

October 11, 2023
2 to 3 pm, Room 019
UFR Sciences de Santé
Chairman: Dr Tony Jourdan



Invited speaker: Dr Carmelo Quarta

Neurocentre Magendie
146 rue Léo Saignat 33077 Bordeaux cedex - FRANCE

Obesity and the brain: a matter of cell identity.

*The main goal of my research is to uncover the **neurobiological mechanisms** that orchestrate **food intake** and systemic energy **metabolism**, under physiological or pathological states. In particular, my work aims to achieve novel and effective **therapeutic solutions** for subjects suffering from **metabolic disorders** such as obesity and diabetes*

Selected publications:

Quarta C et al, GLP-1-mediated delivery of tesaglitazar improves obesity and glucose metabolism in male mice (2022). *Nat Metab*, 4:1071-1083

Quarta C et al, POMC neuronal heterogeneity in energy balance and beyond: an integrated view (2021). *Nat Metab*, 3:299-308

Quarta C et al, CB1 and GLP-1 Receptors Cross Talk Provides New Therapies for Obesity (2021). *Diabetes*, 70:415-422

Quarta C et al, Functional identity of hypothalamic melanocortin neurons depends on Tbx3 (2019). *Nat Metab*, 1:222-235

Quarta C et al, Molecular Integration of Incretin and Glucocorticoid Action Reverses Immunometabolic Dysfunction and Obesity (2017). *Cell Metab*, 26:620-632