



Seminar

Advanced functional assays with FACS-compatible droplet microfluidics

Join Volkan Besirlioglu, Field Application Scientist at Samplix, for an exclusive seminar on **Xdrop®**, a breakthrough platform for single-cell functional analysis.

With Xdrop, single cells or cell pairs are encapsulated in **FACS-compatible droplets**. These tiny, gas-permeable vessels enable the analysis of cellular functionalities simultaneously at the single-cell level. Our **cytotoxicity**, **cytokine secretion**, and **granzyme B secretion** assays provide in-depth insights into the mechanisms of cell killing.

When: September 29th, 11:30-12:30

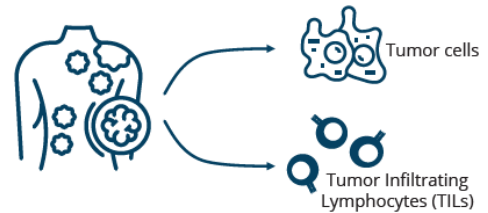
Where: Zentrum für Translationale Zellforschung (ZTZ)
Seminarraum EG Fenster
Breisacher Str. 115
Universitätsklinikum Freiburg
79106 Freiburg



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Droplet flow cytometry workflow with Xdrop

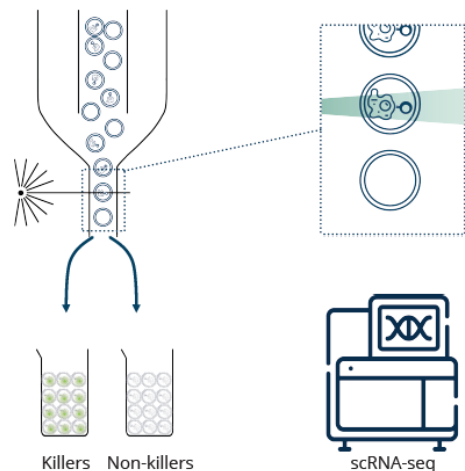
- 1 Cells were isolated and expanded from solid tumor



- 2 Single-cell pairs were encapsulated in droplets with Xdrop



- 3 Droplets were sorted using a SONY MA900 sorter



- 4 Sorted TILs were sequenced using 10x Genomics platform