

CTM U1231 SCIENTIFIC SEMINAR

May 05, 2025

1 to 2 pm, UFR des Sciences de Santé, amphi Martin

Chairman: Dr Tony JOURDAN

Invited speaker:
Pr Philippe Froguel
CHU de Lille, et Imperial College London



Precision Metabolic Medicine: new insight and hopes

Type 2 diabetes and obesity are multifactorial systemic conditions associated with serious co-morbidities. They both have a strong genetic and epigenetic basis that have been in part elucidated by both Genome Wide Association Studies (for the polygenic background) and by genome sequencing (for rare variants causing monogenic and oligogenic metabolic diseases). Taking into account the genomic information does not only improve our knowledge of the pathophysiology but also opens avenues towards more personalized diabetes care.

Key words: Diabetes, obesity, genomics, DNA sequencing

Pr. Philippe Froguel is a renowned scientist and academic, recognized globally for his contributions to the field of genetics, particularly in the study of diabetes and obesity. He has been instrumental in advancing our understanding of the genetic underpinnings of metabolic disorders. His research career spans several decades, during which he has made significant breakthroughs in identifying genetic variants associated with type 2 diabetes and obesity. His work has been pivotal in elucidating the complex interplay between genes and environmental factors that contribute to these conditions.

He has authored over 800 high-impact publications and his leadership in the field is further underscored by his involvement in various professional organizations and collaborative research initiatives.