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“3D Biology - Simultaneous quantification of proteins, SNVs and gene expression in one experiment”

11 April 2017, 11:00 (s.t.)

Venue: IMB Seminar Room, 2nd Floor
Institute of Molecular Biology (IMB)
Johannes Gutenberg University Campus Mainz

All are welcome to attend.

Abstract:

3D Biology - Simultaneous quantification of proteins, SNVs and gene expression in one experiment

Quantify proteins, SNVs and gene expression in one experiment with nCounter® Vantage 3D™ Assays. You may track RNA and protein expression of key surface receptors, lineage markers, and regulatory molecules to monitor shifts in cell type abundance and activation status, or measure RNA and intracellular protein levels of cytokines, chemoattractants, and transcription factors for the earliest indications of cell-cell communication and immune differentiation. Lastly, profile mutational status and quantify protein and gene expression in one experiment with nCounter® Vantage 3D™ DNA, RNA, and Protein Solid Tumor panels. Here you can monitor 104 actionable and high-frequency SNV and INDELS in FFPE, fresh/frozen tissues, and cells; and profile key cancer pathway targets at both the RNA (up to 770), total protein (up to 30), and phospho-protein level (up to 27), including targets associated with PI3K, MAPK, EGFR, and more in your solid tumor tissue and cell lysates.