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Our team entitled “Neurobiology of Emotions” is one of the teams of the Research Centre of Psychiatry and Neurosciences (Inserm UMR 894). The goal of this research team is to analyze the roles played by environmental and genetic factors, as well as the interactions between these components, in the etiology and treatment of psychiatric disorders such as depression, anxiety and addiction at pre clinical level.

The main objective of the team is to identify cellular and molecular mechanisms underlying these pathologies which are associated with major dysfunctions of the monoamine and HPA systems and characterized by cellular plasticity alterations of different brain areas and in particular the hippocampus. The current research is focused on i) the involvement of 5-HT in the genesis of anxiety-related disorders, ii) the role of neuroplasticity and BDNF in depressive-like and addiction disorders, and iii) the epigenetic mechanisms associated with gene regulation in rodent depression-like models and addiction. The team is using a multidisciplinary approach from molecular biology to behavioural analyses in mice.