



NEUROTOXICITY SOCIETY

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NTS School

Basic and Translational Approaches to Study Nervous System Disorders

Coordinators: Drs. Silvia Olivera-Bravo, Gerardo Romanelli and Giselle Prunell

PRELIMINARY PROGRAM

MONDAY 19 OCTOBER

08:45-09:00 Welcome and Opening by School Directors.

09:00-09:30 Neuronal damage and the most a

dvanced 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

14:00-18:30 Hands-on

19:00-20:30 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)

14:10-18:30 Hands-on

19:00-20:30 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-glial/neuron-glial-vascular co-cultures (S Olivera-Bravo, E Isasi)
- Evaluation of psychedelics' neuroplastic effects (G Prunell)