

## Clinical and Basic Neuroscientists from both countries:

(in alphabetical order)

- **Carlos Barcia.** NECEX & CIBERNED. University of Murcia. Murcia.
- **Christelle Baunez.** Research Director. University of Provence. Marseille.
- **Valerie Cochen.** Neurologist. Movement Disorders Group. University Toulouse III.
- **Philippe Damier.** Professor of Neurology. University of Nantes. Nantes.
- **Bruno Dubois.** Professor of Neurology. Director of Language Center. Hôpital de la Salpêtrière. Paris.
- **Alexis Elbaz.** Research Director. INSERM U360. Neuroepidemiology. Paris.
- **Justo García de Yébenes.** Professor and Director of Neurology. Ramon y Cajal Hospital. Madrid.
- **Pedro García Ruiz.** National Coordinator Movement Disorders Group. Fundación Jiménez Díaz. Madrid.
- **Francisco Grandas.** Movement Disorders Group. Gregorio Marañón Hospital. Madrid.
- **Andreas Hartmann.** Director of the Centre d'Investigation Clinique. Hôpital de la Salpêtrière. Paris.
- **María-Trinidad Herrero.** Professor of Human Anatomy. School of Medicine. University of Murcia.
- **Etienne Hirsch.** First Class Research Director. CNRS. Director of INSERM U679. Paris.
- **Jaime Kulisevsky.** Associate Professor of Neurology. Movement Disorders Group. Sant Pau Hospital. Barcelona.
- **Stéphane Lehericy.** Professor of Neuroradiology. Univ. of Paris VI. Hôpital de la Salpêtrière. Paris.
- **Gurutz Linzasoro.** Associate Professor of Neurology. Movement Disorders Group. Quiron Hospital. San Sebastián.
- **Rosario Luquin.** Associate Professor of Neurology. Clínica Universitaria de Navarra. Pamplona.
- **José López-Barneo.** Professor of Physiology. University of Sevilla. Director of CIBERNED. Sevilla.
- **Pablo Martínez Martín.** Director of Neuroepidemiology. Instituto Carlos III. Scientific Director of Research. Fundación Reina Sofía. Madrid.
- **Patrick Michel.** Senior researcher. INSERM U 679. Hôpital de la Salpêtrière. Paris.
- **Pablo Mir.** Movement Disorders Group. Virgen del Rocío Hospital. Sevilla.
- **Julián Pérez-Gil.** Director. CIEN Foundation. Instituto Carlos III. Spanish Ministry of Health. Madrid.
- **Jordi Pérez i Tur.** Professor of Genetics. University of Valencia.
- **Danielle Seilhan.** Professor of Neuropathology. Hôpital de la Salpêtrière. Paris.
- **Francesc Valldeoriola.** Associate Professor of Neurology. Clinic Hospital. Barcelona.
- **Marie Vidailhet.** Professor of Neurology. Hôpital de la Salpêtrière. Paris.
- **Miquel Vila.** Professor of Research. ICREA. Vall d'Hebron Hospital. Barcelona.

**Organizer:** Herrero, María-Trinidad

**Co-organizers:** De Lucas, Javier  
Hirsch, Etienne  
Linzasoro, Gurutz  
Luquin, Rosario  
Vidailhet, Marie

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# First Cajal French-Spanish Summer Course on Neurodegenerative Diseases

Topic: Basal Ganglia and Parkinson's disease



Collège d'Espagne  
Cité Internationale Universitaire de Paris

Paris, July 23-27th, 2007



Société des Neurosciences

# First Cajal French-Spanish Summer Course on Neurodegenerative Diseases

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The Ramón y Cajal French-Spanish course aims to:

- Bring basic neuroscience research closer to clinical neurologists and *vice-versa*;
- Provide basic researchers with a clinical perspective;
- Explore and discuss new treatment options to our patients.

Such courses are necessary to ensure that the research carried out in all disciplines have the same aim and bear positive results.

By sharing our knowledge, progress in finding new cures to the devastating diseases mentioned will be more focused and rapid.

The great prestige of both basic and clinical neuroscientists in France and Spain should contribute to the success of the course.

All the sessions of the course will be taught in English.

## Participants Research Project Prize

The students will be divided in 5 teams. Every team (research group) will be integrated by neuroscientists and neurologists.

The 5 teams will meet on the early evening on July 22<sup>nd</sup> in order to define and organize the team work and lines of research.

With the help of tutors from each country, each team must organize a research project on Parkinson's disease with a translational perspective (bench-to-bed research).

The projects will be presented and discussed on late afternoon Thursday 26<sup>th</sup>. The best Research Project will be selected and the four winners of the team will be given a special prize by NOVARTIS, Neuroscience - Spain.

## Tutors:

- **Juan Andrés Burguera.**  
Movement Disorders Group. La Fe Hospital. Valencia.
- **José Chacón.**  
Movement Disorders Group. Virgen del Rocío Hospital. Sevilla.
- **María Ángeles Mena.**  
Ramón y Cajal Hospital. Research Unit. Madrid
- **Ossama Morsi.**  
Movement Disorders Group. Virgen de la Arrixaca Hospital. Murcia.
- **Rita Raisman-Vozari.**  
Researcher Director. U679. Hôpital de la Salpêtrière. Paris.
- **Merle Ruberg.**  
Researcher Director. U679. Hôpital de la Salpêtrière. Paris.
- **Giovanni Stevanin.**  
Researcher Director. U679. Hôpital de la Salpêtrière. Paris.
- **Sheela Vyas.**  
Neuroscientist. Collège de France. Paris.
- **Jerôme Yelnik.**  
Researcher Director. Pavillon Claude Bernard. Paris.

## Program

### July, 23<sup>rd</sup> (Monday)

Presentation: Organizers & Julián Pérez-Gil (CIBERNED)

#### Basic Science

##### Morning Sessions

09:30-10:15 **Functional anatomy of the basal ganglia.**  
María-Trinidad Herrero.

10:15-11:00 **From anatomy to behaviour and electrophysiology in the basal ganglia: an example with the subthalamic nucleus.**  
Christelle Baunez.

11:00-11:30 Coffee Break.

11:30-12:15 **Experimental models of neurodegenerative diseases.**  
Patrick Michel.

12:30-13:30 Lunch time.

##### Afternoon

14:00-16:00 **Works in groups.**  
(Tutors from each country).

16:15-17:00 **Neuropathology.**  
Danielle Seilhan.

19:30 **Piano Concert.**  
María Angeles Carrillo.

### July, 24<sup>th</sup> (Tuesday)

#### Pathogenesis

##### Morning Sessions

09:30-10:15 **Genetics.**  
Jordi Pérez i Tur.

10:15-11:00 **Etiopathogenesis.**  
Miquel Vila.

11:00-11:30 Coffee Break.

11:30-12:15 **Cellular mechanisms of neuronal death.**  
Philippe Damier.

12:30-13:30 Lunch time.

##### Afternoon

14:00-14:45 **Epidemiology.**  
Alexis Elbaz.

15:00-15:45 **Assessment in PD patients.**  
Pablo Martínez Martín.

15:45-16:15 Coffee Break.

16:15-17:00 **Functional neuroimaging.**  
Stéphane Lehéricy.

17:30-19:00 **Works in groups.**  
(Tutors from each country).

19:30 **Piano Concert.**  
Daniela Bacchi.

### July, 25<sup>th</sup> (Wednesday)

#### Clinical manifestations

##### Morning Sessions

09:30-10:15 **Motor features.**  
Justo García de Yébenes.

10:15-11:00 **Diagnostic criteria and differential diagnosis.**  
Rosario Luquin.

11:00-11:30 Coffee Break.

11:30-12:15 **Hyposmia and autonomic symptoms.**  
Francisco Grandas.

12:30-13:30 Lunch time.

##### Afternoon

14:00-16:00 **Works in groups.**  
(Tutors from each country).

16:15-17:00 **Cognitive dysfunction.**  
Bruno Dubois.

17:00-17:45 **Neuropsychiatric manifestations.**  
Jaime Kulisevsky.

19:30 **Piano Concert.**  
Michiko Hayasaka.

### July, 26<sup>th</sup> (Thursday)

#### Treatment

##### Morning Sessions

09:30-10:15 **Neuroprotective strategies.**  
Andreas Hartmann.

10:15-11:00 **Pharmacological treatment and motor complications.**  
Pablo Mir.

11:00-11:30 Coffee Break.

11:30-12:15 **Surgical treatment.**  
Francesc Vallderiola.

12:30-13:30 Lunch time.

##### Afternoon

14:00-14:45 **Cell therapy in PD.**  
José López-Barneo.

14:45-15:30 **Gene therapy.**  
Carlos Barcia.

15:30-16:00 Coffee Break.

16:00-18:00 **Research projects presentations and discussion.**

19:30 Bus for the Gala Dinner.  
Candlelit dinner on a riverboat cruising the Seine River.

20:00 Gala dinner.

### July, 27<sup>th</sup> (Friday)

#### Next steps

##### Morning Sessions

09:30-11:00 **Educational videos.**  
Marie Vidailhet.

11:00-11:30 Coffee Break.

11:30-12:15 **Prizes and diploma followed by survey and evaluation.**  
José López-Barneo (CIBERNED).

12:30-13:30 Lunch time.

##### Afternoon

14:00-14:45 **Neuroprotection in neurodegenerative disorders.**  
Gurutz Linazasoro.

14:45-15:30 **How can we improve early diagnosis of neurodegenerative disorders?**  
Valerie Cochen / Pedro García Ruiz.

15:30-16:00 Coffee Break.

16:00-17:00 **Closing lecture: How to improve research on neurodegenerative disorders in Europe?**  
Etienne Hirsch.

17:00-17:30 **Closing Ceremony.**  
Organizers & José López-Barneo (CIBERNED).

19:30 **Picnic by the Seine & dancing.**