# 20th Annual Symposium
# Of the French Pain Research Network

Lyon, 23 April 2025

Zeilhofer Hanns Ulrich
(Switzerland)

Bastuji Hélène
(France)

Truini Andrea
(Italy)

Hermans Emmanuel
(Belgium)

De Koninck Yves
(Canada)

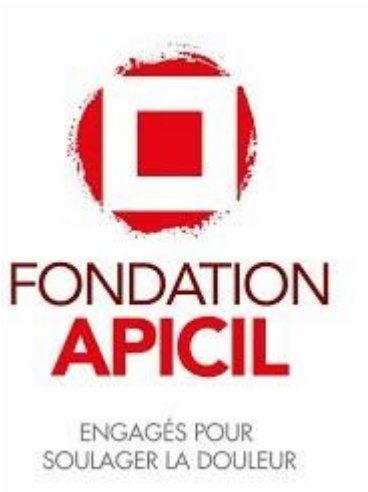
The 20th Symposium of the French Pain Research Network will be held on 23rd April 2025 in Lyon, on the Michel-Jouvet campus of the Claude-Bernard Lyon 1 University. This event will bring together renowned experts around five plenary lectures by national and international researchers, including: Bastuji Hélène (France), Zeilhofer Hanns Ulrich (Switzerland), Hermans Emmanuel (Belgium), Truini Andrea (Italy) and De Koninck Yves (Canada).

# Sponsorships

*We would like to thank the partners who supported the organization of this event:*







# Organization

## LOCAL COMMITTEE

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Camille Fauchon
Isabelle Faillenot
Maud Frot
Juliette Gélébart
Caroline Perchet
Roland Peyron
Charles Quesada

## SCIENTIFIC COMMITTEE

Radhouane Dallel
Xavier Moisset
Ipek Yalcin
Camille Fauchon
Marc Landry
Nathan Moreau
André Mouraux
Eric Lingueglia

## LOCATION

CRNL - NEUROCAMPUS Michel Jouvet
Centre de Recherche en Neurosciences de Lyon
CH Le Vinatier - Bâtiment 462 - Neurocampus
95 Bd Pinel,
69500 Bron

# Scientific Program

## 8h00-8h30 Welcome

## 8h30-9h00 Introduction

*Peyron Roland*
Director of NeuroPain Lab

*Vivien Denis*
Director of the Inserm Thematic Institute
Neurosciences, Cognitive Sciences, Neurology, Psychiatry

## 9h00-9h30 Plenary Lecture 1

*Chair: Mouraux André*

Sleep deficiency and chronic pain: potential underlying mechanisms and clinical implications
*Bastuji Hélène (France)*

## 9h30-10h45 Workshop 1: From Ion Channels to Neuroimmune Interactions

*Chair: Reaux Le Goazigo Annabelle, Rivat Cyril*

09h30-09h45 Acid-sensing ion channel 3 (ASIC3) in cold sensation
*Meynier Maëva*
09h45-10h00 TREK1-positive neurons are involved in chloroquine-induced itch in mice
*Bony Romane*
10h00-10h15 Reduced inflammation-induced visceral sensitivity in aged mice is associated with high potency of T cells to produce enkephalins
*Rey Léa*
10h15-10h30 Contribution of the satellite glial cells in PACAP-induced migraine-like symptoms
*Hocine Mathis*
10h30-10h45 Plx5622 prevents inflammation in a murine model of corneal neuropathic pain
*Huang Jian*

## 10h45-11h15 Coffee break

## 11h15-11h45 Plenary Lecture 2

*Chair: Moisset Xavier*

Neurons and circuits of descending pain modulation.
*Zeilhofer Hanns Ulrich (Switzerland)*

## 11h45-13h00 Workshop 2: Pain Mechanisms: From Perception to Pathology

*Chair: Liberati Giulia, Fossat Pascal*

11h45-12h00 Fibromyalgia and Small fiber neuropathy: Which prevalence and which relationship with pain?
*Nguyen Hai Linh*
12h00-12h15 vlPAG-SST neurons control pain descending pathway in a physiopathological context
*Viellard Juliette*
12h15-12h30 Beyond nociception: towards an understanding of subjective pain perception networks in Humans.
*Gelebart Juliette*
12h30-12h45 Study of neuropathic pain induced by cortical homeostatic plasticity in a mouse model of facial neuropathy
*Loudan Justine*
12h45-13h00 A new model for studying the onset of Parkinson disease related sensory deficits
*Grellier Gawain*

## 13h00-14h00 Lunch break

# Scientific Program

## 14h00-14h30 Plenary Lecture 3

*Chair: Cenac Nicolas*

Implication of the cystine-glutamate exchanger in pain chronicisation
*Hermans Emmanuel (Belgium)*

## 14h30-15h45 Workshop 3: Comorbidities and Predisposing Factors

*Chair: Massotte Dominique, Chouchou Florian*

14h30-14h45 Anxiety as a comorbidity or predisposing factor in neuropathic pain: role of the cystine/glutamate exchanger
*Braconnier Pauline*

14h45-15h00 Pupillometry to evaluate descending noradrenergic controls of nociceptive transmission in an attention deficit hyperactivity disorder (ADHD) mouse model
*Medrano Maria-Carmen*

15h00-15h15 The effect of prenatal stress on development and functions of nociceptors
*Gheziel Nadine*

15h15-15h30 Molecular and cellular alterations in the dorsal raphe nucleus in the comorbidity of chronic pain and mood disorder
*Langlois Enora*

15h30-15h45 Easycog: a digital cognitive self-assessment tool for chronic pain
*Hadri lisa*

## 15h45-16h15 Coffee break

## 16h15-16h45 Plenary Lecture 4

*Chair: Bouhassira Didier*

Neurophysiological and skin biopsy investigations in neuropathic and nociplastic pain.
*Truini Andrea (Italy)*

## 16h45-18h00 Workshop 4: Novel Approaches in Pain Management

*Chair: Bichet Delphine, Lolignier Stéphane*

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 Analgesic efficacy of non-invasive neuromodulation techniques in chronic cancer pain
*Grenouillet Solène*

17h15-17h30 The therapeutic effect of platelet-rich plasma on chronic pain
*Jester Sarah*

17h30-17h45 Modulation of G protein-coupled estrogen receptor (GPER) as a therapeutic strategy for osteoarthritis pain management
*Gousseau Pauline*

17h45-18h00 Isolating brain regions that modulate the pain experience through emotion and cognition
*Malaguti Modernell Laura*

## 18h00-18h30 Plenary Lecture 5

*Chair: Yalcin Ipec*

New tools to probe pain pathways with light
*De Koninck Yves (Canada)*

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

*Dallel Radhouane*

## 20h00 Dinner

Ninkasi Guillotière – 2 places Antonin Jutard, Lyon 3

# NEUROCAMPUS access plan

'Neurocampus Michel Jouvet' is located in the park of the Le Vinatier Hospital

**Bâtiment 462 Neurocampus Michel Jouvet, 95 boulevard Pinel, 69530 Bron**

## ***By road:***

- From Lyon city center: The main entrance of CH Le Vinatier is located at 95 Boulevard Pinel, 69500 Bron.
- From the highway: Take Boulevard Périphérique Laurent Bonnevay, exit at 'Hôpitaux Est', then at the roundabout, turn left towards the gate 'Le Vinatier'.

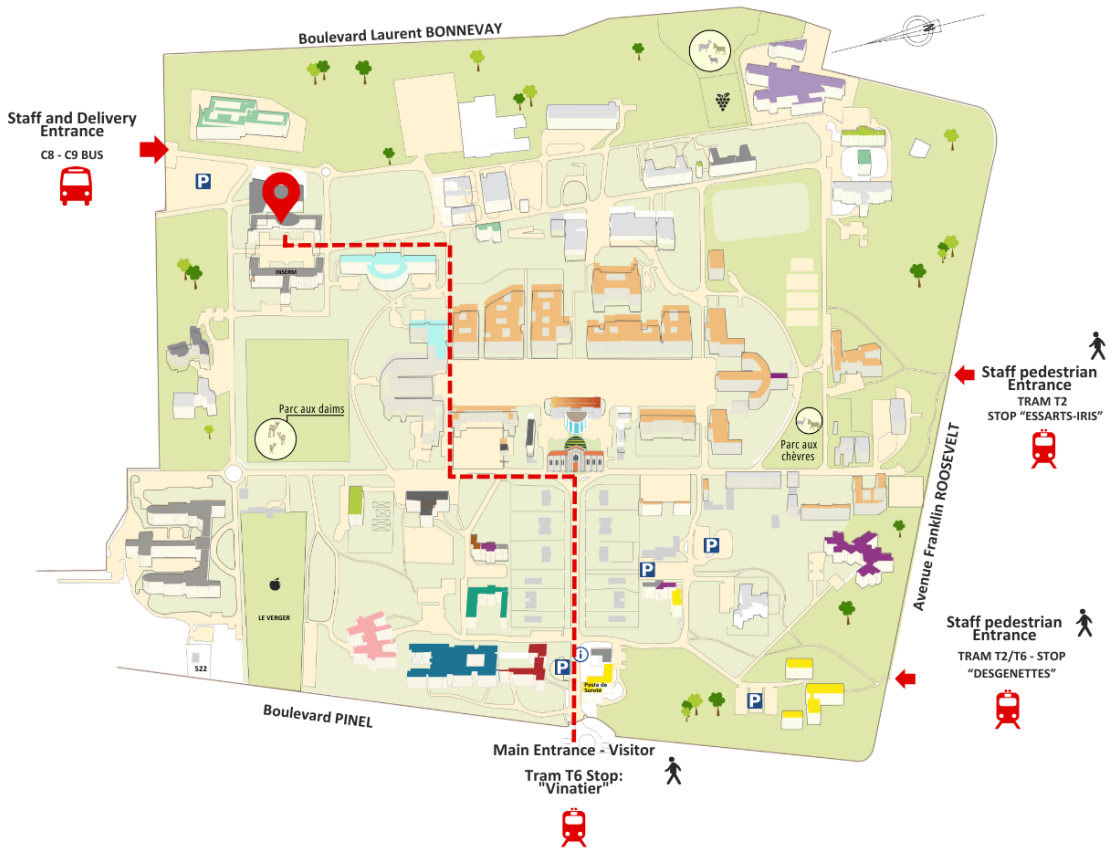
Neurocampus

## ***Public Transport*:**

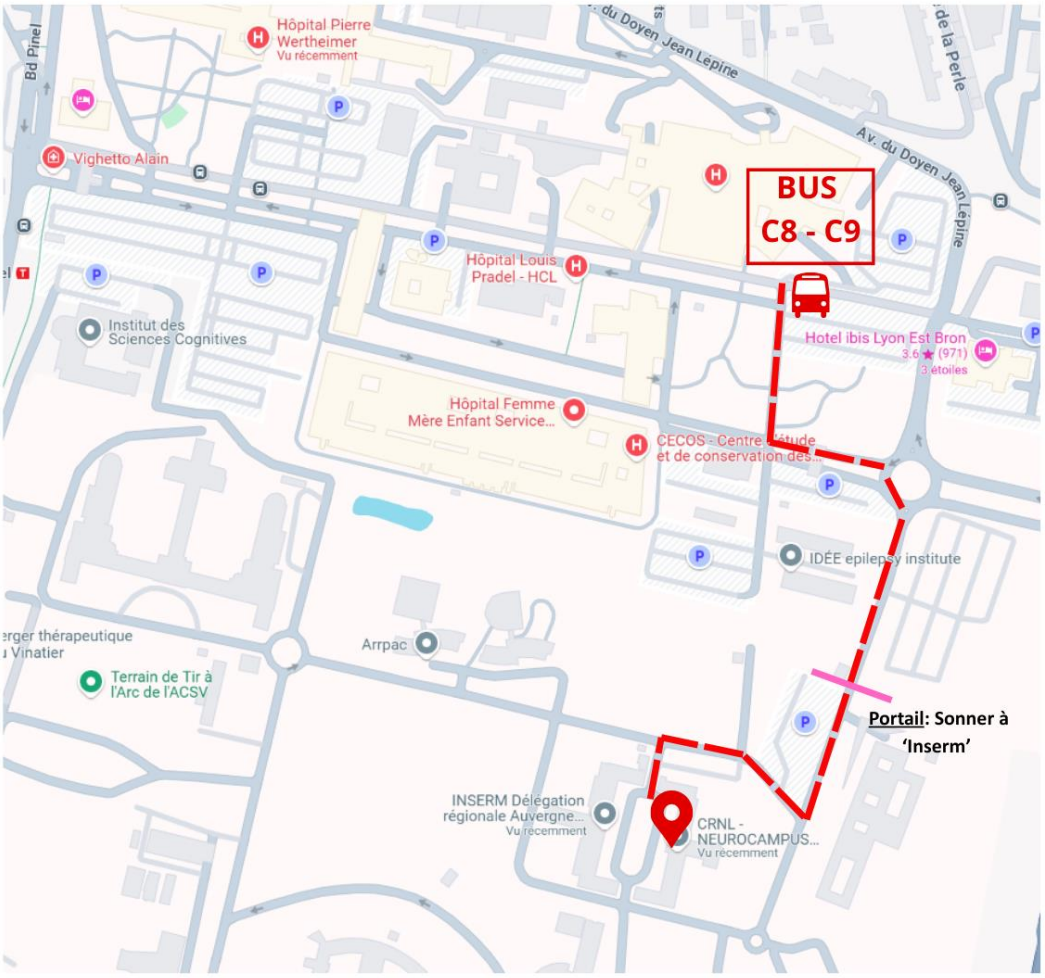
**BUS C8** – Stop: 'Hôpital Cardiologique'
**BUS C9** – Stop: 'Hôpitaux Est'

**TRAM T2** and **T5** – Stop: 'Desgenettes'
**TRAM T6** – Stop: 'Vinatier'

## ***Map of "Le Vinatier Hospital' (Main Entrance)***



## Access Map to 'Le Vinatier Hospital' via Bus (C8 - C9)



# Ninkasi Guillotière access plan

**2 place Antonin Jutard, 69003 Lyon**

Ninkasi Guillotière

***From Neurocampus*:**

**BUS C8** (Grange Blanche) -> **STOP:** 'Grange Blanche'

**Metro D** (Gare de Vaise) -> **STOP:** 'Guillotière Gabriel Péri'

**TRAM T6** (Debourg) -> **STOP:** 'Mermoz Pinel'

**Metro D** (Gare de Vaise) -> **STOP:** 'Guillotière Gabriel Péri'

***From Bellecour:***

**METRO D** (Gare de Vénissieux) -> **STOP:** 'Guillotière Gabriel Péri'

**12 min** via 'Pont de la guillotière'

***From Part-dieu:***

**BUS C9** (Bellecour Le Viste) -> **STOP:** 'Fosse aux Ours'

**TRAM T1** (Debourg) -> **STOP:** 'Guillotière Gabriel Péri'