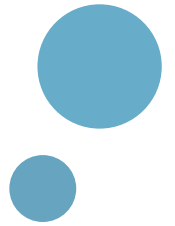


# Seminar

アドバンス生命理学特論

Topics in Advanced Biological Science

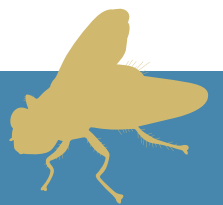


## HOW NUTRIENTS, NEURONAL CIRCUITS, AND GUT BACTERIA SHAPE NUTRITIONAL DECISIONS

**Carlos Ribeiro, PhD**

Champalimaud Centre for the Unknown, Lisbon, Portugal

Nutritional decisions are key determinants of health, wellbeing and aging. We want to understand how animals decide what to eat and how these decisions affect the fitness of the animal. To achieve a mechanistic, integrated, whole-animal understanding of nutritional decision-making we work at the interface of behavior, metabolism, microbiome, and physiology in the adult *Drosophila melanogaster*. I will discuss how the powerful combination of neurogenetics, automated, quantitative behavioral analyses, nutritional and microbial manipulations, and activity imaging approaches is allowing us to achieve a mechanistic understanding of how neuronal circuits control nutrient specific appetites to regulate important traits such as aging and reproduction.



11月21日(火) 13:30-15:00

理学部E館1階 E131室

E131 Room, 1st Floor, Science E Building

お問い合わせ先: YOU Young-Jai(6346)