

## GENERAL INFORMATION

### DATES AND LOCATION

December, 2nd-3rd, 2022. Barcelona, Spain

### LECTURES:

Clinic University Hospital . Villarroel 170.

08036 Barcelona, Spain.

Sala de Actos. Left Wing from main entrance in Villarroel Street 170. Take the Stairs number 9 to 11. 3rd Floor.

### CADAVER. HANDS-ON DEMONSTRATION:

Dissection Room. Department of Anatomy, Barcelona University Medical School. Underground floor. Main entrance from Casanova Street 143.

### Course Directors

#### Prof. Jose De Andrés

Professor of Anesthesia, Valencia University Medical School  
Chairman, Department of Anesthesiology and Critical Care  
Director of the Multidisciplinary Pain Management Center  
Valencia University General Hospital.

Tres Cruces s/n, 46014-Valencia (Spain)

#### Prof. Albert Prats

Professor of Anatomy, Barcelona University Medical School.  
Casanova, 143. 08036 Barcelona, Spain.

#### Dr. Xavier Sala-Blanch

Associate Professor of Anesthesia.

Barcelona University Medical School

Department of Abesthesiology and Reanimation

Hospital Clinic i Provincial

Villarroel 170. 08036 Barcelona. Spain

#### Course Co-Director

Gustavo Fabregat, MD, PhD

### TARGET AUDIENCE

This advanced course is designed for pain practitioners (pain specialists, anesthesiologists, neurosurgeons) utilizing invasive techniques for pain management.

Physicians attending the course should have at least 2 years of practice with ongoing use of neuromodulation techniques in the treatment of chronic pain patients.

### OBJECTIVES

After participation in this educational meeting, participants should have an understanding of:

1. Basic neuroanatomy related with the performance of pain therapies.
2. Clinical evidence regarding new and evolving treatments for the treatment of pain.
3. Current imaging and electrophysiological technologies relevant for performing diagnosis and performing the invasive techniques for pain treatment.

4. Common clinical problems in chronic pain and current recommendations for the evaluation and management of these pain conditions.

5. Evidence-Based treatments in pain medicine.

6. Identify questions that need to be addressed to increase knowledge of neuromodulation techniques use in pain treatment.

7. How to design the Pain studies for obtaining better the evidence.

### ACCREDITATION

An Application has been made to the EACCME® for CME accreditation of this event

### REGISTRATION

REGISTRATION: 1600 €

To register for this programme, please contact with:

Cristina Cruz. ACADEMY FUNDOLOR

Email: cruz\_cri@gva.es

Multidisciplinary Pain Management Department

Anesthesia Department

Consorcio Hospital General Universitario de Valencia

Avda. Tres Cruces, s/n. 46014-Valencia (Spain)

Email: cruz\_cri@gva.es

Phone + 34 96 345 54 85

The fee includes:

- Registration
  - Conference package
  - Meals (2 lunch work and 1 dinner)
  - Accommodation (bed & breakfast) 2 nights
- Each delegate is responsible for his/her travel arrangements, according the course schedule

### NEXT COURSE:

19th NEUROSTIMULATION COURSE

December 1st-2nd, 2023

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## ADVANCED PAIN CADAVER COURSE

## NEUROSTIMULATION-COURSE 18th

December 2nd-3rd, 2022

Barcelona, Spain

## CLINICAL & BASIC SCIENCE FOR THE MANAGEMENT OF THE CHRONIC PAIN PATIENT

Organised by:



UNIVERSITAT ID VALÈNCIA  
Facultat de Medicina i Ciències  
Departament de Cirurgia



SERVICIO DE ANESTESIOLOGÍA  
REANIMACIÓN Y TRATAMIENTO  
DEL DOLOR



ANESTHESIOLOGY ACADEMIC AREA  
DPT OF SURGERY AND SURGICAL SPECIALITIES.  
HUMAN ANATOMY AND EMBRIOLOGY UNIT.  
UNIVERSITY OF BARCELONA

Under the auspicious of



Congress Organiser:

Cristina Cruz

ACADEMY FUNDOLOR

Multidisciplinary Pain Management Department

Anesthesia Department

Consorcio Hospital General Universitario de Valencia

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MORE INFORMATION ON [www.academyfundolor.org](http://www.academyfundolor.org)

Day 1 - Friday 2nd December 2022  
BASIC SCIENCE

Time	Session	Faculty
08.15-8.30	Introduction and Welcome	<b>José De Andrés</b> <b>Albert Prats</b>
<b>08.30-10.00</b>	<b>ANATOMY FOR PAIN CLINICIANS</b>	
08.30-09.30	Anatomy for Craneal and Spine procedures	Albert Prats
09.30-10.00	Applied Anatomy for the practice of spinal cord and DRG neuro-modulation	Jose De Andres
<b>10.00-11.00</b>	<b>NEUROBIOLOGY and PHYSIOLOGY FOR PAIN CLINICIANS</b>	
10.00-10.30	Targeting Non-Dorsal Column, Non-Axonal Structures. Understanding its neurophysiological basis	Steven Falowski
10.30-11.00	Technology for outcome prediction in Neurostimulation: Machine Learning Algorithms	Philippe Rigoard
11.00-11.30	<b>Break</b>	
11.30-12.00	Intraoperative neuromonitoring, in Placement of Percutaneous Dorsal Root Ganglion Stimulation and Spinal Cord Stimulation Systems	Steven Falowski
12.00-12.30	The concept of Dosage in Neuromodulation Therapy. Understanding the role of different stimulation wave and types of waveform	Alex Green
12.30-13.00	OMICs, fMRI, <i>Mathematical Models</i> and <i>Computer Simulations</i>	Jose De Andrés
13.00-13.30	SCS Interactions with Medical, electrical and/or magnetic equipment. Guidelines for reducing complications in neurostimulation practice.	Jose De Andrés
<b>15.00-20.00</b>	<b>CADAVER. HANDS-ON DEMOSTRATION</b>	
	<b>1. Neuromodulation with ECAP Cadaver Station</b>	Steven Falowski
	<b>2. Percutaneous ANTEROGRADE lead paraspinal Percutaneous Occipital Nerve Stimulation (ONS) All-in-one (single stage) approach. Tunnelling and pocket creation</b>	Philippe Rigoard
	<b>3. Percutaneous RETROGRADE lead paraspinal insertion Pelvic and perineal stimulation for somatic and visceral pain Cadaver Station</b>	Ashish Shetty
	<b>4. DRG neuromodulation lead insertion</b> • Percutaneous • Endoscopic Navigation Cadaver Station	Alex Green
	<b>5. Ultrasonography Stations</b> • Spine structures identificacion for the practice of SCS neurostimulation	Andrzej Krol
	<b>6. PNS insertion with US guidance</b>	Alejandro Ortega
	<b>7. Technical Station</b> Devices and programming	Jose Luis Durá Kate Vincent Jones
<b>20.00</b>	<b>Closing of the Day</b>	

Day 2 - Saturday 3rd December 2022  
CLINICAL SCIENCE

Time	Session	Faculty
<b>08.15-10.00</b>	<b>TECHNICAL SECTION</b>	
08.30-09.00	Trial versus No Trial of Spinal Cord Stimulation	Ashish Shetty
09.00-09.30	How to manage habituation and loss of efficacy in clinical practice	Philippe Rigoard
09.30-10.00	Improving SCS clinical Outcome with Patient Specific Physiological Monitoring	Steven Falowski
10.00-10.30	DGR stimulation indication in current clinical practice	Alex Green
<b>10.30-11.00</b>	<b>Break</b>	
<b>11.00-13.30</b>	<b>DISEASE SPECIFIC PAIN ASSESSMENT AND MANAGEMENT</b>	
11.00-11.30	Neuromodulation management with Peripheal Nerve stimulation (PNS). In the search of the indications? Shoulder, Groin, Knee?	Alejandro Ortega
11.30-12.00	Neuromodulation alternatives for "Persistent Spinal Pain Syndrome"	Philippe Rigoard
12.00-12.30	Neuromodulation for chronic visceral pain	Ashish Shetty
12.30-13.00	Neuromodulation in Treating Pelvic Pain	Jose De Andrés
13.00-13.30	New clinical targets for Neuromodulation: Parkinson, Inflammation and Related Organ Dysfunction, Neuropatic COVID-19 Sequelae	Jose De Andrés
13.30-13.35	Learning Cases Scenarios, Interactive discusion	Jose De Andrés
13.30-13.35	Closing Remarks	José De Andrés
14.00-15.30	Lunch	
15.30	Departures	

**Faculty**

**José De Andrés MD, PhD, FIPP, EDRA, EDPM**  
Anesthesiologist  
Professor of Anesthesia. Valencia University Medical School. Chairman. Department of Aneshtesiology and Critical Care. Director of Multidisciplinary Pain Management Center. General University Hospital. Valencia.Spain.

**Jose Luis Durá MSc**  
Electronic Engineer.  
Polytechnic College. Valencia. Spain

**Steven Falowski MD**  
Neurosurgeon  
Director Functional Neurosurgery, Neurosurgical Associates of Lancaster Lancaster, PA, 17601, USA

**Alex Green FRCS, MD, BSc, MB BS**  
Neurosurgeon  
Nuffield Dpt. Of Clinical Neurosciences  
John Radcliffe Hospital, Oxford. United Kingdom

**Andrzej Krol , MD**  
Anesthesiologist  
St. George's University Hospitals. London. UK

**Alejandro Ortega, MD**  
Anesthesiologist  
Hospital Asepeyo. Madrid. Spain

**Albert Prats , MD, PhD**  
Professor of Anatomy  
Anatomy Department  
University of Barcelona. Barcelona Spain

**Philippe Rigoard, MD, PhD**  
Neurosurgeon  
Department of Spine Surgery & Neuromodulation,  
Poitiers University Hospital, 86021 Poitiers, France.

**Ashish Shetty FRCA, FFPMRCA Associate**  
Professor, UCL  
Regional Advisor in Pain Medicine  
Chief Medical Officer, Nurokor Consultant  
Lead in Pain Medicine National Hospital for Neurology & Neuro-surgery  
University College Lonfon Hospitals.  
London

**Kate Vincent Jones**  
Biomedical Engineering  
Texas A&M University  
College Station, TX USA