

**CTM U1231 SCIENTIFIC SEMINAR**

October 6, 2025

1 to 2 pm, room R46, UFR des Sciences de Santé

Chairman: Pr Pascal Degrace

**Invited speaker: Dr Isabelle DUGAIL**  
**NutriOmics lab, UMRS 1269**  
**Paris, France**



**Mitochondrial transfer as a novel player in metabolic diseases**

Serum lipidome analyses revealed increased circulating concentrations of phosphatidylglycerol species in obese patients, associated with the loss of bacterial diversity in the gut microbiota (dysbiosis) and chronic inflammation. Since these phospholipids are exclusively localized in mitochondria, our aim is to deepen our understanding of the link between these circulating markers and the mitochondrial dysfunction that characterizes these metabolic diseases.