

ATLAS

&

Functional Genomics & Metabolism

Joint Distinguished Seminar

Thursday, September 5, 10:15-11:15 AM
BMB Seminar room (V18-501-1)

“Single cell omics to characterize the tumor micro environment”



Group Leader Josh Waterfall

Translational Research Department and INSERM U830, Institute Curie, Paris, France

Host: Assoc. Prof. Lars Grøntved

Abstract

The immune contexture of solid tumors has significant prognostic and therapeutic relevance in the clinic and is essential for development of novel immunotherapeutic approaches. High resolution definition of these cell types has historically been limited by multiple technological challenges. We will present the use of droplet microfluidic single cell approaches in clinical patient samples to characterize the cellular heterogeneity of the infiltrating immune populations and understand the gene regulatory processes driving their differentiation and plasticity.