



**SENC**

Sociedad Española de NeuroCiencia

**First  
Cajal Winter Conference**

**Neuronal Growth,  
Differentiation and Survival:  
Therapeutic Perspectives in  
Neurological Diseases**

March 13-17, 2005  
Benasque, Huesca (Spain)

**Final Programme**

The Sociedad Española de NeuroCiencia (SENC) announces the celebration of the First **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.

## **Committees**

### **SENC**

Francesc Artigas, *President*  
José María Delgado García, *President-elect*  
Bernardo Castellano, *Vicepresident*  
Angel Pazos, *Secretary*  
Guillermo Alvarez de Toledo, *Treasurer*  
Isabel Fariñas  
José Manuel García Verdugo  
Antonio Canedo

### **Cajal Winter Conferences**

Francesc Artigas, *chair*  
Roberto Gallego  
Salvador Martínez  
Alberto Ferrús  
Javier Cudeiro  
Jesús García-Sevilla



## **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 to strolling and hiking along many trails as well as to visit interesting ancient houses and churches. The Conference will take place in the Casa de Cultura of the Benasque City Hall, in the center of the village, very close to the hotels. The conference room is equipped with standard projection facilities. The main hotel will be Hotel Ciria (Avenida de los Tilos s/n, phone 974 551612, fax 974 55 10 80; e-mail: [hotelciria@hotelciria.com](mailto:hotelciria@hotelciria.com)). Dinners for all participants will take place at the Hotel Ciria.



## Registration

Registration fees include the attendance to the Conference, accommodation from Sunday 13 to Thursday 17 (breakfast and dinner included) and coffee breaks. Registration forms can be downloaded from [www.senc.es](http://www.senc.es). They must be filled out and sent electronically to the Secretary of SENC at [senc@uam.es](mailto:senc@uam.es). Registration of participants will only be considered after bank transfer of the corresponding fees to the SENC account "la Caixa" 2100 2923 01 0200027281

Registration costs include the conference fee for participants (130 euro) plus accommodation expenses (check-in March 13, check-out March 17). These are as follows (for participants and accompanying persons)

*Double room, single occupancy: 320 euro*

*Double room: 215 euro*

*Triple room: 200 euro*

*Quad room (penthouses): 205 euro*

Thus, the total cost of a participant wishing to stay in a double room with single occupancy is 450 euro. Separate receipts can be made on request for the conference and accommodation expenses. The SENC will take care of accommodations only during the conference days. Those participants or accompanying persons who wish to stay in the same hotel before or after the Conference must contact Hotel Ciria directly for these extra days (phone 974 551612, fax 974 55 10 80; e-mail: [hotelciria@hotelciria.com](mailto:hotelciria@hotelciria.com)).

## Cancellation

Cancellations made before March 1 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](mailto:senc@uam.es).



## CONFERENCE PROGRAMME

### Sunday March 13

16:00-20:30 Registration

21:00 Dinner

### Monday March 14

15:15 *Welcome address*

15:30 *Oral communications. Chair: R. Gallego*

15:30 F. Viana. *Cellular physiology of cold sensing*

16:00 M. Dominguez. *The making of an eye*

16:30 C.Damas, F. Delgado, A. Alonso, A.C. Delgado, J.M. García-Verdugo, C.M. Trujillo.  
*Telencephalic neurogenesis in captive and non captive adult lizards*

17:00 *Plenary Lecture*

**Ron McKay:** *From stem cells to synapses in health and disease*

18:00 *Coffee break and poster presentations*

19:00 *Oral communications. Chair: A. Ferrús*

19:00 A.Montero-Pedrazuela , C. Venero. , R. Lavado-Autric, A.Guadaño-Ferraz. *Thyroid hormone modulation of adult neurogenesis*

19:30 M.D. Ganfornina, G. Fernández, S. Martínez, D. Sánchez. *Bringing new players to the arena of neurodegenerative disease mechanisms: Lazarillo/ApoD, a lipid-binding protein involved in the control of the redox balance*

20:00 M.S. Sirerol-Piquer, J.M. Morante-Redolat, A. López de Munain, C. Nobile, J. Pérez-Tur.  
*ADLTE-causing mutations abolish secretion of LGI1*

20:30 A. Gorostidi, A. López de Munáin, J. Pérez-Tur.  
*Characterization of a new murine transgenic model of partial epilepsy.*

21:30 *Dinner*

## **Tuesday March 15**

### **15:30 Oral communications. Chair: J. Cudeiro**

15:30 M. Bosch, J.R. Pineda, J. Alberch, J.M. Canals.  
*Induction of GABAergic phenotype from neural stem cells and transplantation in a Huntington's disease model*

16:00 J.Priller, R.Gómez-Sintes, F.Hernández, J.J. Lucas. *Microglial engraftment in a conditional mouse model of Huntington's disease*

16:30 V. Herranz Pérez, J.M. Morante Redolat, J. Pérez-Tur. *Expression analysis of the LGI gene family*

### **17:00 Plenary Lecture**

**Anders Björklund:** *Toward a stem cell therapy for Parkinson's disease*

### **18:00 Coffee break and poster presentations**

### **19:00 Oral communications. Chair: S. Martínez**

19:00 I.Liste , A.Villa , C.Bueno , B.Navarro-Galve , B.Juliusson , P.Kusk , E.García-García, E.TC Courtois, A.Martínez-Serrano . *Bcl-X<sub>L</sub> enhances dopamine neuron production by human forebrain and ventral mesencephalic neural stem/precursor cells, and also modulates neuron-glia generation*

19:30 S. Aparicio-Domingo, J. Simón, C. Paisán, J.F. Martí-Massó, A. López de Munain, J. Pérez-Tur. *Mutations in LRRK2 in Parkinson disease*

20:00 J. Simón Sánchez, S. Aparicio Domingo, A. López de Munain, J.F. Martí-Massó, J. Pérez-Tur. *A founder effect in Parkinson's disease patients*

20:30 J.Villadiego , S.Méndez-Ferrer, J.López-Barneo and J.J.Toledo-Aral . *Selective GDNF production in adult dopaminergic darotid body cells makes them suitable for cell therapy*

### **21:30 Dinner**

## Wednesday March 16

### 15:30 **Oral communications.** Chair: A. Pazos

15:30 I.d Valle, L.García, L.Kremer, A.Martinez, A.Silva.  
*New markers identifying neural stem cells*

16:00 S.Bonilla, A.Silva, L.Valdés, E.Geijo, J.M.García-Verdugo, S.Martínez.*Functional neural stem cells derived from adult bone marrow*

16:30 C.Vicario-Abejón, G.Otaegi, E.Vergaño-Vera, M.J. Yusta-Boyo, J.L. Abad, F.de Pablo. *The regulation of olfactory bulb stem cell proliferation and differentiation*

### 17:00 **Plenary lecture**

**Eva Mezey** : *From blood to brain: can circulating blood cells help to repair the CNS?*

### 18:00 **Coffee break and poster presentations**

### 19:00 **Oral communications.** Chair: F. Artigas

19:00 C.Andreu, S.Ferrón,R. Sáez, I.Fariñas. *Implication of PI3-K/AKT in the self-renewal of embryonic neural stem cells*

19:30 J.M. Morante-Redolat, A. López de Munain, J. Pérez-Tur. *Identification of LGI1 partners as a tool for characterizing its physiological function*

20:00 A.Ayerdi, J.J.Sellés, J.J.Poza, A.López de Munain, J.Pérez-Tur. *Lateral temporal epilepsy is not due to mutations in LGI2-4*

20:30 B.Zalc. *Transplantation holds no realistic therapeutic potential in Multiple Sclerosis*

### 21:00 **Closing**

### 21:30 **Dinner**

## Thursday March 17

Departure. Participants willing to stay for longer should contact directly the local Hotels

## Poster presentations

Posters must be mounted on the boards on Sunday or Monday afternoon and will remain on display during the whole conference. Authors should be at their posters between 18:00 and 19:00.

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

**P1.** L. Domínguez, V. Hernández, M. Soriano-Navarro, J.M. García-Verdugo, J.J. Canales. *Cocaine exposure reduces cell proliferation and survival in the adult rat hippocampus*

**P2.** L.Rodríguez Gallardo, L. Sánchez Arrones and L. Puelles .*Definition of the border of the early neural plate*

**P3.** A. Abad, . M. Enguita, N. De Gregorio-Rocasolano, R. Trullás . *Role of neuronal pentraxin 1 in amyloid neurotoxicity*

**P4.** M. Ferrer-Alcón, C. Hirt, A. C. Kato . *Effect of grafted neural stem cells on the motor functions and life-span in mice with an inherited degeneration of motoneurons*

**P5.** R.Mostany, E. Valdizán, G. Pérez, M.J. Castillo, A. Pazos . *Increased cell proliferation and modifications in signal transduction pathways after chronic treatment with venlafaxine*

**P6.** S. Ferrón, C. Ramírez, C. Andreu, I. Fariñas. *Regulation of cell cycle kinetics and self-renewal by distinct cyclin-dependent kinase inhibitors in adult neural stem cell population*

**P7.** I.Torre, F. Pérez-Cerdá, C Matute . *Acute EAE is ameliorated by P2X7 purinergic receptor antagonists*

**P8.** E.Vergaño, M.J. Yusta-Boyo, F. de Castro, F. de Pablo, C. Vicario-Abejón . *The olfactory bulb neuroepithelium is a source of neural stem/precursor cells with broad capacity to generate GABAergic and dopaminergic interneurons.*