

MANCHESTER NEUROSCIENCE SEMINAR SERIES

FROM INSTITUT D'INVESTIGACIONS BIOMÈDIQUES AUGUST PI I SUNYER & SCHOOL OF MEDICINE, UNIVERSITAT DE BARCELONA, BARCELONA, SPAIN

DR MARC CLARET

Hosted by Dr Giuseppe D'Agostino from Division of Diabetes, Endocrinology & Gastroenterology

GLYCOGEN METABOLISM DRIVES THE SENSORY ACTIVATION OF POMC

NEURONS

Adequate energy management and metabolic control are vital for maintaining health and sustaining life. Hypothalamic proopiomelanocortin (POMC) neurons play a key role in modulating systemic energy balance and glucose homeostasis by means of sensing nutritional state signals. In addition to this classic regulatory mode, these neurons are also activated by the sensory perception of food, thus challenging longstanding assumptions regarding the homeostatic functions and regulatory mechanisms of this neuronal population. In this seminar, I will present our recent work investigating the mechanisms and biological purposes of sensory detection of food by POMC neurons in the context of feeding behaviour and metabolic control.

APRIL • 19TH • 2023 2.00pm - 3.00pm

HYBRID DELIVERY

Michael Smith Lecture Theatre and online

https://zoom.us/j/96686482982

Meeting ID: 966 8648 2982

EVERYONE WELCOME