



SAVE THE DATE

Professor Philippe FROGUEL is inviting you to participate
to the **EGID** seminar

on **Monday Octobre 22nd 2018 at 2.30pm**
Amphi D Pole Recherche aile ouest 1^e etage



Given by **Prof. Christophe MAGNAN**

Professor of physiology, University Paris Diderot & research group leader at
UMR CNRS 8251/Paris Diderot

University Denis Diderot, Sorbonne Paris Cité – Paris, France

Role of Brain Lipoprotein Lipase in Regulation of Energy Balance

The nervous system finely regulates our eating behavior and energy fluxes thus helping to keep the energy balance in equilibrium. Many nutritional signals (hormones, nutrients) inform the brain of the metabolic state. Lipids and more particularly lipoproteins and triglycerides could participate in this regulation via cerebral lipoprotein lipase (LPL) which could serve as a "nutritional sensor" and direct the metabolic flow towards storage or use. LPL is indeed expressed in several key regions of the brain participating in the control of the energy balance. This presentation will highlight the role of brain LPL in these mechanisms