

# **Global Spatial OMICS Market Size study & Forecast, by Technology (Spatial Proteomics, Spatial Transcriptomics, Spatial Genomics), by Product (Instruments, Consumables, Software), by Workflow (Sample Preparation, Instrument Analysis, Data Analysis), by End-use, and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Spatial OMICS Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% during the forecast period 2023-2030. Spatial OMICS, also known as spatial omics or spatial transcriptomics, refers to a set of technologies and methodologies that enable the analysis of biomolecules (such as DNA, RNA, proteins, and metabolites) within their spatial context in tissues or cells. Traditional omics techniques often involve the bulk analysis of biomolecules from a homogenized sample, which might overlook spatial heterogeneity within tissues. The market growth is driven by key factors such as the rising prevalence of genetic illnesses, increased financing for OMICS research, and increased usage in drug research and development.

The demand for spatial OMICS is projected to escalate, driven by its expanding utilization in pharmaceutical research and development, along with its promising role as a diagnostic tool for cancer. For instance, in June 2023, Owkin Inc. invested USD 50 million and partnered with NanoString Technologies, Inc., collaborating with research teams from various European and American institutions and other entities to leverage this technology in pioneering cancer research works. Furthermore, as per Statista, based on a 2020 survey, the majority (58%) of respondents in Switzerland expressed opposition to genetic modifications aimed at preventing hereditary diseases. Similarly,

over half of the participants in Serbia, France, Austria, Finland, and Germany exhibited skepticism toward this approach. Conversely, the least resistance was observed in Spain. However, slow implementation of technology and well-established workflows for conventional OMICS analysis stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Spatial OMICS Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominates the global Spatial OMICS Market due to several factors. These include the increasing prevalence of cancer, rising investments in healthcare, the presence of advanced hospital facilities, and the widespread adoption of diagnostic techniques. Meanwhile, the Asia Pacific region is projected fastest Compound Annual Growth Rate (CAGR) in the Forecast Period. This growth is attributed to the escalating biological research and development activities, with numerous companies entering into agreements to enhance regional growth prospects.

Major market player included in this report are:

Millennium Science Pty Ltd.

10x Genomics

Dovetail Genomics (Cantata Bio.)

S2 Genomics, Inc.

Seven Bridges Genomics

PerkinElmer, Inc.

Bio-Techne

Danaher Corporation

Ionpath, Inc.

Akoya Biosciences, Inc.

Recent Developments in the Market:

*Global Spatial OMICS Market Size study & Forecast, by Technology (Spatial Proteomics, Spatial Transcriptomics,...*

In December 2023, PerkinElmer successfully finalized the acquisition of Covaris, a renowned leader in developing cutting-edge solutions driving advancements in life sciences. This strategic merger aimed to accelerate Covaris' growth prospects while expanding PerkinElmer's presence in the rapidly evolving diagnostics market.

In November 2023, 10x Genomics and OWKIN forged a collaboration to integrate 10x Genomics' single-cell technologies and spatial OMICS into the MOSAIC project, enhancing its capabilities for transformative research endeavors.

In September 2023, Bruker announced significant progress in instrumental methodologies, software innovations, and consumables for 4D-Proteomics, 4D-Lipidomics, MALDI HiPLEX-IHC spatial tissue proteomics, and 4D-Metabolomics, underscoring its commitment to advancing scientific discovery.

In April 2023, Canopy Biosciences, a subsidiary of Bruker, entered into a partnership with Enable Medicine to introduce sophisticated spatial analysis pipelines, further enriching research methodologies and insights.

#### Global Spatial OMICS Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Technology, Product, Workflow, End-use, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional &

## segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

### By Technology:

Spatial Proteomics

Spatial Transcriptomic

Spatial Genomics

### By Product:

Instruments

Consumables

Software

### By Workflow:

Sample Preparation

Instrument Analysis

Data Analysis

### By End-use:

Academic & Translational Research Institutes

Pharmaceutical and Biotechnology Companies

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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