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, 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