March 2016

École des Neurosciences Paris Île-de-France

NETWORK'S MAIN RESEARCH THEMES

Computational Neurosciences Neural theory

BRETTE Romain
Computational neuroscience of sensory systems

DESTEXHE Alain
Computational Neuroscience

FREGNAC Yves
Visual Cognisciences

GUTKIN Boris
OSTOJIC Srdjan
Dynamical Neural Theory Group

HANSEL David
LEVENES Carole
Cerebral Dynamics, Plasticity, Learning

NADAL Jean-Pierre
HAKIM Vincent
Complex networks and cognitive systems

Cognitive Neuro Neuropsychology

ARLEO Angelo
Aging in Vision and Action

BACHOUD-LEVI Anne Catherine
Interventional neuropsychology

CHRISTOPHE Anne
Language and its acquisition

DEHAENE Stanislas
Cognitive Neuroimaging Unit

DUPOUX Emmanuel
Computational mechanisms of cognitive development

GEORGE Nathalie
FOSSATI Philippe
Social and Affective Neuroscience team

GREZES Julie
Social Neuroscience Group

HOUDE Olivier
Laboratory for the Psychology of Child Development and Education

KOECHLIN Etienne
Frontal lobe functions group

KOUIDER Sid
Brain and Consciousness

LEVY Richard
FrontLab

MAMASSIAN Pascal
Vision Group

NACCACHE Lionel
COHEN Laurent
BARTOLOMEO Paolo
Physiological Investigations of Clinically Normal & Impaired Cognition Lab

PESSIGLIONE Mathias
DAUNIZEAU Jean
BOURET Sébastien
Motivation, Brain and Behavior

RAMUS Franck
Cognitive development and pathology

TALLON-BAUDRY Catherine
Visual Cognition Group

VAN WASSENHOVE Virginie
Brain Dynamics

Neurophysiology Systems neuroscience

AGULHON Cendra
Glia-Glia and Glia-Neuron Interactions Group

ANGULO Maria Cecilia
Physiology of NG2 cells

AUDINAT Etienne
Neuron-Glia Interactions

BACCI Alberto
Cellular Physiology of Cortical Microcircuits

BAL Thierry
Neurocybernetics of thalamic and cortical networks

BARBOUR Boris
Cerebellum group

BATHELLIER Brice
Cortical dynamics and multisensory processing

BENCHENANE Karim
Memory, Oscillations and Brain states

BORMUTH Volker
Neuronal circuits and behavior

BOURDIEU Laurent
Dynamics of cortical activity and coding mechanisms

CHARPAK Serge
From sensory processing to functional hyperaemia

CHEVALEYRE Vivien
PISKOROWSKI Rebecca
Synaptic Plasticity and Neuronal Circuits

DEBREGEAS Georges
Neuroimaging and behavior of the zebrafish

DI GREGORIO David
Dynamic Neuronal Imaging

DIEUDONNE Stéphane
SUPPLISSON Stéphane
Inhibitory Transmission

EL MESTIKAWY Salah
Normal and pathological Glutamatergic systems

EMILIANI Valentina
Wavefront-engineering microscopy

FAURE Philippe
Neurophysiology and Behavior

FLEISCHMANN Alexander
Neural Circuits and Behaviors

FORTIN Gilles
Hindbrain Integrative Neurobiology

LAROCHE Serge
Cellular and Molecular Mechanisms of Plasticity and Memory

LLEDO Pierre-Marie
Perception and Memory

LUQUET Serge
Central COntrol oF Feeding behaviour and Energy Expenditure

MALLET Luc
Behavior, Emotion and Basal Ganglia

MAMELI Manuel
Synapses in the pathophysiology of reward

PICAUD Serge
Retinal information processing : pharmacology and pathologies

PREAT Thomas
Genes and Dynamics of Memory Systems

RONDI-REIG Laure
Cerebellum, Navigation and Memory

ROUACH Nathalie
Neuroglial Interactions and Cerebral Physiopathology

SHULZ Daniel
Neural Processing, Neuromodulation and sensory plasticity

SUMBRE German
Zebrafish neuroethology

VENANCE Laurent
Dynamic and Pathophysiology of Neuronal Networks

VIDAILHET MARIE
LEHERICY Stéphane
Normal and abnormal motor control

ZUGARO Michael
Spatial memory and navigation

ZYTNICKI Daniel
Spinal physiology and pathophysiology

Neuropharma Cell signaling

BIRMAN Serge
Genes Circuits Rhythms and Neuropathology

CABOCHE Jocelyne
VANHOUTTE Peter
Neuronal signaling and gene regulation

DECLEVES Xavier
Pathophysiology and therapeutic targets of the blood-brain barrier

GASNIER Bruno
Membrane Transport

GIAUME Christian
Junctional communication and neuro-glio-vascular interactions

GIRAULT Jean-Antoine
HERVE Denis
Neurotransmission and signaling

LENKEI Zsolt
Neuronal structure and dynamics

MAROTEAUX Luc
Serotonin signaling in plasticity and disease

MARTY Alain
Gabaergic synapses in the cerebellum

MASKOS Uwe
Integrative Neurobiology of Cholinergic Systems

PONCER Jean Christophe
LEVI Sabine
Plasticity in Cortical Networks and Epilepsy

TRONCHE Francois
Gene Regulation and Adaptive Behaviors

VINCENT Pierre
Cellular Integration of Neuromodulatory Processes

Neurological and Psychiatric Diseases

BELLIVIER Frank
Biomarkers of relapse and therapeutic response in addictions and mood disorders

BOILLEE Séverine
ALS causes and mechanisms of motor neuron degeneration

BONVENTO Gilles
Cell-cell interactions in neurodegenerative diseases

BRICE Alexis
Molecular basis, physiopathology and treatment of neurodegenerative diseases

CHNEIWEISS Hervé
JUNIER Marie-Pierre
Glial Plasticity

DHENAIN Marc
Alzheimer's Disease and brain aging: Multimodal imaging and therapy

FONTAINE Bertrand
NICOLE Sophie
NeuroGenetics and Physiology

GROSZER Matthias
Neurodevelopmental disorders

HAIK Stéphane
POTIER Marie-Claude
Alzheimer and Prion Diseases

HIRSCH Etienne
HUNOT Stéphane
Experimental therapeutics of Parkinson Disease

KREBS Marie-Odile
JAY Thérèse
Pathophysiology of Psychiatric disorders

LANFUMEY Laurence
Pathophysiology of Mood Disorders and Addiction

LEBOYER Marion
JAMAIN Stéphane
Psychiatry Genetic

LE GUERN Eric
BAULAC Stéphanie
Genetics and physiology of inherited epilepsy

LEHERICY Stéphane
Centre for NeuroImaging Research IRM

LÉVEILLARD Thierry
Rod-derived Cone Viability Signaling for the Treatment of Inherited Retinal Degenerations

MARTINOT Jean-Luc
Imaging & Psychiatry

NAIT OUMESMAR Brahim
BARON VAN EVERCOOREN Anne
Cellular and Molecular Approaches for Myelin Repair

SIMONNEAU Michel
Vulnerability of Psychiatric and Addictive Disorders

Neurogenetics Neurodevelopmt

BALLY CUIF Laure
Zebrafish Neurogenetics (ZEN)

BILLUART Pierre
Genetics and physiopathology of neurodevelopmental disorders

CHEDOTAL Alain
Role of axon guidance molecules

DEL BENE Filippo
Neuronal circuit Development Group

FRANCIS Fiona
GOUTEBROZE Laurence
Cortical development and pathology

GALLI Thierry
Membrane Traffic in Health and Pathology

GAREL Sonia
Brain development and Plasticity

GASPAR Patricia
METIN Christine
Developmental mechanisms of brain disorders

JANKE Carsten
Regulation of microtubule dynamics and function

LEGENDRE Pascal
MANGIN Jean Marie
Development of the Spinal Cord Organization

LIVET Jean
Development of neuronal circuits

NICOL Xavier
Codes of intracellular signals for axon guidance

PERRON Muriel
Stem cells and Neurogenesis in the Retina

PETIT Christine
Genetics and Physiology of Hearing

PIERANI Alessandra
Genetics and Developmentof the Cerebral Cortex

PROCHIANTZ Alain
Development and Neuropharmacology

RETAUX Sylvie
Development and evolution of the forebrain (DECA)

ROUYER François
Molecular genetics of circadian rhythms

SCHNEIDER-MAUNOURY Sylvie
Morphogenesis of the vertebrate brain

SELIMI Fekrije
Mice, Molecules and Synapse formation

SHERRARD Rachel
MARIANI Jean
Brain development Repair and Aging

THOMAS Jean-Léon
ZALC Bernard
Development of oligodendrocytes and Neurovascular Interactions

VERNIER Philippe
Development and evolution of neurotransmission

WYART Claire
Lights-on Locomotion: optogenetic dissection of spinal circuits underlying locomotion in Vertebrates

23 Research Centers

114 Teams

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