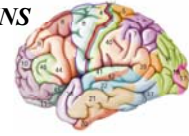




FROM TURTLES, FROGS AND SQUIDS TO HUMAN BRAINS
Rome, 15th-16th September 2007



INVITED PARTICIPANTS

Norio Akaike
Stefano Alema'
Giuliano Avanzini
Marc Ballivet
Piotr Bregestovski
Carlo Caratsch
Enrico Cherubini
Francesco Clementi
Stuart Cull-Candy
Marylin Duxson
Andrew G. Engel
Guadalupe Garcia-Lecona
Antonio Giuditta
Fabio Grohovaz
Cameron Gundersen
Rafael Gutierrez
A. John Harris
Yushi Ito
Isabel Ivorra
Kresimir Krnjevic
Rodolfo Llinas
Rainer Martin
Ataulfo Martinez-Torres
Carlos Matute
Peter Molenaar
Jordi Molgo

Rita Levi Montalcini
Andres Morales
Shigehiro Nakajima
Yasuko Nakajima
John G. Nicholls
Paola Paggi
Lorenzo Polenzani
Georg Reiser
Bert Sakmann
Angela Santoni
Clarke R. Slater
Nick C Spitzer
Enrico Stefani
Jacques Stinnakre
Piergiorgio Strata
Peter Strong
Tomoyuki Takahashi
Gabor Tigyi
Ligia Toro
Osvaldo Uchitel
Joy Umbach
Stefano Vicini
Angela Vincent
Enzo Wanke
PeiHong Zhu

SPECIAL GUEST:

RICARDO MILEDI

ORGANIZING COMMITTEE

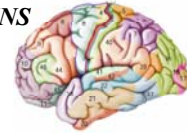
Fabrizio Eusebi, Francesca Grassi, Fabio Ruzzier
(fabrizio.eusebi@uniroma1.it; francesca.grassi@uniroma1.it; ruzzier@units.it)

Updated information at:

<http://w3.uniroma1.it/fisiofarm/biophysics/M07-Miledi/Miledi2007.htm>



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September 15 (Saturday)

11:50-12:00 Fabrizio Eusebi (Rome, Italy): *Welcome address*

12:00-12:10 Rita Levi Montalcini (Rome, Italy): *Introduction*

12:10-12:50 Bert Sakmann (Heidelberg, Germany): *Presynaptic calcium changes: Katz & Miledi and beyond*

13:00-13:40 **Sandwiches and Coffee**

1st Session - Chairperson: Fabio Ruzzier (Trieste Italy)

13:40-14:05 Tomoyuki Takahashi (Tokyo, Japan): *Looking into a rodent giant nerve terminal*

14:10-14:35 Stuart Cull-Candy (London, UK): *Calcium permeable AMPARs and plasticity*

14:40-15:05 Rafael Gutierrez (Mexico City, Mexico): *Plasticity of the neurotransmitter phenotype of neurons*

15:10-15:30 **Coffee Break**

2nd Session - Chairperson: Francesca Grassi (Rome, Italy)

15:30-16:10 Nick Spitzer (San Diego, USA): *The neuromuscular junction then and now: roles for activity in development*

16:20-16:45 Angela Vincent (Oxford, UK): *Autoimmune channelopathies*

16:50-17:15 Stefano Vicini (Washington, USA): *Synaptic and extrasynaptic NMDA receptors in cerebellum and striatum*

17:20-17:40 **Coffee Break**

3rd Session: – Chairperson: Enzo Wanke (Milan Italy)

17:40-17:55 Fabrizio Eusebi (Rome, Italy): *Wandering (and wondering) with Ricardo about epileptic brains*

18:00-18:15 Yasuko Nakajima (Chicago, USA): *Brain neuron excitation and G proteins*

18:20-18:35 Shigehiro Nakajima (Chicago, USA): *G protein induced modulation of inward rectifier potassium channels*

18:40-18:55 Marilyn Duxson (Dunedin, New Zealand): *In the beginning: studies of the very earliest stages of skeletal muscle formation*

19:00-19:15 Enrico Cherubini (Trieste, Italy): *Correlated activity as coincident detection signal for enhancing synaptic efficacy at CA3-CA1 synapses during postnatal development*

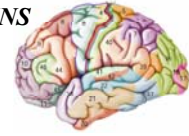
19:20-19:35 Clarke R Slater (Newcastle upon Tyne, UK): *Why size matters at the NMJ*

19:40-19:55 Osvaldo Uchitel (Buenos Aires, Argentina): *Synaptic transmission in migraine transgenic animal models*

20:30 **Social Dinner**



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September 16 (Sunday)

1st Session - Chairperson: Piergiorgio Strata (Turin, Italy)

09:00-09:40 Rodolfo Llinas (New York, USA): *Thalamo-cortical recurrence dynamics in vertebrates and the road to consciousness*

09:50-10:30 Giuliano Avanzini (Milan, Italy): *Synergy between molecular biology and neurophysiology in epilepsy research*

10:40-11:00 **Coffee Break**

2nd Session - Chairperson: Kresimir Krnjevic (Montreal, Canada)

11:00-11:40 Andrew Engel (Rochester, USA): *Congenital Myasthenic Syndromes*

11:50-12:30 John Nicholls (Trieste Italy): *Optical recording from respiratory pattern generator in foetal mouse brainstem reveals a distributed network*

3rd Session - Chairperson: Jacques Stinnakre (Paris, France)

12:40-13:10 *Anecdotes & Yarns (Free talks)*

13:10-13:30 Piotr Bregestovski (Marseille, France): *Concluding remarks - Ricardo Miledi: microtransplantation in our destinies*

Cheese and wine