



International Society for Neurochemistry

Report of the Support for the Committee for Aid and Education in Neurochemistry (CAEN) CATEGORY 2E: Support for the implementation of scientific/ educational workshops and small schools

Name of school: NEUROBIOLOGICAL BASIS OF DRUG ADDICTION

Location: **Gran Hotel Uspallata and Gran Hostel Uspallata. USPALLATA, MENDOZA, ARGENTINA**

Dates: **APRIL 6-10, 2011**. The course begun one day before the Biennial Meeting of the Neurotoxicity Society (NTS) (7-10 April, 2011).

Organizers:

Dr. Liliana M Cancela - Independent Researcher CONICET, IFEC-CONICET. Professor Departamento de Farmacología, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba.

Dr. Alicia Brusco - Independent Researcher CONICET. Professor Facultad de Medicina, Universidad de Buenos Aires. Director Instituto De Robertis, CONICET-UBA

Coordinator:

Dr Irene Martijena - Associate Researcher CONICET, IFEC-CONICET. Professor Departamento de Farmacología, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba.

Under the coordination of Dr Marta Antonelli, and the direction of Drs Alicia Brusco and Liliana Cancela the course "*Neurobiological basis of drug addiction*" was held in Uspallata, Mendoza, in April 2011, in the framework of the V Biennial Meeting of the Neurotoxicity Society.

The course consisted of three modules

- Module I: theoretical classes, including paper discussion.
- Module II: attendance to the Meeting of the Neurotoxicity Society symposia, plenary lectures and poster presentation
- Módulo III: conclusions and a closing evaluation.

Theoretical classes of module I encompassed the following subjects:

- 1) Basic concepts and definitions of drug addiction.
- 2) Drugs that induce drug addiction.
- 3) Drug reward effects.
- 4) Different aspects of the addiction cycle.
- 5) Brief introduction to the main theories of addiction.

- 6) Opioids as a paradigm.
- 7) Animal models of drug addiction. Neurobiological mechanisms implied in the addictive properties of nicotine.
- 8) Role of the CRF system in drug addiction.
- 9) Ethanol. Development of tolerance and dependence. Neurobiological basis of alcoholism.
- 10) Morphological alterations induced by chronic ethanol intoxication.
- 11) Neuropeptides involved in drug addiction: neurotensin, neuropeptide Y and angiotensin.
- 12) Psychostimulant addiction: a perspective of the neural systems involved in the behavioural sensitization to psychostimulants and the cross-sensitization with stress.
- 13) Vulnerability.
- 14) Molecular mechanisms in drug-addiction plasticity.

The course was delivered by the following Argentine and Chilean researchers:

- Dra. Liliana M. Cancela (Universidad Nacional de Córdoba, IFEC-CONICET).
- Dra. Alicia Brusco (Universidad de Buenos Aires, Instituto de Biología Celular y Neurociencias, CONICET)
- Dra. Irene Martijena (Universidad Nacional de Córdoba, IFEC-CONICET)
- Dra. María Estela Andrés (Universidad Católica de Santiago de Chile)
- Dra. Graciela Balerio (Universidad de Buenos Aires, ININFA-CONICET)
- Dra. Claudia Bregonzio (Universidad Nacional de Córdoba, IFEC-CONICET).
- Dra. Katia Gysling (Universidad Católica de Santiago de Chile).
- Dra. Miriam Virgolini (Universidad Nacional de Córdoba, IFEC-CONICET).

The course was attended by 40 PhD students from South America, 18 from Argentina, 14 from Chile, 7 from Brazil and 1 from Peru, whose participation and final evaluation was considered as part of their PhD training. All the students participated in the **V Meeting Society for Neurotoxicity** where they presented and discussed their results in the poster sessions.

List of students participating in the course:

- Acuña Miranda, Mario (Chile)
- Adrover, Ezequiela (Argentina)
- Allende, Camilo Alonso (Chile)
- Aronne, M. Paula (Argentina)
- Bonafina, Antonela (Argentina)
- Caltana, Laura Romina (Argentina)
- Couto Pereira, Natividade (Brasil)
- Cuevas, Carlos Alberto (Chile)
- Czerniczyniec, Analía (Argentina)
- De Giovanni, Laura Noemí (Argentina)
- Escosteguy Neto, João Carlos (Brasil)
- Espina, Pablo (Chile)
- Ferreira, Gustavo (Brasil)
- Gabach, Laura (Argentina)

Gori, M. Belén (Argentina)
Guadagnoli, Tamara (Argentina)
Gutiérrez Hernández, Manuel Andrés (Chile)
Helguera, Pablo (Argentina)
Huenchuguala, Sandro (Chile)
Kedikian, Ximena (Argentina)
Linck, Viviane (Brasil)
Martinez, Samanta (Argentina)
Matalloni, Mara (Argentina)
Mongi Bragato, Bethania (Argentina)
Muñoz Salvatierra, Patricia (Chile)
Neira, Tania (Chile)
Noriega Alvarado, Jorge (Chile)
Pallarés, María Eugenia (Argentina)
Paris, Irmgard (Chile)
Pozo, Sergio (Chile)
Rojas Espina, Daniel Alejandro (Chile)
Rojas Mancilla, Edgardo (Chile)
Saez, Trinidad (Argentina)
Schneider, Ricardo (Brasil)
Schuck, Patricia (Brasil)
Tallis, Silvina (Argentina)
Varani, Andres Pablo (Argentina)
Varela, Patricia (Brasil)
Vásquez, Renzo Frank (Perú)
Villa, Mónica Andrea (Chile)

Regarding the financial outcome of the meeting, the total expenses were u\$s 71.265. The CAEN grant (u\$s 6000) was allocated to partially cover students accommodation. Below, please find a scanned copy of the invoice corresponding to the expenses supported with the CAEN Grant. The invoice is expressed in Argentine pesos, exchange rate: 4\$= 1u\$s.

We are also enclosing a scanned version of the banner with the sponsors logos, and a photograph of attendees to the school. In a separate attachment you will find a copy of the meeting program.

Date: July, 21st 2011

Signature:

A handwritten signature in black ink, appearing to be 'G. G. G.', written over a horizontal line.

GRAN HOTEL USPALLATA

ALTA TECNOLOGIA ALIMENTARIA S.A.
 AVDA / S/N KM.1149 USPALLATA MENDOZA
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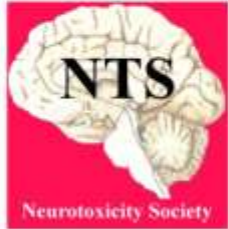
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V NEUROTOXICITY SOCIETY MEETING

Uspallata, Mendoza

Argentina

April 7-10, 2011





**"V Neurotoxicity Society Meeting
Uspallata - Mendoza
ARGENTINA.**

April 7 - 10, 2011