



Giornate di Studio sull'Eccitabilità Neuronale

Anno VII

June 3-6, 2010 - Agriturismo "Villa Barberino"
52020 Meleto V. Cavriglia (AR), Italy

FINAL PROGRAM

Thursday June, 3

Arrival in the late afternoon

20:00 Dinner

Friday June, 4

8:30 breakfast

10:00-12:30 Data Jam Session: WHAT'S NEW WITH MENTAL RETARDATION SYNDROMES

Discussant: Pietro Chiurazzi, John Jefferys, Massimo Avoli and the rest of the crowd.

13:00 Lunch

14:30-17:00 Session 1: NEURONAL DEATH AND EPILEPTOGENESIS

Reduced hippocampal damage and epileptic seizures after status epilepticus in mice lacking proapoptotic Puma.

Engel T, Murphy BM, Hatazaki S, Jimenez-Mateos EM, Concannon CG, Woods I, Prehn JH, Henshall DC. FASEB J. 2010, 24:853-861.

Presenter: *Giuseppe Biagini*

15:50-16:10 Coffee break

Surviving hilar somatostatin interneurons enlarge, sprout axons, and form new synapses with granule cells in a mouse model of temporal lobe epilepsy.

Zhang W, Yamawaki R, Wen X, Uhl J, Diaz J, Prince DA, Buckmaster PS. J Neurosci. 2009, 29:14247-56.

Presenter: *Gabriella Panuccio*

17:00-20:00 Free time

20:00 Dinner

Saturday June, 5

8:30 breakfast

10:00-12:30 **Session 2: FROM EPIGENETICS TO GABA**

Epigenetic modulation of seizure-induced neurogenesis and cognitive decline.

Jessberger S, Nakashima K, Clemenson GD Jr, Mejia E, Mathews E, Ure K, Ogawa S, Sinton CM, Gage FH, Hsieh J. J Neurosci. 2007, 27:5967-75.

Presenter: *Fabio Gualtieri*

10:50-11:10 coffee break

Quantitative dynamics and spatial profile of perisomatic GABAergic input during epileptiform synchronization in the CA1 hippocampus.

Marchionni I, Maccaferri G. J Physiol. 2009, 587:5691-708.

Presenter: *Vadim Gnatkowsky*

13:00 Lunch

Afternoon Free time

20:00 Dinner

Sunday, June 6

8:30 breakfast

9:00-11:30 **Session 3: SYNAPTIC AND NON-SYNAPTIC MECHANISM IN BRAIN FUNCTION**

A nonsynaptic mechanism underlying interictal discharges in human epileptic neocortex
Roopun AK, Simonotto JD, Pierce ML, Jenkins A, Nicholson C, Schofield IS, Whittaker RG, Kaiser M, Whittington MA, Traub RD, Cunningham MO. Proc Natl Acad Sci U S A. 2010, 107:338-43.

Presenter: *Rudiger Koheling*

9:50-10:10 coffee break

The human K-complex represents an isolated cortical down-state.
Cash SS, Halgren E, Dehghani N, Rossetti AO, Thesen T, Wang C, Devinsky O, Kuzniecky R, Doyle W, Madsen JR, Bromfield E, Eross L, Halasz P, Karmos G, Csercsa R, Wittner L, and Ulbert I. *Science* 2009, 324:1084-1087.

Presenter: *Igor Timofeev*

12:00 Departure

Discussants

Andrea Nistri
Elena Dossi
Enrico Cherubini
Fabio Gualtieri
Gabriella Panuccio
Giuseppe Biagini
Igor Timofeev
John Jefferys
Marco De Curtis
Margherita D'Antuono
Massimo Avoli
Michael Poulter
Pietro Chiurazzi
Reneè Pumain
Rudiger Khoeling
Vadym Gnatkovsky
Vincenzo Crunelli

Organizers

Massimo Avoli,
Giuseppe Biagini,
Margherita D'Antuono,

Information

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