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## Research Teams of GREEN

Annie ANDRIEUX

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[Team 'Cytoskeleton and physiopathologies'](#) GIN, Inserm U1216, Univ. Grenoble Alpes, (UJF). The team study cytoskeleton proteins in relation to psychiatric and cognitive disturbances in mouse models.

Isabelle ARNAL

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[Team 'Cytoskeleton Structure and Dynamics'](#) GIN, Inserm U1216, Univ. Grenoble Alpes, (UJF). The team focuses on the effect of tau protein and its AD-causing mutations on cytoskeleton structure and dynamics.

Monica BACIU

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Head of the Psychology & NeuroCognition lab (CNRS UMR 5105, Univ. Grenoble Alpes, (UPMF). The LPNC uses neuropsychology and cognitive neurosciences to study normal and pathophysiological conditions including AD and PD.

Emmanuel BARBIER

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[Team 'Functional Neuroimaging'](#) GIN, Inserm U1216 - Univ. Grenoble Alpes, (UJF). The team develops innovative techniques for image acquisition and treatment for MRI including myelin detection and cognitive impairments.

Alim-Louis BENABID

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Team LETI, Cinatec, CEA. The team focuses on the development of new innovative approaches such as Near-InfraRed stimulation for PD and brain computer interface.

François BERGER

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UMR 1205 UGA/INSERM. The Team focuses on new innovative technologies for neurodegenerative disorders including exploration of the inaccessible neurodegenerative brain and techniques to capture and analyze biomarkers.

Jean-Luc BOSSON

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Head of the TIMC-ThEMAS (Techniques for Evaluation and Modeling of Health Actions UMR CNRS 5525). The team develops educational innovative projects and health services both for patients and for professional actors.

Didier BOTURYN

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Team 'Engineering and Biomolecular Interactions' (I2BM), Department de Chimie Moléculaire, CNRS UMR5250 - Univ. Grenoble Alpes (UJF) The team develops biomolecules for therapeutic and diagnostic applications.

Ahcène BOUMENDJEL

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Team 'Medicinal Chemistry', Department de Pharmacochimie Moléculaire, CNRS 5063, Univ. Grenoble Alpes (UJF). The teams develops bio-inspired molecules for therapeutic applications.

Alain BUISSON

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[Team 'Neuropathologies and Synaptic dysfunctions'](#) GIN, Inserm U1216, Univ. Grenoble Alpes (UJF). The team focuses using electrophysiological approaches on the synapse function and memory processes in health and AD.

Olivier CASEZ

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Team "Multiple Sclerosis", Department of Psychiatry, Neurology and Rehabilitation, CHU Grenoble. The team works on diagnosis and multidisciplinary management of patients with multiple sclerosis. Research is focused on epidemiologic and therapeutic aspects of MS in relation to the MS Rhone-Alpes network.

Olivier DAVID

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[Team 'Brain stimulation and systems neuroscience'](#), GIN, Inserm U1216, Univ. Grenoble Alpes (UJF). The Team studies neuronal networks and their alteration in neurological and psychiatric conditions and how stimulation (DBS, magnetic stimulations...) can restore such networks.

Francois ESTEVE

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[Team 'Synchrotron radiation and Medical Research'](#), GIN, Inserm U1216, Univ. Grenoble Alpes (UJF). The team uses physical properties of synchrotron radiation for therapeutic and diagnostic applications such as metals in PD.

Florence FORBES

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[Team MISTIS](#), INRIA, development of algorithms and methods for image segmentation with applications in MRI.

Catherine GHEZZI

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Head of the Unit Inserm 1039 Univ. Grenoble Alpes (UJF) 'Radiopharmaceutics Bioclinic'. The Unit synthesizes and radiolabels molecules for diagnostic and therapeutic applications.

Catherine GUCHER

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Head of the [Health and Society Federative Research Structure](#), created in 2011, that brings together researchers from the Grenoble-Alpes University (12 laboratories) as well as actors from economic, political, social and health sectors. The structure aims at supporting interdisciplinary research about health problematics with social issues.

Sandrine HUMBERT

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[Team 'Neural progenitors and Brain Pathologies'](#), GIN, Inserm U1216, Univ. Grenoble Alpes (UJF). The teams focus on understanding the consequences of neurodevelopmental alterations on the pathophysiological progression of neurodegenerative diseases.

Paul KRACK

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Team 'Movement disorders', Division of Neurology, Department of Psychiatry, Neurology and Rehabilitation, CHU Grenoble, Univ. Grenoble Alpes, INSERM U1216. The team is focused on surgical treatment of movement disorders. Research areas are the impact on motor and non-motor symptoms of DBS in Parkinson's disease and dystonia.

Olivier MOREAUD

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Centre "Mémoire Ressources et Recherche", Division of Neurology, Department of Psychiatry, Neurology and Rehabilitation, CHU Grenoble. The team works on diagnosis and management of patients with cognitive issues. Research is focused on progressive aphasia and semantic dementia.

Patrice MARCHE

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Team "Analytic Immunology of Chronic Pathologies" Institut Albert Bonniot, IAB, Inserm U823, Univ. Grenoble Alpes carries out an analysis of the immune system and its digressions in chronic pathologies associated to inflammations, in particular on inflammatory diseases associated to human endogenous retrovirus such as multiple sclerosis, for which animal models are developed.

Dominique PERENNOU

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Team 'Neurological Rehabilitation', CHU de Grenoble. Department of Psychiatry, Neurology and Neurological Rehabilitation, CHU de Grenoble, Univer. Grenoble Alpes (UJF). The team focuses on rehab for balance, walking and spatial cognition on MS and PD patients.

Rémy SADOUL

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[Team 'Plasticity and Neurodegeneration'](#), GIN, Inserm U1216, Univ. Grenoble Alpes (UJF). The teams focus on understanding the role of endosomal proteins in the pathophysiological mechanisms of neurodegeneration including AD.

Frédéric SAUDOU

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[Team 'Intracellular Dynamics and Neurodegeneration'](#), GIN, Inserm U1216, Univ. Grenoble Alpes (UJF). The teams focus on understanding the role of organelles trafficking (mostly axonal transport) in relation to energetic metabolism and neuronal survival in Huntington's disease but also in AD.

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