

LYON NEUROSCIENCE RESARCH CENTRE

WWW.CRNL.FR

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THE LYON NEUROSCIENCE RESEARCH CENTRE (CRNL)

The CRNL brings together the multidisciplinary expertise of 450 members to decipher the organisation of the central nervous system, cognitive functions, mental states and associated brain disorders.
The neural substrates of brain functions, including perception and action, attention, memory and learning, sleep and alertness, emotions and social cognition are studied in two intertwined strategic directions: from genes and cells to behaviour and cognition on the one hand, and from the bench to the patient on the other.
Our goal is to link this knowledge for the production of new diagnostic markers and innovative therapies.

CRNL TEAMS

BIORAN
Radiopharmaceutical and Neurochemical Biomarkers

CAP
Auditory Cognition and Psychoacoustics

CMO
Olfaction: from Coding to Memory

COPHY
Computation, Cognition and Neurophysiology

EDUWELL
Experiential Neuroscience and Mental Training

ENES
Sensory Neuro-Ethology

FLUID
Fluids and Barriers of the Central Nervous System

FORGETTING
Forgetting Processes and Cortical Dynamics

GENDEV
Genetics of Neurodevelopment

IMPACT
Integrative Multisensory Perception, Action and Cognition

MEMO (CPJ)
Memory, Learning and Rewiring

NEUROPAIN
Central Integration of Pain in Human

NEUROPOP
Neurobiology and Plasticity of Olfactory Perception

PAM
Perception, Attention, Memory

PSYR2
Psychiatric Disorders, Neuroscience Research and Clinical Research

SLEEP
Pathophysiology of the Vigilance States

SOCIAL HEALTH (ERC)
Social, Affective, and Health Neuroscience

TIGER
Translational and Integrative Group in Epilepsy Research

TRAJECTOIRES
Evaluating, understanding, supporting motor, perceptive and social Trajectories

WAKING
Integrated Physiology of the Brain Arousal Systems

MORE INFO
www.crnl.fr/en/equipes

KEY FIGURES

171
permanent researchers, teachers & clinicians

69
permanent engineers, technicians & admin



210
doctoral students & post-docs, students & non-permanent contracts

DIRECTOR
Olivier Bertrand

DEPUTY DIRECTOR
Laurent Bezin

CRNL PLATFORMS

ANIMAL FACILITIES
Conventional and SPF housing

BELIV
BioELectrochemistry In Vivo

BI-PHOTON
Biphotonic microscopy

BIP
Blood Brain Interfaces Exploratory Plateform

GENCYTI
Molecular, Cellular and Tissue Neurobiology

iEEG
Human Intracerebral Signals

MouvHandi
Mouvement et Handicap

NEURO-I
Neuro-immersion

NeuroDialyTics
NeuroDialyTics

OFSEP
French Observatory on Multiple Sclerosis

PEE
Experimental Ethology Platform

PLANETE
Platform for developmental cognitive neuroscience research

MORE INFO
www.crnl.fr/en/plateformes-et-plateaux-technique

PARTNER PLATFORM FOR NEUROIMAGING (CERMEP)

MEG
1.5 and 3T MRI
PET-CT
Hybrid MRI-PET
7T micro-MRI
micro-PET

The **CRNL's teams** are located in the East-Lyon university hospital pole, close to the Neurological Hospital, the Woman-Mother-Child Hospital and the Vinatier Psychiatric Hospital. This unique site combines academic and clinical research and high-tech platforms dedicated to research on the brain and its pathologies. More than half of the CRNL is located in the Neurocampus Michel Jouvet building. A branch of the CRNL is also located in Saint-Étienne.

CONTACT

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CRNL.Lyon

ADMINISTRATIVE SUPERVISORS

- Inserm
- CNRS
- Université Claude Bernard Lyon 1
- Université Jean Monnet Saint-Etienne

HOSPITAL PARTNERS

- **Hospices Civils de Lyon**
- **Centre Hospitalier Le Vinatier**

TRAINING

- Neurosciences & Cognition Doctoral School
nsco.universite-lyon.fr

- Master of Neurosciences
masterneuro.univ-lyon1.fr

- Master Santé
istr.univ-lyon1.fr/formations/master-sante

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