



# 6<sup>th</sup> IN Progress Report Workshop

08 & 09 of July 2010

10:15 Inauguration of the Meeting. Juan Lerma. Institute Director.

**Session 1: Chairperson: Juan Lerma.**

10:30 **Mcarmen Acosta.**  
Corneal nerve activity under inflammation and other pathological conditions of the eye surface.

11:00 **Emilio Geijo.**  
Electrophysiological responses of the cerebral cortex: role of the corpus callosum and modulation by serotonin

11:30 Coffee break.

**Session 2: Chairperson: Francisco Sala.**

12:00 **Juanjo Ballesta.**  
Neurotransmitter receptors in an experimental model of chronic renal failure: association with behavioral and biochemical disorders

12:30 **Luis Miguel Gutierrez.**  
Molecular mechanisms of exocytosis in a neuroendocrine cell model.

13:00 **Manolo Criado.**  
Gating and Biogenesis in Nicotinic Receptors.

13:30 Lunch break.

**Session 3: Chairperson: Angel Barco.**

14:30 **Jorge Manzanares.**  
Role of CB2 cannabinoid receptor in the regulation of anxiety and depression.

15:00 **Carmen de Felipe.**  
Vulnerability Factors in Dual Pathology

15:30 **Miguel Maravall.**  
Speculating about thalamocortical transformations

16:00 Coffee break.

**Session 4: Chairperson : Luis Martínez.**

16:30 **Salvador Martínez.**  
Signals from the brain roof and floor: the rain and splash of molecular morphogenetic information

17:00 **Miguel Valdeolmillos.**  
Actin remodelling in different cell domains during neuronal migration

17:30 **Santiago Canals.**  
How local synaptic plasticity modulates global network dynamics?

**Session 5: Chairperson : María Dominguez.**

- 10:00     **Alfonso Fairén.**  
The Cortical Development Lab
- 10:30     **Beatriz Rico.**  
On the assembly of neural circuits: from axon development to synapse formation
- 11:00     **Ana Carmena.**  
Signaling Networks During Development: Deciphering Neuronal Identities Generation
- 11:30     **Luis García-Alonso.**  
Drosophila as a model to study cell interactions controlling growth and size
- 12:00     Coffee break.
- 12:30     **Special Lecture : Juan Modolell.**  
**30 years of achaete-scute molecular genetic**
- 13:30     Lunch



## Professor Juan Modolell

Juan Modolell is honorary Professor at the Centre for Molecular Biology "Severo Ochoa" (CSIC-UAM) in Madrid.

He studied first Biology and later Chemistry in Barcelona and La Laguna, respectively. Similarly, he first got a PhD in Biochemistry from Ohio University and later a PhD in Chemistry from Complutense University in Madrid. After a postdoctoral stay in Harvard Medical School, he returned to Spain in 1970 and became staff scientist at the Center for Molecular Biology where he has been full professor until 2007.

After making significant contributions to the knowledge of protein synthesis and antibiotic action, he decided to change gears and take a prophetic and exceptional move to work on Molecular Genetics in *Drosophila*. He took a very successful sabbatical year in Harvard in 1980 and returned to Madrid full of ideas, materials and enthusiasm to run one of the most successful labs in the history of Biology in Spain. Among his main contributions, stand out the isolation and characterization of fundamental proneural and neural gene complexes such as achaete-scute, crucial for the understanding of the body pattern and the development of the central nervous system.

*Juan Modolell has received numerous distinguished awards including that of the Carmen and Severo Ochoa Foundation, the Narcis Monturiol Medal from the Generalitat de Catalunya, the Dupont Prize, the Rey Jaime I Prize and in 2006 the Spanish National Research Prize.*

