

EGID SEMINAR

April 26th, 2024 from 11.00 am to 12.00 pm




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Adipose tissue expandability, lipotoxicity and the metabolic syndrome

Obesity is a chronic inflammatory disease associated with cardiometabolic comorbidities (CMC) such as diabetes, insulin resistance, fatty liver and heart failure. Given the difficulty in treating obesity, there is enormous interest in *uncoupling excessive fat mass from cardiometabolic morbidities*. A unique insight is the genetic and clinical evidence that some obese patients **do not** develop cardiovascular comorbidities, indicating that excessive fat mass is not a necessary “*sentence*” for metabolic disease. Metabolic resilience in obesity can be rationalised by the *adipose tissue (AT) expandability hypothesis* and the concept of *lipotoxicity* we have pioneered. In my presentation, I will address the mechanism determinant of adipose tissue expandability, focusing on the role of adipose tissue fibrosis and metabolic flexibility.

 UFR3S - Pôle recherche -Amphithéâtre A
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