Resource Summary Report

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NanoString: CosMx Spatial Molecular Imager

RRID:SCR_023909
Type: Tool

Proper Citation

NanoString: CosMx Spatial Molecular Imager (RRID:SCR_023909)

Resource Information

URL: https://nanostring.com/products/cosmx-spatial-molecular-imager/

Proper Citation: NanoString: CosMx Spatial Molecular Imager (RRID:SCR_023909)

Description: Integrated system with mature cyclic fluorescent in situ hybridization chemistry, resolution imaging readout, interactive data analysis and visualization software. Analysis platform to provide spatial multiomics with formalin-fixed paraffin-embedded and fresh frozen tissue samples at cellular and subcellular resolution. CosMx SMI enables rapid quantification and visualization of up to 1,000 RNA and 64 validated protein analytes. Spatial single-cell imaging platform that drives deeper insights for cell atlasing, tissue phenotyping, cell-cell interactions, cellular processes, and biomarker discovery.

Synonyms: CosMx Spatial Molecular Imager, NanoString CosMx Spatial Molecular Imager

Resource Type: instrument resource

Keywords: Spatial single-cell imaging platform, nanoString, spatial molecular imager, molecular imager, formalin-fixed paraffin-embedded samples, fresh frozen tissue samples, cellular and subcellular resolution,

Availability: Restricted

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_023909.pdf

Resource Name: NanoString: CosMx Spatial Molecular Imager

Resource ID: SCR_023909

Record Creation Time: 20230803T050219+0000

Record Last Update: 20260829T182831+0000

Ratings and Alerts

No rating or validation information has been found for NanoString: CosMx Spatial Molecular Imager.

No alerts have been found for NanoString: CosMx Spatial Molecular Imager.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Liu Y, et al. (2026) Spatially resolved single-cell landscape of tumor immunotypes reveals the central role of interferon signaling and plasmacytoid dendritic cells in triple-negative breast cancer. Journal for immunotherapy of cancer, 14(6).

Chen D, et al. (2026) Spatially Resolved Multiomics Reveals Metabolic Remodeling and Autophagy Activation in Adamantinomatous Craniopharyngiomas. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e16965.

Campbell KM, et al. (2026) Cellular neighborhoods govern antitumor T-cell infiltration following anti-CTLA-4 in melanoma with primary resistance to anti-PD-1. Cancer discovery.

Reck M, et al. (2025) Multiomic analysis of human kidney disease identifies a tractable inflammatory and pro-fibrotic tubular cell phenotype. Nature communications, 16(1), 4745.

Tan MJT, et al. (2025) The data scientist as a mainstay of the tumor board: global implications and opportunities for the global south. Frontiers in digital health, 7, 1535018.

Lewis MJ, et al. (2025) Deep molecular profiling of synovial biopsies in the STRAP trial identifies signatures predictive of treatment response to biologic therapies in rheumatoid arthritis. Nature communications, 16(1), 5374.

Damle SR, et al. (2025) Intratumoral three-cell-type clusters are a conserved feature of endogenous antitumor immunity. Cancer immunology research.

Gregory RC, et al. (2025) In Situ Proinflammatory Effects of Dazostinag Alone or with Chemotherapy on the Tumor Microenvironment of Patients with Head and Neck Squamous Cell Carcinoma. Cancer research communications, 5(7), 1243.

Adang LA, et al. (2024) IFN-signaling gene expression as a diagnostic biomarker for monogenic interferonopathies. JCI insight, 9(14).

Smith KD, et al. (2024) Rigor and Reproducibility of Digital Spatial Profiling on Clinically Sourced Human Tissues. bioRxiv : the preprint server for biology.

Lin Y, et al. (2024) Optimization of FFPE preparation and identification of gene attributes associated with RNA degradation. NAR genomics and bioinformatics, 6(1), lqae008.

Wang H, et al. (2023) Systematic benchmarking of imaging spatial transcriptomics platforms in FFPE tissues. bioRxiv : the preprint server for biology.

Albert V, et al. (2022) Protein kinase C targeting of luminal (T-47D), luminal/HER2-positive (BT474), and triple negative (HCC1806) breast cancer cells in-vitro with AEB071 (Sotrastaurin) is efficient but mediated by subtype specific molecular effects. Archives of gynecology and obstetrics, 306(4), 1197.

Fleck AK, et al. (2021) Dietary conjugated linoleic acid links reduced intestinal inflammation to amelioration of CNS autoimmunity. Brain : a journal of neurology, 144(4), 1152.

Milon B, et al. (2021) A cell-type-specific atlas of the inner ear transcriptional response to acoustic trauma. Cell reports, 36(13), 109758.

Cheng Y, et al. (2020) Reconstruction of Immune Microenvironment and Signaling Pathways in Endometrioid Endometrial Adenocarcinoma During Formation of Lymphovascular Space Involvement and Lymph Node Metastasis. Frontiers in oncology, 10, 595082.

Horv??th A, et al. (2020) Case Report on: Very Early Afterdepolarizations in HiPSC-Cardiomyocytes-An Artifact by Big Conductance Calcium Activated Potassium Current (Ibk,Ca). Cells, 9(1).

Matarlo JS, et al. (2019) The Natural Product Butylcycloheptyl Prodiginine Binds Pre-miR-21, Inhibits Dicer-Mediated Processing of Pre-miR-21, and Blocks Cellular Proliferation. Cell chemical biology, 26(8), 1133.