



SENC

Sociedad Española de NeuroCiencia

**Seventh
Cajal Winter
Conference**

Synaptic mechanisms

March 20-24, 2011
Benasque, Huesca (Spain)

Final Programme

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

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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 of strolling and hiking along many trails as well as visiting interesting ancient houses and churches. The Conference will take place in the new **Centro de Ciencias de Benasque**, in the center of the village, very close to the hotels. Conference rooms are equipped with standard projection facilities. 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)



Registration

Attendance is limited to 60 participants. Fees include the attendance to the Conference plus accommodation from Sunday 20 (check-in) to Thursday 24 (check-out), breakfasts, dinners and coffee breaks.

Registration must be made online through www.cajalwinterconference.es until March 4. 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 March 4 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 20

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

21:00 **Dinner**



Monday March 21

15:15 *F Artigas*. Welcome address

15:30 **Oral communications**. Chair: *A. Guadaño-Ferraz*

15:30 J Perucho, MJ Casarejos, A Gomez, RM Solano, J Garcia de Yébenes, MA Mena. *Trehalose protects from aggravation of amyloid pathology induced by isoflurane anesthesia in APP_{swe} mutant mice*

16:00 AJ Miñano-Molina, J España, E Martín, M Solé, B Barneda-Zahonero, R Fadó, R Trullás, CA Saura, J Rodríguez-Alvarez. *Soluble oligomers of amyloid-beta peptide disrupt membrane trafficking of AMPA receptors contributing to early synapse dysfunction*

16:30 **Plenary lecture**

Yukiko Goda. *Regulating synaptic strength across the cleft by N-cadherins*

17:30 **Coffe break**

18:00 **Yukiko Goda**. *Meeting with young neuroscientists*

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

18:30 B Barneda-Zahonero, JM Servitja, AJ Miñano, R Fadó, CA Saura, J Rodríguez-Alvarez. *Synaptic activation mediates neuronal survival by activation of Nurr1*

19:00 R Vidal, J Pascual-Brazo, E Castro, A Díaz, EM Valdizán, F Pilar-Cuéllar, B Treceño, A Pazos. *A 7 days treatment with the 5-HT₄ receptor agonist RS67333 is required to obtain a complete antidepressant-like response in animal models*

19:30 **Poster session**

21:00 **Dinner**

Tuesday March 22

15:30 **Oral communications.** *Chair: L. Tabares*

15:30 I Jemal, MA Montes, G Alvarez de Toledo. *Functional organization of synaptic vesicles in hippocampal neurons and their heterogeneity between different synapses*

16:00 J Lerma, I Aller, RJ Rodrigues. *P2X2/GluN2B: A new ionotropic receptor complex*

16:30 **Plenary lecture**

Graham Collingridge. *Synaptic Plasticity in the Hippocampus*

17:30 **Coffee break**

18:00 **Graham Collingridge.** *Meeting with young neuroscientists*

18:30 **Oral communications.** *Chair: J. Lerma*

18:30 P Carrasco, E Gratacós, S Ramirez, J Jacas, M Dierssen, FG Hegardt, N Casals. *CPT1c deficiency impairs feeding behaviour, motor function and memory performance by altering ceramide levels*

19:00 **Round table:** *Current challenges in understanding synaptic function*

20:00 **Poster session**

21:00 **Dinner**



Wednesday March 23

15:30 **Oral communications.** *Chair: G. Álvarez de Toledo*

15:30 JL Rozas, L Gómez-Sánchez, P Linares-Clemente, ME Vázquez, R Luján, R Fernández-Chacón. *Cysteine string protein-alpha maintains the number of synaptic release sites and dynamin-dependent endocytosis at motor nerve terminals*

16:00 R Ruiz, R Cano, WJ Betz, L Tabares. *Active Zones and the Readily Releasable Pool of Synaptic Vesicles at the Neuromuscular Junction of the Mouse*

16:30 **Plenary lecture**

Reinhard Jahn. *Mechanism of SNARE-mediated exocytosis of synaptic vesicles*

17:30 **Coffe break**

18:00 **Reinhard Jahn.** *Meeting with young neuroscientists*

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

18:30 J Blasi, A Muhaisen, J Aleu, A Raptis, L Bahima, L Texidó, M Martín-Satué, J Marsal, C Solsona. *Modulation of endogenous hemichannels by syntaxin in Xenopus oocytes*

19:00 J Ramírez Franco, D Bartolomé Martín, E Castro, J Sánchez Prieto, M Torres. *Efficient synaptic vesicle recycling after intense exocytosis concomitant with the accumulation of non-releasable endosomes at early developmental stages*

19:30 **Poster session**

21:00 **Dinner**



Poster presentations

Posters must be mounted on the boards on Sunday 20 or Monday 21 (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. A Montero-Pedrazuela, I Fernández-Lamo, M Alieva, I Pereda-Pérez, C Venero, A Guadaño-Ferraz. *Adult-onset hypothyroidism enhances fear memory and upregulates mineralocorticoid and glucocorticoid receptors in the amygdala*

P2. C Morenilla, M Pertusa, V Meseger, F Viana. *Intracellular signalling and lipid raft segregation of the thermoreceptor TRPM8*

P3. F Pilar-Cuéllar, R Vidal, A Pazos. *Subchronic treatment with the SSRI fluoxetine and the 5-HT_{2A/2C} antagonist ketanserin induces an increase in markers related to synaptic plasticity in hippocampus*

P4. RM Solano, MJ Casarejos, A Gomez, J Perucho, J G de Yébenes, MA Mena. *Effects of amyloid (1-42)- β peptide on cortical neuron/glia cultures from parkin null mice. Role of autophagy and glutathione homeostasis*

P5. L Torres-Benito, R Ruiz, MA Montes, G Alvarez de Toledo, L Tabares. *Synaptic vesicle expression of VACHT-pHluorin in septal neurons*

P6. P Linares-Clemente, JL Rozas, P García-Junco-Clemente, JA Martínez-López, ME Vázquez, CO Pintado, R Fernández-Chacón. *Dynamin-dependent endocytosis of freshly exocytosed synaptotagmin at the neuromuscular junction during nerve stimulation*

P7. J Figueiró-Silva, A Gruart, KB Clayton, P Podlesniy, MA Abad, L Benitez, M Enguita, X Gasull, JM Delgado-García, R Trullas. *Neuronal Pentraxin 1 negatively regulates excitatory synapse number*

P8. S Jordán-Álvarez, W Fouquet, SJ Sigrist, A Ferrús, A Acebes. *Presynaptic PI3K promotes the formation of postsynaptic glutamate receptors in the neuromuscular junction of drosophila*

P9. J Ramírez Franco, D Bartolomé Martín, E Castro, J Sánchez Prieto¹, M Torres. *Developmental regulation of vesicular cycle dynamics in cerebellar granule cells*

