



3d Workshop of the  
Neurobiology of Pain and  
Inflammation Program (SP5)

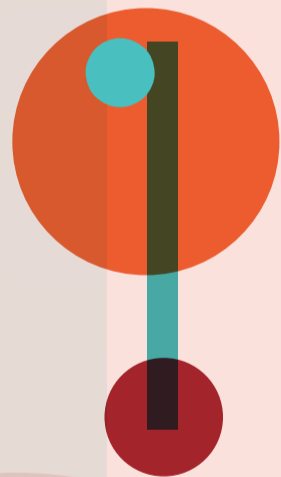
# Somatosensory functions of neuronal and non neuronal cells

24-25th October 2024  
Alicante Spain

## Program

### Organizing Committee

Hugo Cabedo, Instituto de Neurociencias, UMH-CSIC, ISABIAL  
Ana Gomis, Instituto de Neurociencias, UMH-CSIC  
Félix Viana, Instituto de Neurociencias, UMH-CSIC



Venue

Instituto de Neurociencias UMH-CSIC  
Salón de Actos  
Avenida Santiago Ramón y Cajal s/n.  
03550 - San Juan de Alicante

Further Information

[sp5\\_paininflammation@umh.es](mailto:sp5_paininflammation@umh.es)





## 24<sup>th</sup> October 2024

### 20:30 Welcome Dinner

(participation is by invitation only)

## 25<sup>th</sup> October 2024

**8:00-9:00 Registration** open for participants at Instituto de Neurociencias

**9:05-9:15 Welcome** address by Félix Viana (Director SP5 Program)

### **SESSION 1. Chair: Francisco Taberner**

#### **9:15-10:00 Javier Aguilera Lizarraga**

University of Cambridge, Cambridge (UK)

**Immune feelings in the irritable bowel syndrome: pathways of mast cell-nerve communication in abdominal pain**

#### **10:00-10:15 Rafael González Cano**

Department of Pharmacology, University of Granada, Granada (Spain)

**Transforming rodent pain evaluation through AI**

#### **10:15-10:45 Enrique Cobos**

Department of Pharmacology, University of Granada, Granada (Spain)

**Pharmacological differences in postoperative cutaneous sensitivity, pain at rest, and movement induced pain in laparotomized mice**

#### **10:45-11:15 Ana Gomis**

Instituto de Neurociencias UMH-CSIC, Alicante (Spain)

**Role of Piezo2 channels in acute and neuropathic pain**

#### **11:15-11:30 Sergio Sarrio**

Instituto de Neurociencias UMH-CSIC, Alicante (Spain)

**PIEZO1 and PIEZO2 Blade domains are differentially required for channel localization and function**

#### **11:30-12:00 Coffee Break**

### **12:00-13:15 Plenary Lecture: Alexander Chesler**

NIH/NCCIH, Bethesda, USA

**Molecules and cells for touch and pain**

#### **13:15-14:45 Lunch at Instituto de Neurociencias**

(Open to speakers, out of town participants and members of SP5 program)



## **SESSION 2. Chair: Alerie Guzman**

### **14:45-15:30 Romina Nassini “Prometeo Program Lecture”**

University of Florence, Florence (Italy)

**Receptor channels and their crucial role in cancer pain**

### **15:30-15:45 Francesco De Logu**

University of Florence, Florence (Italy)

**Schwann Cell C5aR1 co-opts Inflammasome NLRP1 to Sustain Pain in a Mouse Model of Endometriosis**

### **15:45-16:00 Miguel Ángel Serrano “Grünenthal Lecture”**

Instituto de Neurociencias UMH-CSIC, Alicante (Spain)

**Nociceptive Schwann cells’ role in oxaliplatin-induced peripheral neuropathy**

### **16:00-16:30 Berta Sánchez Laorden**

Instituto de Neurociencias UMH-CSIC, Alicante (Spain)

**Role of Schwann cells in melanoma progression**

### **16:30-17:00 Andrés Fuentes**

Instituto de Neurociencias UMH-CSIC, Alicante (Spain)

**Role of non-canonical peripheral glia-neuron interactions in sensory transduction**

### **17:00-17:30 Coffee Break**

## **SESSION 3. Chair: Augusto Escalante**

### **17:30-18:15 Kim Chisholm**

University of Nottingham, Nottingham (United Kingdom)

**Shedding light on chronic pain: how in vivo microscopy can support our understanding of pain and somatosensation**

### **18:15-18:30 David Cabañero**

IDiBE, Universidad Miguel Hernández, Elche, (Spain)

**Therapeutic potential of TRPM8 ligands in a murine model of chronic migraine**

### **18:30-18:45 Jorge de Andrés**

IDiBE, Universidad Miguel Hernández, Elche, (Spain)

**Discovery of PLC-beta 3 and 4 modulators: relevance in somatosensation**

### **18:45-19:00 Closing remarks by Felix Viana**