



# Giornate di Studio sull'Eccitabilità Neuronale - Anno V

*Agriturismo "Castello S. Cristina", Grotte di Castro (VT)  
23-25 Maggio 2008*

## **FINAL PROGRAM**

### Friday May, 23

13:00 Lunch

14:30-15:30 Microcourse on Channel Structure and Function Correlation

**MAURIZIO TAGLIALATELA and MARIA VIRGINIA SOLDOVIERI**

15:30-16:00 coffee break

16:00-19:00 Session 1: Plasticity of GABA<sub>A</sub> receptors during status epilepticus

#### **RICHARD OLSEN**

Terunuma M, Xu J, Vithlani M, Sieghart W, Kittler J, Pangalos M, Haydon PG, Coulter DA, Moss SJ.

"Deficits in phosphorylation of GABA<sub>A</sub> receptors by intimately associated protein kinase C activity underlie compromised synaptic inhibition during status epilepticus." *J Neurosci*, 28:376-384, 2008.

17:20-17:40 coffee break

#### **GIULIA PUJA**

Goodkin HP, Joshi S, Mtchedlishvili Z, Brar J, Kapur J.

"Subunit-specific trafficking of GABA<sub>A</sub> receptors during status epilepticus." *J Neurosci*, 28:2527-2538, 2008.

20:30 Dinner

### Saturday May, 24

8:30 breakfast

9:30-12:30 Session 2: Multirecordings in *in vitro* neuronal networks

#### **ENZO WANKE**

Keefer EW, Gramowski A, Gross GW.

"NMDA receptor-dependent periodic oscillations in cultured spinal cord networks." *J Neurophysiol*, 86:3030-3042, 2001.

10:50-11:10 coffee break

***RUEDIGER KOEHLING***

Dugladze T, Vida I, Tort AB, Gross A, Otahal J, Heinemann U, Kopell NJ, Gloveli T.  
"Impaired hippocampal rhythmogenesis in a mouse model of mesial temporal lobe epilepsy." *PNAS*, 104:17530–17535, 2007.

13:00 Lunch

14:30-20:00 Free time

20:30 Dinner

**Sunday May, 25**

8:30 breakfast

9:30-12:30 **Session 3: Plasticity of damaged neuronal networks *in vitro***

***ANDREA NISTRI***

Kroeger D, Amzica F  
"Hypersensitivity of the anesthesia-induced comatose brain." *J Neurosci*, 27:10597–10607, 2007.

10:50-11:10 coffee break

***GIUSEPPE BIAGINI***

Cater HL, Gitterman D, Davis SM, Benham CD, Morrison B 3rd, Sundstrom LE.  
"Stretch-induced injury in organotypic hippocampal slice cultures reproduces in vivo post-traumatic neurodegeneration: role of glutamate receptors and voltage-dependent calcium channels." *J Neurochem*, 101:434-447, 2007

13:00 Departure

**Discussants**

Avoli M., D'Antuono M., Bechi G., Carriero G., Gnatkowski V., Granata T., Hu B., Koehling R., Jefferys J., Librizzi L., Longo D., Mantegazza M., Martina M., Olsen R., Nistri A., Puja G., Pumain R., Rutecki P., Simonato M., Tagliatela M., Terragni B., Uva L., Wanke E.,

**Organizers**

Massimo Avoli

Montreal Neurological Institute, McGill University &

Dipartimento di Medicina Sperimentale, Università di Roma "La Sapienza"

Giuseppe Biagini

Dipartimento di Scienze Biomediche, Università di Modena e Reggio Emilia

Margherita D'Antuono

Dipartimento di Neuroscienze, Università di Roma "Tor Vergata"

**Colleagues interested in this event are welcome and will be registered as guests.**

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