



## **Adipose lipid and lipolysis, more than storage: intracellular and inter-organ players**

### **Conférence du Dr Pierre-Damien Denechaud**

*CR INSERM*

*Institut des Maladies Métaboliques et Cardiovasculaires, I2MC*

*Inserm/UPS UMR 1297 Toulouse*

<https://orcid.org/0000-0003-3502-4814>

Chercheur invité par **Matthieu Raoux** (CBMN)

**Mercredi 21 Mai 2025 à 10h**

**Amphithéâtre de l'IECB, 2 rue Robert Escarpit 33600 Pessac**

I obtained my PhD from the University of Paris 7 in 2009. I did my thesis on the hepatic glucose sensor 'ChREBP' under the supervision of Dr Catherine Postic at the Institut Cochin. I then joined the laboratory of Prof. Reuben Shaw at the Salk Institute (CA, USA) and then that of Prof. Lluís Fajas at the Institute of Molecular Genetics in Montpellier (France) and then at the Department of Physiology at the University of Lausanne (Switzerland). These 2 laboratories are internationally recognised for their work and expertise in metabolism and cancer. In 2018, I joined Prof. Dominique Langin's laboratory at the I2MC in Toulouse, where I am developing my research. I am interested in inter-organ dialogue in the context of type 2 diabetes and obesity, and in particular the role and importance of adipocyte lipolysis in this metabolic coordination. We have demonstrated the importance of lipolysis in controlling thermogenesis in brown adipose tissue, and are developing projects showing the crucial role of adipose tissue-liver and adipose tissue-pancreas dialogue via adipocyte lipolysis.