

Mass Cytometry Selected Publications

Bodenmiller, B., et al. **Multiplexed mass cytometry profiling of cellular states perturbed by small-molecule regulators.** Nat Biotechnol. Aug 19, 2012. DOI 10.1038/nbt.2317.

Behbehani, G.K., et al. **Single-cell mass cytometry adapted to measurements of the cell cycle.** Cytometry A 81 (7): 552-566, 2012.

Feinberg, H.G., et al. **A platinum-based covalent viability reagent for single-cell mass cytometry.** Cytometry A 81 (6): 467-475, 2012.

Newell, E.W., et al. **Cytometry by time-of-flight shows combinatorial cytokine expression and virus-specific cell niches within a continuum of CD8+ T cell phenotypes.** Immunity 36 (1): 142-152, 2012.

Bendall, S.C., et al. **A deep profiler's guide to cytometry.** Trends Immunol 33 (7): 323-332, 2012.

Bendall, S.C., et al. **From single cells to deep phenotypes in cancer.** Nat Biotechnol 30 (7): 639-647, 2012.

Wang, L., et al. **Human CD4(+) lymphocytes for antigen quantification: Characterization using conventional flow cytometry and mass cytometry.** Cytometry A 81 (7): 567-575, 2012.

Bendall, S.C., et al. **Single-cell mass cytometry of differential immune and drug responses across a human hematopoietic continuum.** Science 332 (6030): 687-696, 2011.

Qiu, P., et al. **Extracting a cellular hierarchy from high-dimensional cytometry data with SPADE.** Nat Biotechnol 29 (10): 886-891, 2011.

Leipold, M.D., et al. **Development of mass cytometry methods for bacterial discrimination.** Anal Biochem 419 (1): 1-8, 2011.

Abdelrahman, A.I., et al. **Metal-Containing Polystyrene Beads as Standards for Mass Cytometry.** J Anal At Spectrom 25 (3): 260-268, 2010.

Ornatsky, O., et al. **Highly multiparametric analysis by mass cytometry.** J Immunol Methods 361 (1-2): 1-20, 2010.

Bandura, D.R., et al. **Mass cytometry: technique for real time single cell multi-target immunoassay based on inductively coupled plasma time-of-flight mass spectrometry.** Anal Chem 81 (16): 6813-6822, 2009.

Tanner, S.D., et al. **Flow cytometer with mass spectrometer detection for massively multiplexed single-cell biomarker assay**. Pure Appl. Chem. 80 (12): 2627-2641, 2008.

Ornatsky, O.I., et al. **Study of cell antigens and intracellular DNA by identification of element-containing labels and metal intercalators using inductively coupled plasma mass spectrometry**. Anal Chem 80 (7): 2539-2547, 2008.

Commentary

Benoist, C., et al. **Immunology. Flow cytometry, amped up**. Science 332 (6030): 677-678, 2011.

Doerr, A. **A flow cytometry revolution**. Nat Methods 8 (7): 531, 2011.

Janes, M.R., et al. **Next-generation flow cytometry**. Nat Biotechnol 29 (7): 602-604, 2011.