

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

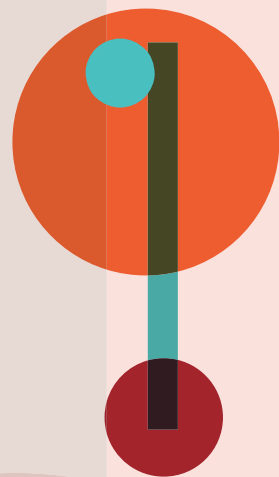
Somatosensory dysfunctions of neuronal and non neuronal cells

24-25th October 2024
Alicante Spain

Program

Organizing Committee

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



EXCELENCIA
SEVERO
OCHOA
2014 - 2027





24th October 2024

20:30 Welcome Dinner

(participation is by invitation only)

25th 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 “Grünenthal Lecture”

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)

Role of glial cells in mediating pain

15:30-15:45 Francesco De Logu

University of Florence, Florence (Italy)

Role of Schwann cells in sustaining cancer pain

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