

## **LASSE IV: Epilepsy and Time**

**Period: 01 – 10 February 2010**

**Venue: Santa Monica Hotel and Convention Center – São Paulo, Brazil**

### **01.02 – Time-perspective in epilepsy syndromes: changes in seizure semiology through age**

08:30 – 10:00	Opening and welcome address
10:00 – 10:30	Coffee-break
10:30 – 11:30	In the neonatal period – Perrine Plouin (France)
11:30 – 12:30	In the infancy – Perrine Plouin (France)
12:30 – 14:00	Lunch
14:00 – 15:00	In the childhood – Vera Terra (Brazil)
15:00 – 16:00	In the adolescence – Elza Márcia Yacubian (Brazil)
16:00 – 16:30	Coffee-break
16:30 – 17:30	In the adulthood – Veriano Alexandre Junior (Brazil)
17:30 – 18:30	In the elderly – Carlos Guerreiro (Brazil)
19:00 – 20:00	Dinner
20:00 – 21:00	The time arrow – Evando Mirra (Brasil)

### **02.02 – Setting the stage**

08:30 – 09:30	Time in the brain ( <i>classical chronobiology</i> ) - Diego Golombek (Argentina)
09:30 – 10:30	Clock and clock-related genes: Keith Okamoto (Brazil)
10:30 – 11:00	Coffee-break
11:00 – 12:00	Neurons over time: birth, migration and aging of neurons, a lifetime journey with particular reference to the neo- and archicortex and epilepsy – Marina Bentivoglio (Italy)
12:00 – 14:00	Lunch

- 14:00 – 15:00      Neuronal subtype specification and the balance excitation-inhibition in the developing cerebral cortex - Marcos R. Costa (Brazil)
- 15:00 – 16:00      Glial cells over time: glia in brain development and brain aging, time related events in the glial response to insults – Marina Bentivoglio (Italy)
- 16:00 – 16:30      Coffee-break
- 16:30 – 17:30      Epilepsy centuries ago - F. Mario Fales (Italy)
- 18:30 – 20:00      Dinner
- 20:00 – 21:00      Marcel Proust and time - Marina Bentivoglio (Italy)

### **03.02 - Building-up epilepsy over time**

- 08:30 – 09:30      Understanding the synapse – Rafael Gutierrez (México)
- 09:30 – 10:30      Not a simple brake – the complex mechanisms of GABAergic inhibition – Andreas Draguhn (Germany)
- 10:30 – 11:00      Coffee-break
- 11:00 – 12:00      The GABA and how dynamic chloride explains seizure generation – Y. Ben-Ari (France)
- 12:00 – 14:00      Lunch
- 14:00 – 15:00      It's time to seize: temporo-spatial relationship of epileptic discharge – Roberto Spreafico (Italy)
- 15:00 – 16:00      What determines the transition from normal to seizure activity? – F. Lopes da Silva (Netherlands)
- 16:00 – 16:30      Coffee-break
- 16:30 – 17:30      High frequency activity in the human epileptic brain – J. Engel Jr. (USA)
- 17:30 – 18:30      Temporal aspects of very fast brain oscillations prior to seizures - Roger Traub (USA)
- 18:30 – 20:00      Dinner
- 20:00 – 21:00      The aberrant kainate synaptic currents and how they are crucial in TLE – Y. Ben – Ari (France)

#### **04.02 – Electro-clinical manifestations of epilepsies over time – Hans Lüders (USA)**

08:30 – 09:30	General principles of ictal semiology
09:30 – 10:30	Auras and autonomic seizures
10:30 – 11:00	Coffee-break
11:00 – 12:00	Dialectic seizures
12:00 – 13:00	Motor seizures
13:00 – 14:30	Lunch
14:30 – 15:30	Special seizures
15:30 – 16:30	Lateralizing signs
16:30 – 17:00	Coffee-break
17:00 – 18:00	Classification of the Epilepsies
19:00 – 20:00	Dinner
20:00 – 21:00	Spatial aspects of very fast brain oscillations prior to seizures – Roger Traub (USA)

#### **05.02 – The 24 hours period**

08:30 – 09:30	The neural regulation of sleep and awakening: Marina Bentivoglio (Italy)
09:30 – 10:30	Timing of epileptic phenomena across the 24 hours day in different epilepsy syndromes- influence of level of vigilance and other factors – Peter Halasz (Hungary)
10:30 – 11:00	Coffee-break
11:00 – 12:00	Epilepsy and sleep – Fernando Cendes (Brazil)
12:00 – 14:00	Lunch
14:00 – 15:00	Cognitive consequences of epileptic discharges during NREM sleep in certain childhood epilepsies and their possible mechanisms – Peter Halasz (Hungary)

- 15:00 – 16:00      Development of EEG epilepsy patterns through age – Perrine Plouin (France)
- 16:00 – 16:30      Coffee-break
- 16:30 – 18:00      Complementary and alternative therapies in epilepsy – Steven Schachter (USA)
- 18:30 – 20:00      Dinner
- 20:00 – 21:00      Dynamics of phase transitions in epilepsies – Fernando Lopes da Silva (Netherlands)

**06.02 – Months**

- 08:30 – 09:30      Epileptic encephalopathies through age – Perrine Plouin (France)
- 09:30 – 10:30      Hormonal cycles and epilepsy – A. Herzog (USA)
- 10:30 – 11:00      Coffee-break
- 11:00 – 12:00      Ultradian rhythms and disorders of reproduction in women with epilepsy – A. Herzog (USA)
- 12:00 – 14:00      Lunch
- 14:00 – 18:00      Free for group discussion
- 18:30 – 20:00      Dinner
- 20:00 – 21:00      ALADE evening

**07.02 - Years: what changes over time?**

- 08:30 – 09:30      Epileptic encephalopathies in different age groups – Patricia Campos (Peru)
- 09:30 – 10:30      Growing old with epilepsy in humans – Peter Wolf (Denmark)
- 10:30 – 11:00      Coffee-break
- 11:00 – 12:00      Role of multimodal neurophysiology in life-long evaluation of people with epilepsy – Alicia Bogacz (Uruguay)
- 12:00 – 14:00      Lunch
- 14:00 – 15:00      Single epileptic seizure – Jaime Carrizosa (Colombia)

- 15:00 – 16:00 Childhood Absence Epilepsy evolving to Juvenile Myoclonic Epilepsy – Marco Tulio Medina (Honduras)
- 16:00 – 19:00 Group discussion
- 19:30 – 22:00 Dinner

### **08.02 - Epilepsy and the time of disease**

- 08:30 – 09:30 Precipitation or inhibition of seizures: a question of timing – Peter Wolf (Denmark)
- 09:30 – 10:30 Natural history of temporal lobe epilepsy - the importance of time - Pete Engel (USA)
- 10:30 – 11:00 Coffee-break
- 11:00 – 12:00 Epilepsy and stroke – Mario Alonso (México)
- 12:00 – 14:00 Lunch
- 14:00 – 15:00 Is there a specific time for SUDEP? Experimental and clinical findings – Fulvio A. Scorza (Brazil)
- 15:00 – 16:00 Epilepsy and neurocisticercosis – F. Rubio Donnadieu (México)
- 16:00 – 16:30 Coffee-break
- 16:30 – 17:30 Epilepsy and neural infections - Krister Kristensson (Sweden)
- 17:30 – 18:30 Photosensitivity: a time-dependent genetic trait – Patricia Braga (Uruguay)
- 19:00 – 20:00 Dinner

### **09.02 – Time-perspective in the treatment of the epilepsies**

- 08:30 – 09:30 Timing of AED application - Peter Wolf (Denmark)
- 09:30 – 10:30 Chronic effects of the antiepileptic drugs over time - Luisa Rocha (México)
- 10:30 – 11:00 Coffee-break
- 11:00 – 12:00 Expectations and results of epilepsy surgery in children - Helio Machado (Brazil)
- 12:00 – 14:00 Lunch

14:00 – 15:00	Expectations and results of epilepsy surgery in adults with MTLE- Mario A. Alonso (México)
15:00 – 16:00	Expectations and results of epilepsy surgery in adults with extra-temporal epilepsies – Manuel Campos (Chile)
16:00 – 16:30	Coffee-break
16:30 – 17:30	Expectations and results of epilepsy surgery: why, when and how to withdraw the pharmacological treatment - Americo Sakamoto (Brazil)
19:30 – 21:00	Dinner

## **10.02 – Students presentation**