



**SENC**

Sociedad Española de NeuroCiencia

**Second  
Cajal Winter Conference**

**Cerebral Cortex:  
From Development to Cognition**

March 19-23, 2006  
Benasque, Huesca (Spain)

## Poster presentations

Posters must be mounted on the boards on Sunday or Monday and will remain on display during the whole conference. Authors should be at their posters at the end of oral sessions.

Poster size is **100 cm x 140 cm (portrait)**.

P1. S. Ardid, X.J. Wang, A. Compte. *Attention modulation by top-down sustained neural activity: a biophysically-realistic spiking network model of a reciprocal loop between MT and working memory circuit*

P2. C Gil-Sanz, A Gruart. JM Delgado-García, A Fairén. *Motor and cognitive functions in mice lacking a functional mGluR1*

P3. M. Winograd, V.F. Descalzo, M. V. Sanchez-Vives. *Persistent activity in cortical neurons supported by h-current activation*

P4. M. Slater, C. Quesada, J. Francés, M.V. Sanchez-Vives. *Multisensory integration in self-perception: The virtual arm illusion*

P5. N. Espinosa, J. Mariño, C. de Labra, J. Cudeiro. *Cholinergic and nitrenergic modulation of thalamic visual neurons: an in vivo study*

P6. A Bortolozzi, L Díaz-Mataix, MC Scorza, P Celada and F Artigas. *The activation of 5-HT<sub>2A</sub> receptors in prefrontal cortex enhances dopaminergic activity*

P7. X López-Gil, L Kargieman, Z Babot, C Suñol, F Artigas, P Celada, A Adell. *Changes in glutamatergic and serotonergic transmission in the medial prefrontal cortex after NMDA antagonism: Effects of antipsychotic drugs*

P8. J.A. Troca-Marín, Emilio Geijo-Barrientos. *Modulation by serotonin of excitatory synaptic responses evoked by callosal fibers on cortical neurons in mice*

P9. M.C. Inda, J. De Felipe, A. Muñoz. *Voltage-gated ion channels in the axon initial segment of human cortical pyramidal cells and their relationship with chandelier cells*

P10. M. Martínez de Lagrán, G. Ramakers, R. Benavides-Piccione, I. Ballesteros, J. de Felipe, M. Dierssen. *Experimental study of molecular and cellular factors affecting cortical functionality in an animal model of Down syndrome*

P11. G. Arqué, A. Casanovas, M. Dierssen. *In vivo overexpression of Dyrk1A, a candidate gene for Down's syndrome produces neuromotor developmental delay*

P12. L. Valdés-Sánchez, S. Martínez, E. Geijo-Barrientos. *Postnatal alterations of the inhibitory responses of cortical pyramidal neurons from the *lis1/slis1* mutant mouse*

P13. I. Fernández-Lamo, A. Montero-Pedrazuela, J.M. García-Verdugo, E. Rausell, A. Guadaño-Ferraz. *Thyroid hormones action in adult neurogenesis: new experimental approaches*

P14. A. Espinosa, C. Gil-Sanz, K. Obata, Y. Yanagawa, A. Fiorenza. *The early ventral pallidum: cell contributions from the thalamic eminence*

P15. R. Pla, V. Borrell, N. Flames, O. Marin. *Layer acquisition by cortical GABAergic interneurons is independent of Reelin signaling*



A group of participants at the First Cajal Winter Conference (March 2005)