

Bibliography of peer-reviewed references for Imaging Mass Cytometry

March 2018

This bibliography contains the peer-reviewed publications featuring imaging mass cytometry. Browse through these articles by category online to see how the Hyperion Imaging System empowers researchers to make breakthrough discoveries at fluidigm.com/publications/hyperion-imaging-system.

2018

- 1 Catena, R. et al. "Ruthenium counterstaining for Imaging Mass Cytometry." *J Pathol.* (2018): doi: 10.1002/path.5049.
- 2 Schulz, D. et al. "Simultaneous multiplexed imaging of mRNA and proteins with subcellular resolution in Breast Cancer Tissue Samples by Mass Cytometry." *Cell Systems* 6 (2018): 1-12.
- 3 Gerdtsson, E. et al. "Multiplex protein detection on circulating tumor cells from liquid biopsies using imaging mass cytometry" *Converg. Sci. Phys. Oncol.* 4 (2018): 015002
- 4 Malihi, P. et al. "Clonal diversity revealed by morphoproteomic and copy number profiles of single prostate cancer cells at diagnosis." *Converg. Sci. Phys. Oncol.* 4 (2018): 015003.
- 5 Brahler, S., et al. "Opposing roles of dendritic cell subsets in experimental GN." *J Am Soc Nephrol* 29 (2018): 138-154.

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- 1 Mavropoulous, A. et al. Simultaneous detection of protein and mRNA in Jurkat and KG-1a cells by mass cytometry." *Cytometry A* 91 (2017): 1200-1208.
- 2 Schapiro, D. et al. histoCAT: analysis of cell phenotypes and interactions in multiplex image cytometry data." *Nature Methods* (2017): 873–6.

- 3 Chang, Q. et al. "Staining of frozen and formalin-fixed, paraffin-embedded tissues with metal-labeled antibodies for Imaging Mass Cytometry analysis." *Current Protocols in Cytometry* (2017): 12.47.1–12.47.8.
- 4 Straus, R.N. et al. "Analytical figures of merit for a novel tissue imaging system." *Journal of Analytical Atomic Spectrometry* (2017): 1,044–51.
- 5 Chang, Q., et al. "Imaging Mass Cytometry." *Cytometry Part A* (2017): 160–9

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- 1 Chang, Q. et al. "Biodistribution of cisplatin revealed by imaging mass cytometry identifies extensive collagen binding in tumor and normal tissues." *Scientific Reports* (2016): 36,641.

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