

# 20th ANNUAL SYMPOSIUM OF THE FRENCH PAIN RESEARCH NETWORK

Lyon, 23 April 2025

## Scientific program

### 8h00-8h30 Welcome

#### 8h30-9h00 Introduction

*Peyron Roland*

Director of NeuroPain lab - Inserm U1028

*Denis Vivien*

Director of the Inserm Thematic Institute

Neurosciences, Cognitive Sciences, Neurology, Psychiatry

### 9h00-9h30 Plenary Lecture 1

Sleep deficiency and chronic pain: potential underlying mechanisms and clinical implications

*Bastuji H  l  ne*

#### 9h30-10h45 Workshop 1: From Brain to Cellular Mechanisms of Pain

9h30-9h45 Beyond nociception: towards an understanding of subjective pain perception networks in Humans.

*Juliette Gelebart*

9h45-10h00 Isolating brain regions that modulate the pain experience through emotion and cognition

*Malaguti Modernell Laura*

10h00-10h15 Fibromyalgia and Small fiber neuropathy: Which prevalence and which relationship with pain?

*Linh Nguyen*

10h15-10h30 TREK1-positive neurons are involved in chloroquine-induced itch in mice

*Bony Romane*

10h30-10h45 Acid-sensing ion channel 3 (ASIC3) in cold sensation

*Meynier Ma  va*

### 10h45-11h15 Coffee break

### 11h15-11h45 Plenary Lecture 2

Neurons and circuits of descending pain modulation.

*Zeilhofer Hanns Ulrich*

#### 11h45-13h00 Workshop 2: Pain Modulation and Immune Response

11h45-12h00 vPAG-SST neurons control pain descending pathway in a physiopathological context

*Viellard Juliette*

12h00-12h15 Reduced inflammation-induced visceral sensitivity in aged mice is associated with high potency of T cells to produce enkephalins

*Rey L  a*

12h15-12h30 Contribution of the satellite glial cells in PACAP-induced migraine-like symptoms

*Hocine Mathis*

12h30-12h45 Study of neuropathic pain induced by cortical homeostatic plasticity in a mouse model of facial neuropathy

*Loudan Justine*

12h45-13h00 Plx5622 prevents inflammation in a murine model of corneal neuropathic pain

*Huang Jian*

### 13h00-14h00 Lunch break

### **14h00-14h30 Plenary Lecture 3**

Implication of the cystine-glutamate exchanger in pain chronicisation.

*Hermans Emmanuel*

### **14h30-15h45 Workshop 3: Pain and Neurological Disorders**

14h30-14h45 A new model for studying the onset of Parkinson disease related sensory deficits

*Grellier Gawain*

14h45-15h00 Anxiety as a comorbidity or predisposing factor in neuropathic pain: role of the cystine/glutamate exchanger

*Pauline Braconnier*

15h00-15h15 Pupillometry to evaluate descending noradrenergic controls of nociceptive transmission in an attention deficit hyperactivity disorder (ADHD) mouse model

*Medrano Maria-Carmen*

15h15-15h30 The effect of prenatal stress on development and functions of nociceptors

*Ghezziel Nadine*

15h30-15h45 Molecular and cellular alterations in the dorsal raphe nucleus in the comorbidity of chronic pain and mood disorder

*Langlois Enora*

### **15h45-16h15 Coffee break**

### **16h15-16h45 Plenary Lecture 4**

"Neurophysiological and skin biopsy investigations in neuropathic and nociplastic pain".

*Andrea Truini*

### **16h45-18h00 Workshop 4: Innovative Therapeutic Approaches and Mechanisms**

16h45-17h00 Dolonersen, a novel therapeutic approach based on the use of an antisense oligonucleotide to relieve pain symptoms of chemotherapy-induced peripheral neuropathy

*Maskini Dounia*

17h00-17h15 EasyCog: a digital cognitive self-assessment tool for chronic pain

*Hadri lisa*

17h15-17h30 Analgesic efficacy of non-invasive neuromodulation techniques in chronic cancer pain

*Grenouillet Solène*

17h30-17h45 The therapeutic effect of platelet-rich plasma on chronic pain

*Jester Sarah*

17h45-18h00 Modulation of G protein-coupled estrogen receptor (GPER) as a therapeutic strategy for osteoarthritis pain management

*Gousseau Pauline*

### **18h00-18h30 Plenary Lecture 5**

New tools to probe pain pathways with light

*Yves de Koninck*

### **18h30-18h45 Workshop 6: French Pain Research Network**

*Radhouane Dallel*

### **20h00 Dinner**