

Psychiatry and Neuroscience Seminar Series 2025



Pr Giuseppe GANGAROSSA

(Host H Rebholz)

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Putting the dopaminoceptive thalamus in the big picture of feeding and energy balance

Friday, January 10th, 2025, noon

Room D Levy, 102-108 rue de la santé - 75014 Paris

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Professor of Neurobiology of Homeostasis at the Université Paris Cité, I am working in the team Central COntrol of Feeding behaviour and Energy Expenditure (C2OFFEE) to leverage the power of modern molecular genetic tools in integrated approaches in order to dissect in vivo the physiological, cellular and molecular basis by which the dialogue between the brain and peripheral organs result in adaptive regulation of the various parameters of energy balance notably in its rewarding, motivational and sensory components, metabolic efficiency, allostatic response. Both homeostatic and reward circuits intimately collaborate in gating adaptive responses to changes in nutrients availability and are, directly and indirectly, controlled by extrinsic signals (sensory cues, including odors), cognitive factors (stress, environmental cues and stimuli), intrinsic factors including circulating energy-related signals (hormones, nutrient) and afferent nervous inputs from the periphery (gut-brain vagal axis).

Recent paper: *Molecular Psychiatry* (2024) 29:1478–1490; <https://doi.org/10.1038/s41380-024-02427-6>

Keywords:

**Animal model, Body metabolism, Energy homeostasis,
Feeding, Reward**

Stay tuned