavo Ferreira (Brazil)
- 10:00-10:30 Coffee break**
- 10:30-11:00 Inborn errors of metabolism that affect the CNS. Patricia Schuck (Brazil)
- 11:00-12:00 Student's presentation
- 12:00-14:00 Lunch. Meet the experts I:** Nutrition as a neuroprotective tool. Nicolás Tobar (Chile) and Diego Querzé (Argentina), REDLANN
- 14:15-19:00 Hands-on**
- 19:30-21:00 Meet the experts II:** Traditional and non-traditional experimental models to assess neurodegeneration and neuroprotection. Carmen Bolatto and Giselle Prunell (Uruguay), REDLANN

TUESDAY 20 OCTOBER

- 09:00-09:30 Involvement of the neurovascular unit in CNS diseases. Silvia Olivera Bravo (Uruguay)
- 9:30-10:00 Last advances in Parkinson disease. Miriam Virgolini (Argentina)
- 10:00-10:30 Coffee break**
- 10:30-11:15 Cannabinoids as neuroprotectant compounds. Elaine Aparecida Del Bel (Brazil)
- 11:15-12:00 CNS disorders: when and how does sex matter? María Trinidad Herrero (Spain)

12:00-14:00 **Lunch. Meet the experts III:** Diversity and inclusion in science (gender, ethnicity, religion, others). María Trinidad Herrero (Spain) and Rommy von Bernhardt (Chile)

14:15-18:00 **Hands-on**

18:30-20:00 **Meet the experts IV:** Tips to design a project/or write a paper. Silvia Olivera (Uruguay) and Gustavo Ferreira (Brazil).

WEDNESDAY 21 OCTOBER

09:00-10:30 Your paper needs a buddy: using companion statistical reports. Hércules Freitas (Brazil)

10:30-11:00 **Coffee break**

11:00-12:00 Glial cells in normal and pathological conditions. Vladimir Parpura (China)

12:00-13:00 **Hands on presentations**

13:00-15:00 **Lunch. Faculty and student exchange. Closing remarks.**

PROPOSED HAND ON ACTIVITIES

- In vivo imaging of brain perfusion using Doppler Ultrafast (A Kun)
- PET and PET/SPECT approaches in CNS preclinical disease models (F Arredondo, E Savio)
- Features of neuronal cell membranes analyzed by atomic force microscopy (JC Benech)
- Electromyography and expression of nicotinic receptors in ALS preclinical models (P Aguilera, G Romanelli)
- Analysis of 2D and 3D neuron-glia/neuron-glia-vascular co-cultures (S Olivera-Bravo, E Isasi)
- Evaluation of psychedelics' neuroplastic effects (G Prunell)