INTERNATIONAL SYMPOSIUM ON
HEPATIC ENCEPHALOPATHY

September 17-19, 2009.
Valencia, Spain.

PRELIMINARY PROGRAM

“Andres T. Blei Lecture”
Cerebral inflammation in liver failure.

Mechanisms of ammonia toxicity
Susanne Keiding. Aarhus University Hospital. Aarhus, Denmark.
Brain ammonia and energy metabolism in hepatic encephalopathy. Analysis by positron emission tomography.

Dieter Häussinger. Heinrich-Heine-Universität. Düsseldorf, Germany.
Oxidation of RNA in hyperammonemia and hepatic encephalopathy.

Michael D. Norenberg. University of Miami School of Medicine. Miami, USA.
Role of NF-kB in ammonia toxicity.

Jan Albrecht. Medical Research Center, Polish Academy of Sciences. Warsaw, Poland.
Roles of cyclic GMP in acute ammonia neurotoxicity.

Magdalena Zielinska. Medical Research Center, Polish Academy of Sciences. Warsaw, Poland.
Modulation of the NO-cGMP pathway by glutamine.

Neurotransmission
Sophie Lotersztajn. INSERM, U 841, Hôpital Henri Mondor. Créteil, France.
The cannabinoids system in liver disease and hepatic encephalopathy.

The neurosteroids system in hepatic encephalopathy.

Brain cholinergic alterations in liver failure. Role in cognitive function.
Selective regional alterations in GABAergic tone in brain in chronic hyperammonemia in vivo. Role in cognitive impairment.

Cerebral edema

Alejandro A. Rabinstein. Mayo Clinic, Rochester. Minnesota, USA.
Cerebral edema: types, mechanisms and treatments.

Rodrigo Jover. Hospital General de Alicante. Alicante, Spain.
Vasogenic and cytotoxic edema in patients with acute, chronic or acute on chronic liver disease.

Vasogenic and cytotoxic edema in brain in animal models of acute or chronic hepatic encephalopathy and hyperammonemia.

Karl Zilles. Institute of Neuroscience and Biophysics. Jülich, Germany.
Quantitative cerebral water content mapping in hepatic encephalopathy.

Rakesh K. Gupta. SGPGIMS. Lucknow, India.
Advances in the Magnetic resonance imaging in patients with liver failure and hepatic encephalopathy.

Acute liver failure

Juan Cordoba. Hospital Vall d’Hebron. Barcelona. Spain
Metabonomic analysis of hepatic encephalopathy progression during acute liver failure.

Finn S. Larsen. Rigshospitalet University Hospital of Copenhagen. Copenhagen, Denmark.
Cerebral hemodynamic alterations in acute liver failure. Underlying mechanisms and role in death.

Brain inflammation in acute liver failure and its relationship with intracranial hypertension and death.

Acute liver failure-induced death of rats is delayed or prevented by blocking NMDA receptors in brain.

Julia Wendon. King’s College Hospital. London, UK.
Intensive care management of acute liver failure.
**Neurological alterations**

**Andrea Kelly.** Children’s Hospital of Philadelphia. Philadelphia, USA
Hyperinsulinism/hyperammonemia syndrome: alterations in cerebral function and molecular mechanisms.

**Christopher O. Record.** Newcastle Upon Tyne Hospitals NHS Trust. Newcastle Upon Tyne, UK.
Hepatic encephalopathy after transjugular intrahepatic portosystemic shunt insertion.

**Andrea Stracciari.** S. Orsola-Malpighi University Hospital. Bologna, Italy.
Cognitive functioning in chronic acquired hepatocerebral degeneration.

**Karin Weissenborn.** Medizinische Hochschule Hannover. Hannover, Germany.
Cognitive alterations in patients with hepatic encephalopathy.

**Marsha Morgan.** The UCL Institute of Hepatology. London, UK.
Alterations in sleep and in circadian rhythms in patients with liver disease.

**Jasmohan S. Bajaj.** Virginia Commonwealth University and McGuire VA Medical Center. Richmond VA, USA.
Minimal hepatic encephalopathy and daily life.

**Piero Amodio.** University of Padova. Padova, Italy.
Electroencephalographic staging of hepatic encephalopathy.

**Treatments**

**Andrew A. M. Morris.** Royal Manchester Children’s Hospital. Manchester, UK.
Neonatal hyperammonemia, main causes and treatment.

**Rajiv Jalan.** Royal Free and University College Medical School. London, UK.
Ornithine-phenylacetate for the treatment of hyperammonemia and hepatic encephalopathy.

**Mariano Malaguarnera.** University of Catania. Catania, Italy.
Probiotics and acetyl carnitine in the treatment of minimal hepatic encephalopathy.

**Manuel Romero-Gómez.** Hospital Universitario de Valme. Sevilla, Spain.
Rifaximin for the treatment of hepatic encephalopathy.
Call for abstracts

Participants are invited to submit abstracts for oral or poster presentation, the majority being presented as poster. Acceptance will be based upon the quality and relevance of the submissions.

Abstracts should be written in English and sent by e-mail to catedrasg@cac.es, before the deadline expires on July 10th, 2009.

Each abstract should not exceed one Din A4 page (font Times New Roman in size 12 and with single-spaced) and must include: title (in capital letters) and the names of the authors (the name of presenting author should be underlined). After the name of the last author the address of the institution or organization should be stated.

Abstracts will be reproduced in the same condition in which they are received for inclusion in the meeting documentation. They will not be subject to editing.

Authors of accepted abstracts will be notified from July 20th, 2009 onwards.

The poster exhibition will be located at the hall of the auditorium. It will be open throughout the meeting.

Venue

The International Symposium on Hepatic Encephalopathy will be held in the Santiago Grisolía Auditorium in the Museo de las Ciencias Príncipe Felipe of Valencia (Spain). The museum, designed by Valencian architect Santiago Calatrava, and with an auditorium of 2.800 square metres, provides the perfect venue for this symposium.

These emblematic projects have turned Valencia, with its heritage of over two thousand years of history, into a most modern city. The city is easily accessible by road, rail, sea and air. Its culture, cuisine and academic tradition along with its location on the Mediterranean coast and its pleasant climate, make the city the ideal setting for this symposium.

Auditorium Santiago Grisolía
Museo de las Ciencias Príncipe Felipe
Avenida Autopista del Saler, 7
46013 Valencia, Spain
Scientific committee

Vicente Felipo
Laboratory of Neurobiology, Centro de Investigación Príncipe Felipe. Valencia, Spain.

Organizing committee

President:  Vicente Felipo
Director of Cátedra Santiago Grisolía and of Laboratory of Neurobiology, Centro de Investigación Príncipe Felipe. Valencia, Spain.

Members:  Ana Agustí, Jordi Boix, Omar Cauli, Nisrin El Mlili, Marta Llansola, Pilar Monfort, Carmina Montoliu, Blanca Piedrafita y Regina Rodrigo

Symposium Secretariat

Cátedra Santiago Grisolía
Fundación Ciudad de las Artes y las Ciencias – Comunitat Valenciana
Paseo de la Alameda, 42-B 1º 1ª
46023 Valencia, Spain
TEL: 0034 96 197 4670
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E-mail: catedrasg@cac.es
www.fundacioncac.es/catedrasg

Language

The lectures will be given in English with simultaneous translation into Spanish.
**Registration fee**

Up to July 24th: 100€  
After July 24th: 200€  
Students: 50€

Registration fee for participants includes scientific sessions, coffee breaks and the conference material.

A certificate of attendance will be given to all participants.

**Payment**

Payment of registration fees should be made in Euro by bank transfer:

- **Account name:** Fundación Ciudad de las Artes y las Ciencias  
- **Bank:** BANCAJA

**Swift code for international bank transfers:**  
IBAN: ES48 2077 0737 74 3100345279  
BIC: CVALESVVXXX

**Account number for Spanish bank transfers:**  
2077 0737 74 3100345279

Once the bank transfer has been made, a copy of the bank transfer must be sent by e-mail: catedrasg@cac.es or fax (0034 96 197 45 98) before that the symposium starts.

**Travel & accommodation**

To make your travel arrangements you can put in contact with our travel agency Viajes Iberia. The agency has booked rooms in several hotels within walking distance of the venue. Information can be obtained from:

- Ms. Matilde García-Conde  
  Tel: 0034 96 353 61 65  
  Fax: 0034 96 394 06 06  
  E-mail: valencia.hernancortes23@viajesiberia.com
# Registration form

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Please send the registration form to the symposium secretariat by mail, fax or e-mail. You can also register online through the website: [www.fundacioncac.es/catedrasg](http://www.fundacioncac.es/catedrasg)

*Note: Your registration will be only considered upon receiving the full payment.*

In compliance with Act 34/2002, dated 11th July, on services for the Information Society and Electronic Trade and the Organic Act 15/1999, dated 13th December on Protection of Personal Data, we hereby inform you that your data will be included and processed in the I.T. File of the Fundación Ciudad de las Artes y las Ciencias with the purpose of being able to send information to you regarding our services, news and activities. At any time the user can exercise the rights of access, correction, cancellation and opposition to the use of personal data by sending an e-mail to [catedrasg@cac.es](mailto:catedrasg@cac.es) or a fax to: 0034 96 197 45 98.