



Webinar CyTOF group France

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Live-Cell Barcoding with Anti-CD45 Antibodies for Mass Cytometry

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Zoom link : <https://univ-amu-fr.zoom.us/j/87588252730?pwd=ek5ZQytnSEd6Q21ZM3FvZ3Bka3lQZz09>

Abstract

Live-cell CD45-barcoding involves staining immune cell samples with unique combinations of anti-CD45 antibodies as sample identifiers. This enables the pooling of samples in order to handle them as a single cell sample for cell staining and acquisition. It improves the workflow, enhances data consistency and reduces reagent use.

During this webinar, we will discuss all the steps involved in an experiment with live-cell CD45-barcoding, from panel design to data analysis. Firstly, during panel design, it is important to ensure that CD45 staining does not interfere with the detection of markers of interest in other channels. Next, several adjustments need to be made to the staining and acquisition procedures. Finally, FCS files obtained from barcoded cell samples are debarcoded to assign each cell event to its original sample.