

Imaging Mass Cytometry Publications

October 2018

This bibliography contains references to 18 peer-reviewed publications featuring Imaging Mass Cytometry™ through September 2018. You can also browse through these articles by category online at fluidigm.com/publications/hyperion-imaging-system.

2018

- 1 Allo, B. et al. "Clickable and high sensitivity metal-containing tags for mass cytometry." *Bioconjugate Chemistry* 29 (2018): 2,028–2,038.
- 2 Brahler, S., et al. "Opposing roles of dendritic cell subsets in experimental GN." *Journal of the American Society of Nephrology* 29 (2018): 138–154.
- 3 Catena, R. et al. "Ruthenium counterstaining for Imaging Mass Cytometry™." *The Journal of Pathology* 244 (2018): 479–484.
- 4 Chevrier, S. et al. "Compensation of signal spillover in suspension and Imaging Mass Cytometry™." *Cell Systems* 6 (2018): 612–620.
- 5 Gerdtsen, E. et al. "Multiplex protein detection on circulating tumor cells from liquid biopsies using Imaging Mass Cytometry™." *Convergent Science Physical Oncology* 4 (2018): 015002.
- 6 Malihi, P.D. et al. "Clonal diversity revealed by morphoproteomic and copy number profiles of single prostate cancer cells at diagnosis." *Convergent Science Physical Oncology* 4 (2018): 015003.
- 7 Raj, D. et al. "Switchable CAR-T cells mediate remission in metastatic pancreatic ductal adenocarcinoma." *Gut* 0 (2018): 1–13.
- 8 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): 25–36.
- 9 Zhao, Y. et al. "Spatiotemporal segregation of human marginal zone and memory B cell populations in lymphoid tissue." *Nature Communications* 9 (2018): 3857.

2017

- 1 Chang, Q., et al. "Imaging Mass Cytometry™." *Cytometry Part A* 91 (2017): 160–169.
- 2 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* 82 (2017): 12.47.1–12.47.8.

2016

- 3 Mavropoulos, A. et al. “Simultaneous detection of protein and mRNA in Jurkat and KG-1a cells by mass cytometry.” *Cytometry Part A* 91 (2017): 1,200–1,208.
- 4 Schapiro, D. et al. “histoCAT™: analysis of cell phenotypes and interactions in multiplex image cytometry data.” *Nature Methods* 14 (2017): 873–876.
- 5 Straus, R.N. et al. “Analytical figures of merit for a novel tissue imaging system.” *Journal of Analytical Atomic Spectrometry* 32 (2017): 1,044–1,051.

2016

- 1 Chang, Q. et al. “Biodistribution of cisplatin revealed by Imaging Mass Cytometry™ identifies extensive collagen binding in tumor and normal tissues.” *Scientific Reports* 6 (2016): 36,641.
- 2 Edgar, L.J. et al. “Isotopologous organotellurium probes reveal dynamic hypoxia *in vivo* with cellular resolution.” *Angewandte Chemie International Edition* 55 (2016): 13,159–13,163.

2015

- 1 Schüffler, P.J. et al. “Automatic single cell segmentation on highly multiplexed tissue images.” *Cytometry Part A* 87 (2015): 936–942.

2014

- 1 Giesen, C. et al. “Highly multiplexed imaging of tumor tissues with subcellular resolution by mass cytometry.” *Nature Methods* 11 (2014): 417–422.

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