

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

Siloé Corvin
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 Jouvét
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
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Pevron 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

Rev 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 vIPAG-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

Mag2Health will be present at NeuroCampus. This year, the company installed robotized and neuro-navigated rTMS at Neuro and St-Etienne University Hospital. Ronald Giraud will be on hand to answer your questions and demonstrate his equipment.



Depuis 2012,
Mag2Health vous accompagne dans le choix
des meilleurs outils d'analyse dans les domaines
de l'électrophysiologie et des neurosciences.

Nous sommes spécialisés en **Neurodiagnostic**
ainsi qu'en **Neuromodulation** et proposons des appareils :
d'EMG, d'EEG, de rTMS pouvant être Neuronaviguée
et Robotisée, de tDCS, d'ECT et de TPS.

Nous disposons également d'une **large gamme**
d'accessoires et consommables d'électrophysiologie
afin d'assurer une qualité continue du patient
jusqu'à l'appareil d'enregistrement ou de stimulation.

Récemment nous avons installé les CHU de St Etienne,
Nice, Clermont Ferrand et Lyon en rTMS Robotisée.

**Notre équipe est à votre écoute pour vous informer
dans tous ces domaines.**



www.mag2health.com mail : info@mag2health.com Tel : 01.39.75.08.81

NEUROCAMPUS access plan

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



Bâtiment 462 Neurocampus Michel Jovet
69500 Bron



Neurocampus



VINATIER

By road:

- From Lyon city center: The main entrance of CH Le Vinatier is located at 95 Boulevard Pinel, 69500 Bron (45.742102, 4.893854)
- From the highway: Take Boulevard Périphérique Laurent Bonnevey, exit at 'Hôpitaux Est', then at the roundabout, turn left towards the gate 'Le Vinatier'.

Public Transport:



BUS C8 – Stop: 'Hôpital Cardiologique'

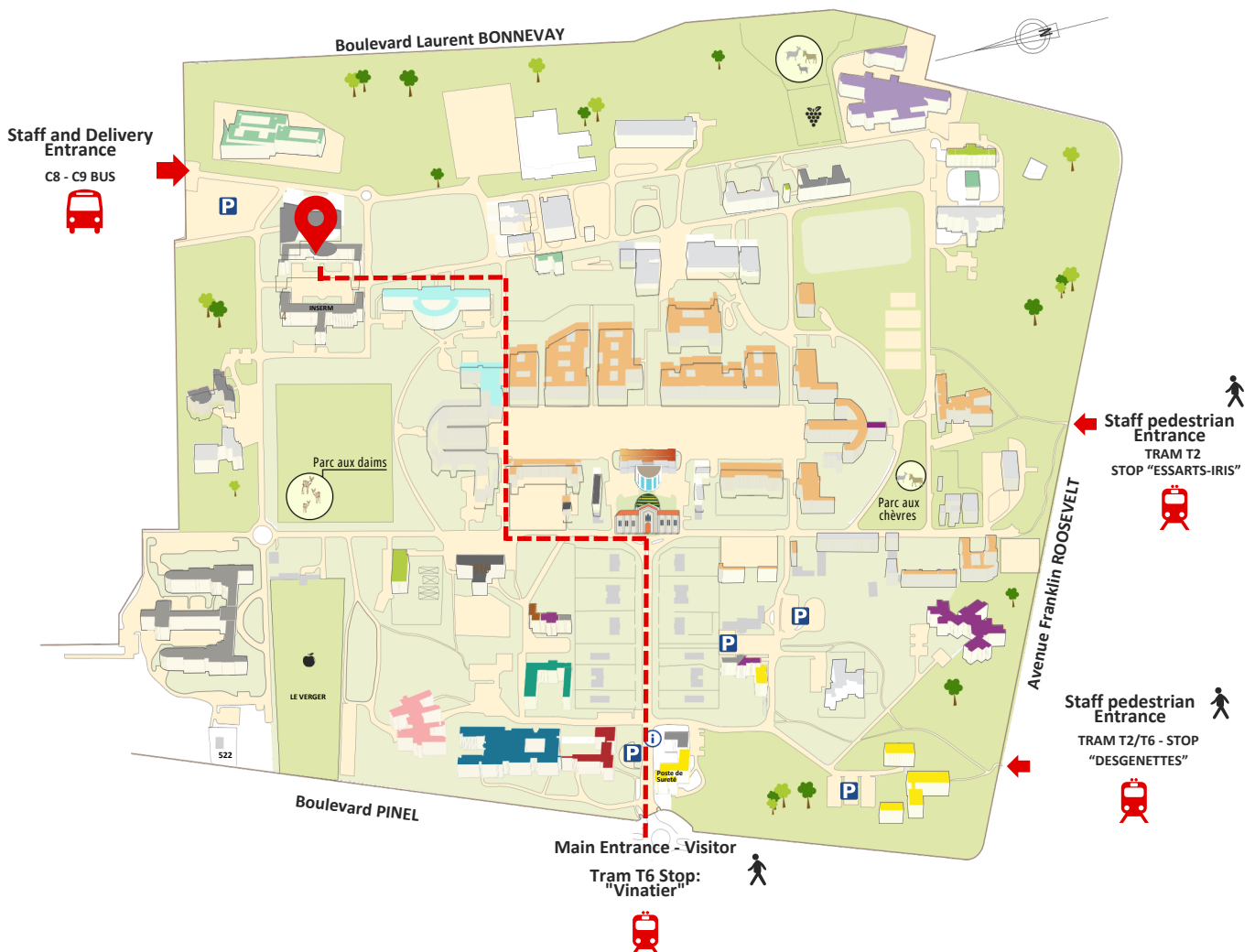
BUS C9 – Stop: 'Hôpitaux Est'



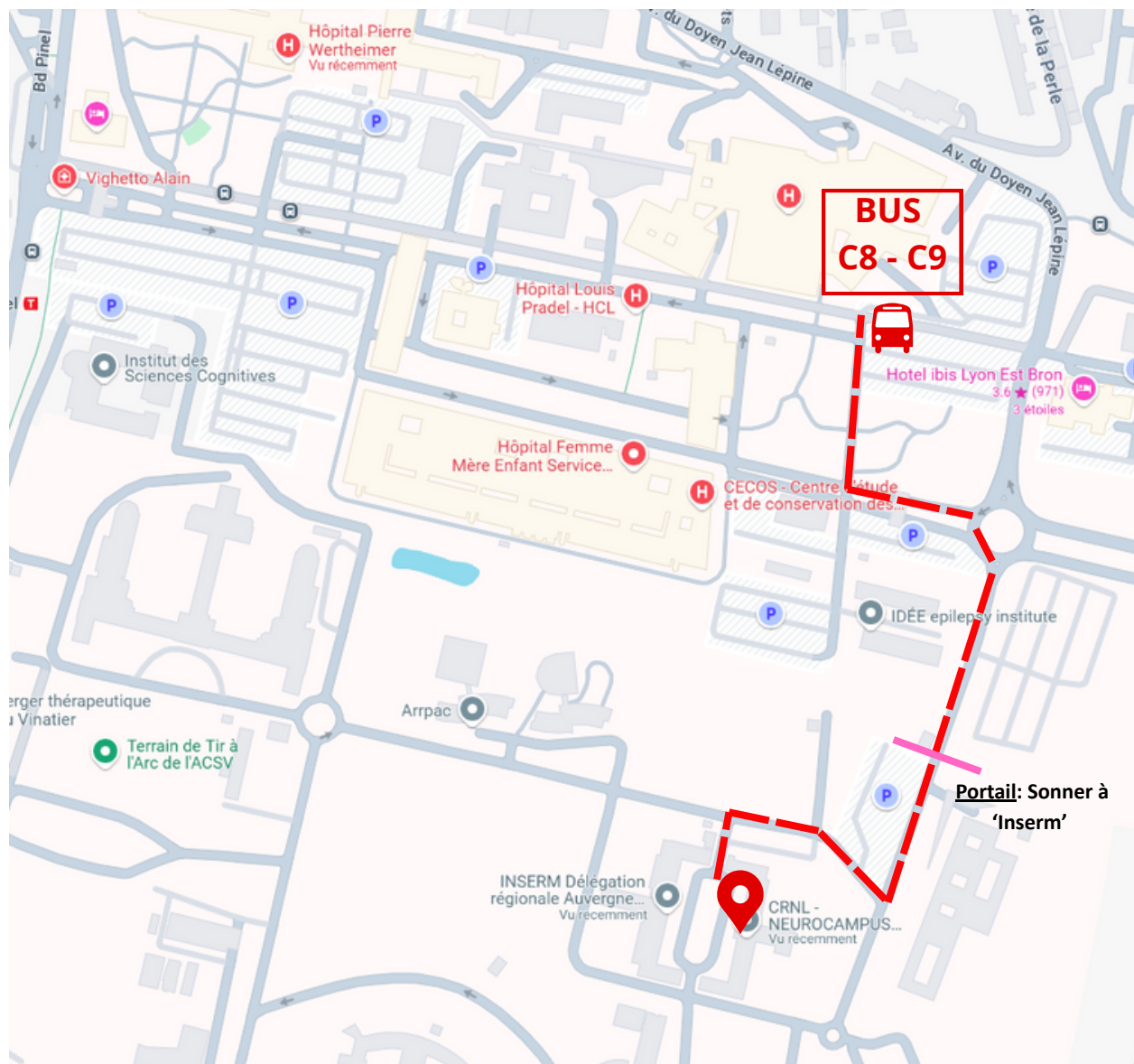
TRAM T2 and T5 – Stop: 'Desgenettes'

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'

