

Psychiatry and Neuroscience Seminar Series 2021



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(Host N Ramoz/P Gorwood)

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Feeding behavior in preclinical models of obesity

Friday March 5th, 2021, noon

VISIOCONFERENCE R0445, 102-108 rue de la santé - 75014 Paris

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Our researches are centered on the study of the effect of nutrients, mainly lipids (triglycerides, free fatty acids, lipoproteins) on the nervous control of carbohydrate and energy homeostasis in physiological and pathophysiological situations. More specifically we are studying: 1) how the central nervous system (CNS) continuously receives and integrates peripheral signals informing it of the energy status of an organism (fasting, fed, etc.). The signals we are studying are circulating (leptin, ghrelin, insulin, nutrients) or nerve (vagal afferents). 2) how metabolic flows (production and utilization of glucose, lipolysis), endocrine secretions (insulin, leptin, ghrelin, GLP1) and eating behavior adapt according to this information. The aim is to characterize at the molecular, cellular and integrated level: 1) peripheral signals informing the CNS; 2) the functioning of CNS neurons specializing in the integration of this information and located in specific regions (hypothalamus, brainstem, hippocampus, olfactory bulb); 3) The repercussions of this integration on the peripheral parameters mentioned above (metabolic flows, food behavior, energy expenditure, etc.). These studies are performed in normal, diabetic and / or obese mouse models.

Diabetes

Insulin Resistance

Neurobiology and Brain Physiology

Physiology

Nutrition

Exercise Physiology

Metabolism

Glucose Metabolism

Lipid Metabolism

Metabolic Diseases

ZOOM Meeting ID: 878 7340 0200 / Passcode: 224466

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