What if you could add spatial insights to your single cell research?

INTRODUCING

CosMx™ Spatial Molecular Imager

The first in situ spatial imaging platform that provides high-plex multiomics (protein and RNA) at cellular and subcellular resolution for most sample types including FFPE, fresh frozen, organoids, and fixed cultured cells.

It is a flexible spatial single-cell solution driving deeper insights into cell atlasing, cell-cell interaction, cellular processes, and biomarker discovery.

Features

- Highest plex, multiomic capability and high resolution: 1000-plex RNA and 108-plex protein analysis at subcellular resolution
- Tunable throughput: Analyze 2-20 slides/week
- Any sample: Works with FFPE, fresh frozen, tissue microarray and organoid samples
- Integrated data analysis

What can CosMx be used for?

- Cell atlasing (discover and map cell types)
- Cell-cell interactions, including ligand-receptor analysis
- Phenotyping of tissue microenvironment (neighborhood analysis)
- Single cell biomarker discovery
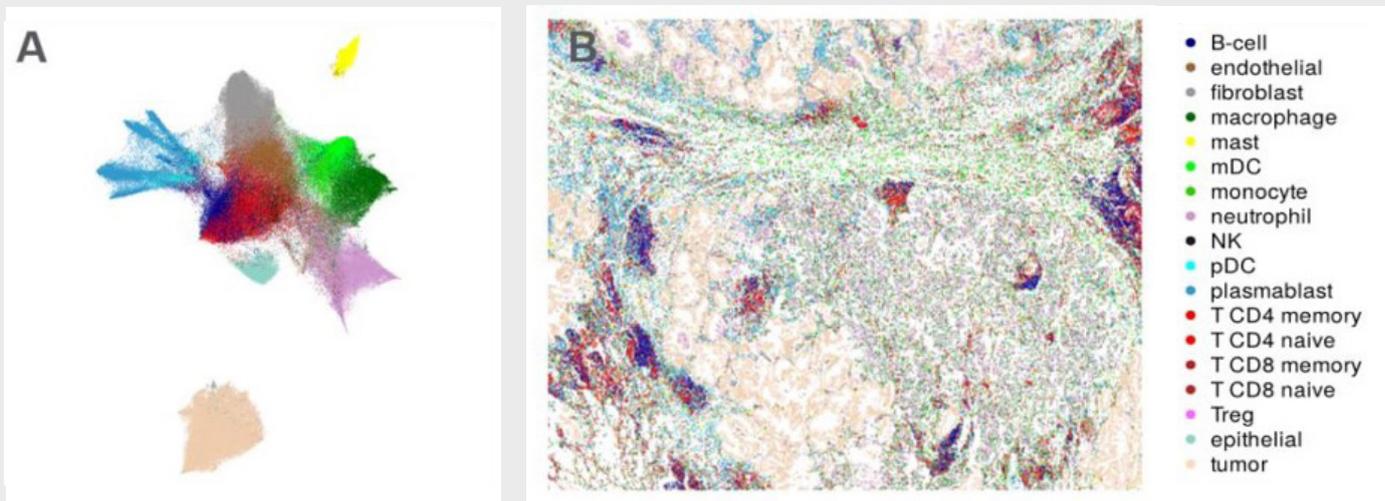
Mapping cell types on tissue. The map displays 135,707 cells from **non-small cell lung cancer** across a ~20 mm2 tissue section. Color denotes cell type. (A) UMAP projection. (B) CosMx spatially resolved cell-type map.

Access CosMx™ SMI FFPE Dataset

We have generated an open-source dataset on non-small-cell lung cancer (NSCLC) tissue which represents the largest single-cell and subcellular analysis on Formalin-Fixed Paraffin-Embedded (FFPE) samples to date and highlights the power of spatial molecular imaging. CosMx SMI combines superior sensitivity, robust cell identification and a broad target panel to enable researchers to explore the cell atlas, cell-cell interactions and phenotypes of the tissue microenvironment.

Access the data here

FOR RESEARCH USE ONLY. Not for use in diagnostic procedures.

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