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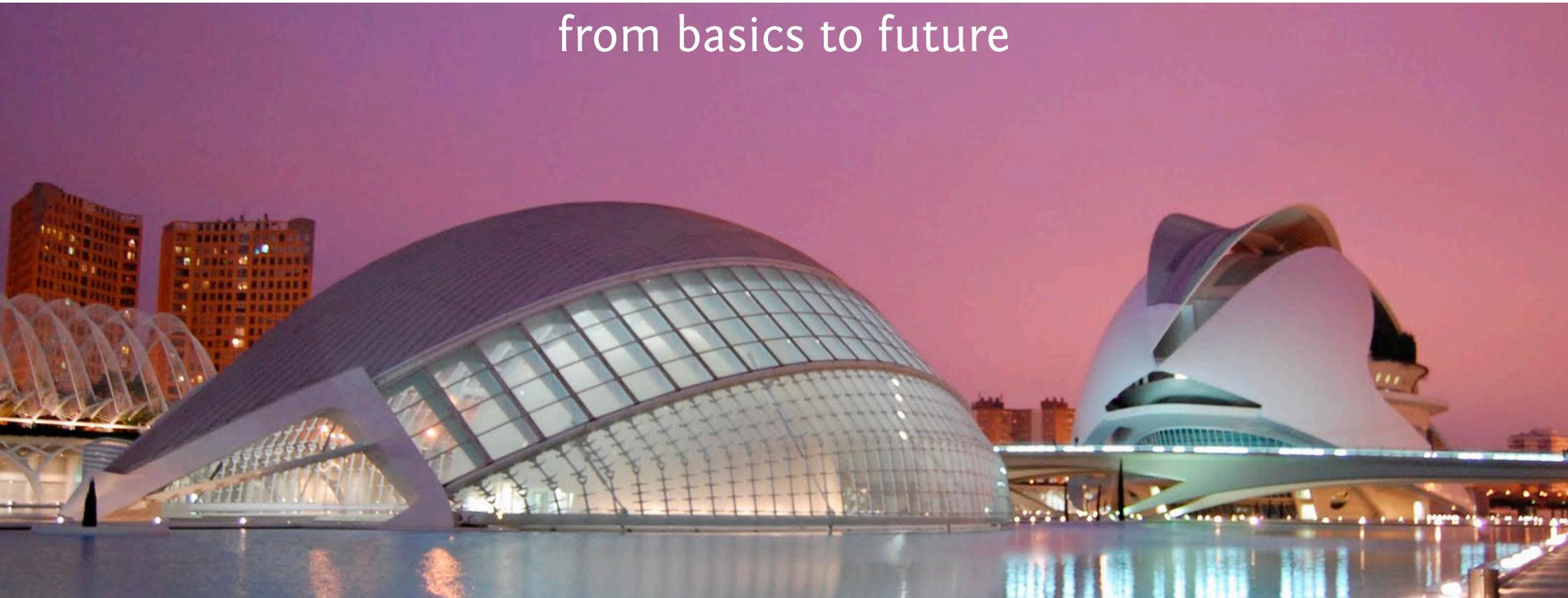
OCTOBER 18-19, 2012. VALENCIA

LIMITED PLACES  
300

ison

INTERNATIONAL SYMPOSIUM ON NEUROREHABILITATION

from basics to future



## Dear colleagues

The incidence of acquired brain injuries (ABIs) and other neurological conditions represents an increasing healthcare problem worldwide.

The complexity of these pathologies makes a multidisciplinary treatment approach necessary which takes as a starting point the important advances that are being made in information and communication technologies (ICTs), virtual reality or robotics. At the same time, neurorehabilitation can also benefit from research in more experimental (biochemical, genetics, functionals, etc.) and clinical (pharmacological, early prevention, etc.) areas. We feel that the Symposium will be an excellent meeting point for professionals and researchers that wish to establish synergies among their respective disciplines which could lead to innovative approaches, and important advances, in neurorehabilitation research.

It has now been just over two years since we organized the "I International Symposium on Neurorehabilitation: From basics to future". **In that first edition, more than 400 delegates from 30 different countries joined us to make the Symposium a success.** But, most importantly, the Symposium served as a meeting point for many researchers and professionals.

The Conselleria de Sanitat, the Centro de Investigación Príncipe Felipe and the Fundación Instituto Valenciano de Neurorehabilitación (FIVAN) are collaborating to organize this second edition. Basic neuroscience, clinical neurorehabilitation and neurotechnology will come together once again in 2012 with the objective of improving healthcare models and promoting the use of technology in neurorehabilitation. All of this, for the benefit of our patients. For two days, world-renowned experts will review the current state and the latest advances made in the field of Neurorehabilitation.

It is a pleasure to welcome, once again, everyone who wishes to participate in this event. **We hope that you will enjoy the Symposium and your visit to Valencia.**

Sincerely,



**Javier Chirivella, PhD**  
FIVAN President

# Organizing and Scientific Committee

## Organizing Committees

### Javier Chirivella, Chair

Fundación Instituto Valenciano de Neurorrehabilitación [FIVAN], Centro de Investigación Príncipe Felipe, Spain.

## Local Organizing Committee

Alberto del Barco, Spain.

Pablo Gagliardo, Spain.

Paz Grau, Spain.

Vanesa Pérez, Spain.

Rosa Valenzuela, Spain.



## Scientific Advisory Committee members

### Pablo Duque, Spain - Chairman

#### Members

Yolanda Aladro. Spain.

Eilat Almagor. Israel.

Antoine Bechara. United States.

Carlos Belmonte. Spain.

Montserrat Bernabeu. Spain.

Álvaro Bilbao. Spain.

Jose M Carmena. United States.

Cristóbal Carnero. Spain.

Juan Carriles. Spain.

Fernando Castellanos. Spain.

Jose M. Climent. Spain.

Juan Andrés Conejero. Spain.

Jose María Delgado. Spain.

Joan Deus. Spain.

Joaquin Dopazo. Spain.

Óscar Fernández. Spain.

Luis Gangoiti Aguinaga. Spain.

José Manuel García-Moreno. Spain.

Agnès Gruart i Massó. Spain.

Carlos Jacas. Spain.

Eric Larson. United States.

Steven Laureys. Belgium.

Fernando Maestú. Spain.

Luis Martí-Bonmatí. Spain.

Jose Luis Molinuevo. Spain.

Victoria Moreno. Spain.

Jaume Morera. Spain.

Manuel Murie. Spain.

Alvaro Pascual-Leone. United States.

Nuria Paúl. Spain.

Salvador Peiró. Spain.

David Pérez Martínez. Spain.

Aldolfo Plasencia. Spain.

Ignacio Quemada. Spain.

José María Ramírez. Spain.

Marcos Ríos. Spain.

Michael E. Selzer. United States.

Jorge Sepulcre. United States.

Javier Tirapu Ustárroz. Spain.

Lynne Turner Stokes. UK.

M. Jesus Vicent. Spain.

Juan Vílchez. Spain.

María Luisa Vizuete. Spain.

Barbara Wilson. UK.

# Scientific Program

## THURSDAY, October 18, 2012

08:45 – 09:30 Registration

09:30 – 10:00 Opening Ceremony and Welcome

10:00 – 10:45 Opening Conference

**Brain research, the scientific challenge of the 21st century.**  
[Carlos Belmonte Martínez](#). Instituto de Neurociencias de Alicante. Universidad Miguel Hernandez-CSIC. Spain.

10:45 – 11:15 Coffee break

11:15 – 12:45

**Genome Sequencing and the new generation biomarkers.**  
[Joaquin Dopazo](#). Centro de Investigación Príncipe Felipe. Valencia. Spain.

**Regenerative Medicine for Spinal Cord Injury.**  
[Victoria Moreno](#). Centro de Investigación Príncipe Felipe. Valencia. Spain.

12:45 – 14:30 Lunch break

14:30 – 16:00

**Coma and Consciousness: Paradigms (re)framed by neuroimaging.**  
[Steven Laureys](#). Coma Science Group, University and University Hospital of Liège. Belgium.

**Brain Networks and Sensory (dis)integration in the Human Brain.**

[Jorge Sepulcre](#). Faculty member at the Division of Nuclear Medicine and Molecular Imaging, Massachusetts General Hospital, Harvard Medical School. United States.

16:00 – 16.30 Coffee break

16:30 – 18.00

**Evidence for the Effectiveness of Neuropsychological Rehabilitation.**

[Barbara Wilson](#). Medical Research Council, Cognition and Brain Sciences Unit. United Kingdom.

**Decision-making impairments following focal brain damage: Is there a recovery of function?**

[Antoine Bechara](#). UI Department of Neurology. University of Iowa Health Care. Iowa. United States.

18:00 – 19:00 Oral Sessions

21.00 – 00.00 Symposium Dinner

## FRIDAY, October 19, 2012

### 08:30 – 09:30 Oral Sessions

09:30 – 11:00

**Modulating brain networks to promote functional rehabilitation.**

[Alvaro Pascual-Leone](#). Harvard Medical School. Director of the Berenson-Allen Center for Noninvasive Brain Stimulation and Program Director of the Harvard-Thorndike Clinical Research Center of the Beth Israel Deaconess Medical Center in Boston. United States.

**Modulation of cortical activity and learning capabilities by non-invasive electrical stimulation of the brain.**

[Jose María Delgado](#). Head of the Division of Neuroscience. Pablo de Olavide University. Seville. Spain.

### 11:00 – 11:30 Coffee break

11:30 – 13:00

**Neural adaptations to a brain-machine interface.**

[Jose M. Carmena](#). Associate Professor of Electrical Engineering, Cognitive Science and Neuroscience, UC Berkeley. Co-Director, Center for Neural Engineering and Prostheses. UC Berkeley and UC San Francisco. United States.

**Polymer Therapeutics as Nano-Sized medicines for tissue repair.**

[M. Jesus Vicent](#). Centro de Investigación Príncipe Felipe. Valencia. Spain.

### 13:00 – 14:30 Lunch break

14:30 – 16:00

**Carolinas TBI Rehabilitation and Research System.**

[Lori M. Grafton](#). Director, Brain Injury Program. Carolinas Rehabilitation. Charlotte. United States.

**National Datasets-Measuring rehabilitation needs inputs and outcomes – The UK Approach.**

[Lynne Turner-Stokes](#). Northwick Park Hospital. Middlesex. United Kingdom.

### 16:00 – 16:30 Coffee break

16:30 – 18:00

**Applying the Feldenkrais Method in Neurorehabilitation.**

[Eilat Almagor](#). The Rubin Academy Jerusalem. Israel.

**Applications of Robotics and Virtual Environments in Rehabilitation of Traumatic Brain Injury.**

[Eric Larson](#). Brain Injury Medicine and Rehabilitation Program, Rehabilitation Institute of Chicago. United States.

18:00 - 18.45

**Closing Conference: The Future of Neurorehabilitation.**

[Michael E. Selzer](#). President, World Federation for NeuroRehabilitation. MD, PhD Director, Shriners Hospitals Pediatric Research Center. Professor of Neurology in the Temple University School of Medicine. Philadelphia. United States.

### 18:45 – 19:00 Closing Ceremony

## Meeting Venue

The 2nd International Symposium on Neurorehabilitation will be held in the **Prince Felipe Research Centre (CIPF)** in Valencia (Spain). CIPF ([www.cipf.es](http://www.cipf.es)) is dedicated to biomedical research, with the aim of taking on new challenges in the field of basic research and encouraging scientific works of excellence.

Valencia is located on the Spanish East coast on the banks of Turia River. It is an important attraction for tourists, both for its heritage of over thousand years of history (Valencia Cathedral, Serranos Tower, Quart Tower, etc.) and for the

City of Arts and Science ([www.cac.es](http://www.cac.es)), a unique complex devoted to scientific and cultural dissemination.

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.



# Call for Abstracts

## Abstract Submission

Opening: March 1st, 2012

Deadline: August 5th, 2012

Participants are invited to submit abstracts for oral or poster presentation for consideration by the Scientific Committee.

Abstracts should be submitted in English no later than **Sunday, August 5, 2012**, indicating your preference for oral or poster presentation and one of the following **categories**:

- Basics
- Plasticity
- Neuroimage
- Virtual rehabilitation
- Cognitive rehabilitation
- Assessment
- Behaviour
- Motor rehabilitation

The abstracts must be submitted through this website: [www.neurorehabilitationvalencia.es](http://www.neurorehabilitationvalencia.es). Participants will have to fill in a form starting on **March 1st**.

Abstract acceptance will be based upon the quality of the submissions with relevance to the subject of the Symposium. The majority of abstracts will be presented as posters.

The Scientific Committee will determine whether the abstract will be accepted for poster or oral presentation. **Authors of accepted abstracts will be notified from August 20th, 2012 onwards.**

Abstracts will be converted to **PDF format** for inclusion in the Symposium material and will not be edited or spell-checked.

## Symposium Secretariat and Registration Fee

Ms. Paz Grau-Arcís

Mr. Alberto del Barco

Fundación FIVAN

Centro de Investigación Príncipe Felipe

Avda. Autopista del Saler 16, Valencia 46012, Spain

Tel. +34 963 289 680 :: Fax. +34 963 289 701

E-mail: [symposium@fivan.org](mailto:symposium@fivan.org)

[www.neurorehabilitationvalencia.es](http://www.neurorehabilitationvalencia.es)

During the Symposium the Secretariat will be at the information desk at the meeting venue.

### The meeting venue

Centro de Investigación Príncipe Felipe. Avda. Autopista del Saler 16, Valencia 46012, Spain.

### Official language

The lectures will be given in English or Spanish, with simultaneous translation into either one available by request.

### Registration fee

Registration fee for participants includes scientific sessions, the symposium material, lunches and coffee breaks. A certificate of attendance will be given to all participants.

Limited number of seats (**max. 300**). The registration process will start on March 1st.

### Cost

- Up to July 15st: 300 €
- After July 15st: 400 €
- Students: 100 €

## Travel and Accommodation

### By our travel agency

To make your travel arrangements you can contact our travel agencia Viajes Iberia. The agency has booked rooms in several hotels within walking distance of the venue.

#### Information can be obtained from:

Matilde García-Conde  
matildegarciaconde.vibB@gmail.com  
Telephone: 00 34 600 46 13 00  
Mobile Tel.: 0034 96 353 61 65

### On your own

#### How to arrive to Valencia

##### By air

The airport (Manises International Airport) is about 8 km from the city center. You can reach the city center by taxi, bus or underground. A taxi from the airport will cost approximately **20 Euros**.

**Underground:** Lines 3 and 5. Every 10-20 minutes approx. The station is at the ground floor of the regional flights terminal. For information on timetable and fares, please visit [www.metrovalencia.com](http://www.metrovalencia.com)

##### By train

Valencia North Station is situated in the city center. For information on timetable and fares, please visit [www.renfe.es](http://www.renfe.es)

##### By road

The AP-7 Motorway runs down the East Coast of Spain connecting Valencia to the main European Motorway network and to A-23 Sagunto-Somport and the A-3 Madrid-Valencia dual Carriageway.

Most coach services arrive and depart from Valencia Central Bus Station. For further information, please visit [www.turisvalencia.es](http://www.turisvalencia.es)

##### By sea

Although Valencia is mainly an industrial port it also operates a frequent ferry service to the Balearic Islands and is the starting point for many Mediterranean Cruises. It is well connected to the city centre by a number of frequent bus routes.

For more information, please visit [www.valenciaport.com](http://www.valenciaport.com)

## General Information

### City of Valencia

Valencia is a vibrant, cosmopolitan city on the Spanish Mediterranean coast with more than 800,000 inhabitants, making it the third largest city in Spain. It is a pleasant historical city with modern tourist infrastructures and enjoys a good climate, attractive surroundings and offers a wide variety of cultural and leisure activities. There are several sandy beaches and other places of interest within reach of the city. To discover Valencia, please visit [www.turisvalencia.es](http://www.turisvalencia.es)

### How to arrive to the Venue

The Prince Felipe Research Centre (CIPF) is located next to the City of Arts and Sciences. From the center of the city it can be easily reached by taxi **in 10 minutes**.

#### By coach and bus

Valencia coach station is located on the bank of the former course of the Turia River. This is the stopping place for regular services arriving from all over Spain. To get to the CIPF from here, just cross the river and catch EMT bus nº95. Other lines that stop closeby are the 19, 35 and 40.

For more information, please visit [www.emtvalencia.es](http://www.emtvalencia.es)

#### By metro

The metro lines closest to the venue are lines nº 3 and nº 5. We recommend getting off the Alameda stop, approximately 15 minutes from the venue. For more information, please visit [www.metrovalencia.com](http://www.metrovalencia.com)

### Accommodation

Please, visit [www.turisvalencia.es](http://www.turisvalencia.es)

#### Visas

Some participants may require visas in order to enter to Spain. **Please check with your travel agent if a visa is required.**

[www.neurorehabilitationvalencia.es](http://www.neurorehabilitationvalencia.es)



**fivan**  
fundación instituto valenciano  
de neurorrehabilitación



**GENERALITAT VALENCIANA**  
**CONSELLERIA DE SANITAT**



**PRINCIPE FELIPE**  
CENTRO DE INVESTIGACION