



SENC

Sociedad Española de NeuroCiencia

**Sixth
Cajal Winter
Conference**

**Role of glial cells in
health and disease**

March 7-11, 2010
Benasque, Huesca (Spain)



MINISTERIO
DE CIENCIA
E INNOVACIÓN

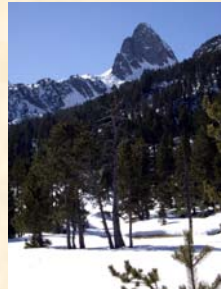


CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

The Sociedad Española de NeuroCiencia (SENC) announces the celebration of the Sixth **Cajal Winter Conference**. The aim of this series of Conferences is to bring together specialists in a given area of Neuroscience, mainly from Spain, to present their recent data and discuss with world leaders in the field on common interests in an open, informal atmosphere.

SENC Executive Committee

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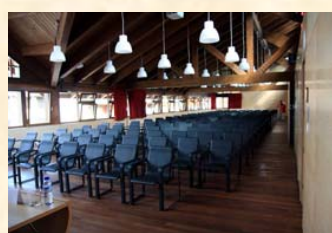
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Venue and accommodation

Benasque is a nice mountain village near the highest peak in Pyrenees, Monte Aneto (3404 m) with the ski resort of Cerler at 6 km. The Benasque valley offers unique mountain landscapes and the opportunity for strolling and hiking along many trails as well as visiting interesting ancient houses and churches . The Conference will take place in the Centro de Ciencias de Benasque. The main hotel will be Hotel Ciria (Ave. los Tilos s/n, phone +34 974 551612, fax +34 974 55 10 80; e-mail: hotelciria@hotelciria.com), Dinners for all participants will take place at the Hotel Ciria.



Registration

Attendance is limited to 60 participants. Fees include the attendance to the Conference plus accommodation from Sunday 7 (check-in) to Thursday 11 (check-out), breakfasts, dinners and coffee breaks.

Registration must be made online through www.cajalwinterconference.es until February 21. Registration of participants will only be considered after bank transfer of the corresponding fees to the SENC account "la Caixa"

2100 2923 01 0200027281

For transfers made outside Spain please indicate:

IBAN: ES26 2100 2923 01 0200027281

SWIFT code: CAIXESBBXXX

Cancellation

Cancellations made before February 21 will be fully refunded. Those after that date will be refunded by 80%. Cancellation notice should be sent to the secretary of SENC at senc@uam.es.



Conference Programme

Sunday March 7

16:00-20:30 **Registration**

21:00 **Dinner**



Monday March 8

15:15 *F Artigas*. Welcome address

15:30 **Oral communications**. Chair: *A. Araque*

15:30 *J Berenguer de Felipe, S Pons*. *miR-22 reduces cerebellar granular neuron precursors proliferation through the down-regulation of the MYCN partner MAX*

16:00 *FJ Arenzana, E Medina, C Ortega, D Clemente, F de Castro*. *Functional implications of FGF-2 and Anosmin-1 in the proliferation and migration of oligodendrocyte precursor cells from postnatal and adult cerebral cortex*

16:30 *N Mecklenburg, S Martínez*. *Cerebellar oligodendroglia have extracerebellar origin*

17:00 **Plenary lecture**

Helmut Kettenmann. *Glial function in neurodegenerative diseases*

18:00 **Coffe break**

18:30 **Oral communications**. Chair: *G. Mengod*

18:30 *A Araque*. *Endocannabinoids mediate neuron-astrocyte communication*

19:00 *H Cabedo*. *Schwann cell proliferation versus myelin thickness: a differential role for distinct neuregulin splicing forms*

19:30 **Poster session**

21:00 **Dinner**



Tuesday March 9

15:30 **Oral communications.** Chair: F. de Castro

15:30 A Di Penta, O Errea, E Moreno, B Fernández, N Escala, P Villoslada. *A new model of neuroinflammation: in vitro cerebellum organotypic cultures challenged with LPS*

16:00 N Gresa, J Serratosa, J Saura, C Solà. *C/EBP δ inhibition in microglial cells is involved in the anti-inflammatory and neuroprotective effects of the flavonoid chrysin*

16:30 C Sanabra, E Johansson, R Martín, T Vilaró, R Cortés, G Mengod. *Sex-related differences observed in cAMP specific PDE4B splice variants in oligodendrocytes during systemic inflammation*

17:00 **Plenary lecture**

Marie T. Filbin. *Signaling axonal regeneration in the CNS.*

18:00 **Coffee break**

18:30 **Oral communications.** Chair: C. Solà

18:30 C Muñoz-Quiles, FF Santos-Benito, MB Llamusi, A Ramón-Cueto. *Repair of chronic spinal cord injuries by adult olfactory bulb ensheathing glia and feasibility for autologous therapy*

19:00 J Selva, SE Martínez, G Egea. *Chronic ethanol exposure decreases RhoA activation in rat astrocytes: increase of the RhoGAP activity*

19:30 **Poster session**

21:00 **Dinner**



Wednesday March 10

16:00 **Oral communications.** *Chair: H. Cabedo*

16:00 D Clemente, MC Ortega, FJ Arenzana F de Castro. *FGF-2 and Anosmin-1: biomarkers for Multiple Sclerosis*

16:30 R Gorina, M Font-Nieves, L Márquez-Kisinousky, T Santalucia, AM Planas. *TLR4 activation in astrocytes generates a proinflammatory environment through MyD88-dependent and independent pathways not involving IFN- β : modulator effects of heparin*

17:00 **Plenary lecture**

William D. Richardson. *Development and regeneration of myelin.*

18:00 **Coffee break**

18:30 **Oral communications.** *Chair: R. Gallego*

18:30 C Sanfeliu, S García-Matas, N de Vera, S Revilla, Y García, L Giménez-Llort, R Cristófol. *Enhancement of astrocyte functionality as a potential therapeutic tool in Alzheimer's disease*

19:00 P Villoslada, A di Penta A, M Kerschensteiner, C Matute, V Ceña, I Lopez, J Alberch, J Parent, J Serra, O Errea, B Moreno. *Neuroprotective activity of Methythioadenosine for the treatment of Multiple Sclerosis and other neurological diseases*

19:30 **Poster session and closing**

21:00 **Dinner**



Poster presentations

Posters must be mounted on the boards on Sunday 7 or Monday 8 (lobby of Benasque Centre for Science) and will remain on display during the whole conference. Authors should be at their posters at the end of oral sessions.

Poster size is **90 cm x 140 cm (portrait)**.

P1. LE Maglio, A Araque. *Endocannabinoids mediate neuron-astrocyte communication in somatosensory cortex*

P2. A Martinez-Ferre, M Navarro-Garberi, S Martinez. *Diencephalic regionalization is regulated by Wnt signal*

P3. C Viéitez, JM Tusell, N Gresa-Arribas, G Dentesano, J Serratos, C Solà. *CD200R and TREM-2: microglia innate immune markers modulated by pro-inflammatory and anti-inflammatory agents*

P4. P Carriba, R Masgrau, L Pardo, E Galea. *Convergence of calcium- and cyclic AMP-dependent signalling into CREB activation in astrocytes*

P5. E González-Fernández, MV Sánchez-Gómez, C Matute. *Activation of adenosine receptors induces apoptosis in oligodendrocytes*

P6. JA Gomez-Sanchez, M Lopez de Armentia, R Lujan, N Kessaris, WD Richardson, H Cabedo *Overexpresión of TypeIII-b3 neuregulin induces Schwann Cell proliferation, Remak bundle myelination and neurofibromatosis*

P7. MC Ortega, R Kozyraki, D Clemente, F de Castro. *Sonic hedgehog and megalin receptor in the biology of oligodendrocyte precursors*

P8. M del Caño, MD Ganfornina, D Sanchez. *Protective role of Glial Lazarillo in a model of Spinocerebellar Ataxia (SCA1) in Drosophila.*

P9. S Alfonso-Loeches, M Pascual-Mora, M Pascual-Lucas, S Fernández-Lizarbe, C Guerri. *Activation of glial cells and innate immunity through the toll-like receptor 4 (tlr4) triggers neuroinflammation and brain damage induced by ethanol*

P10. N García-Mateo, D Sanchez, MD Ganfornina. *Is Apolipoprotein D important in myelin clearance by Schwann cells and the recruitment of macrophages after sciatic nerve injury?*

P 11. R Bajo-Grañeras, D Sanchez, MD Ganfornina. *ApoD, an apolipoprotein expressed by astrocytes, is induced upon oxidative insult via the JNK pathway, and is required for cell survival*

P12. M Barceló, A Lewis, F Picatoste, E Claro, G Churchill, R Masgrau. *NAADP plays a role in astrocytic calcium signaling*

