

Spatial Genomics & Transcriptomics Market to Reach US\$ 2,399.32 Million, Globally, by 2034 at 17.4% CAGR

The growing drug detection and advancement globally is a prominent factor driving the spatial genomics & transcriptomics market.

NEW YORK CITY, NY, UNITED STATES, December 11, 2024 /EINPresswire.com/ -- The [spatial genomics & transcriptomics market](#) forecast for 2034 is a

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The perspective permits researchers to envision and assess gene venture undisturbed, improving the comprehension of tissue heterogeneity and cellular interplay.”

Polaris Market Research

specialized study of the industry with a specific concentration on the global market trend analysis.

The spatial genomics & transcriptomics market is augmenting. The market is approximated to reach USD 2,399.32 million by 2034. It was valued at USD 483.64 million in 2024. It exhibited a CAGR of 17.4% from 2025 to 2034.

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Genomics studies the genome overall. Transcriptomics investigates how DNA is formulated as proteins and other molecules. Epigenomics explores how the genome is altered, such as the DNA sequence does not alter, but the creature's visible features do. For instance, elephants' genomes portray varied epigenomic tempering as they mature, permitting approximates of an elephant's discrete age, albeit its DNA sequence stays similar throughout their life.

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Relevant gene formulation is essential for sustaining the physiology and biological operations. For instance, the endocrine system is capable of reacting to the indication from the nervous system through the hypothalamus and causing alterations in gene formulations that finally bring about control of several physiological procedures. Spatial transcriptomics amalgamates the

conventional transcriptomic scrutiny with spatial details sanctioning the depiction of gene formulation at a single cell resolution, impacting the spatial genomics & transcriptomics market growth favorably.

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- 10X Genomics
- Akoya Biosciences, Inc.
- Bio-Rad Laboratories
- Bio-Techne Corporation
- BioSpyder Technologies Inc.
- Cantata Bio
- Danaher Corporation
- Genomic Vision SA
- Illumina

are some of the leading players in the spatial genomics & transcriptomics market. Spearheading market

contenders are funding massively in research and development so as to augment their offerings which would help the market to grow even more.

Some of the latest developments in the market are:

- In May 2024, 10x Genomics initiated “Protein Expression Assay & Visium CytAssist Gene” commercially to improve the possibility of Visium CytAssist spatial analysis.
- In May 2024, Akoya Biosciences, a spatial biology organization, shook hands with NeraCare to generate melanoma tests targeting outline skin cancer assays.

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□□□□□□□ □□□□□□ □□ □□□□□□□: The growing existence of cancer is encouraging the market. As per the World Health Organization (WHO), over 35 million contemporary cancer cases are forecast in 2050, a 77% surge from the approximated 20 million cases in 2022. Cancer is excessively

The graphic features a background of blue-toned tissue sections with multi-colored fluorescent spots. At the top left, it reads "POLARIS MARKET RESEARCH". To the right of this, in large bold letters, is "Spatial Genomics & Transcriptomics Market". At the bottom center, there is a circular icon containing a bar chart with an upward arrow. Below the icon, a white box contains the text "US\$ 2,399.32 MN" in bold, with "Revenue Forecast in 2034" written in smaller text underneath. At the bottom of the graphic, the title "Spatial Genomics & Transcriptomics Market" is repeated.

diversified, indicating that even within a solitary tumor, there can be a broad gamut of cell types with varied genetic and phenotypic features. This, in turn, is having a favorable impact on spatial genomics & transcriptomics market sales.

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□□□□□ □□□□□□□□: North America accounted for the largest spatial genomics & transcriptomics market share. The region's robust growth is primarily due to notable funding in research and development, a progressive healthcare framework, and a robust concentration on individualized medicine.

□□□□ □□□□□□□□: Asia Pacific is anticipated to witness significant growth from 2025 to 2034. This can be attributed to nations such as China and India speedily progressing their potential in genomics and transcriptomics, reinforced by sizeable government enterprises targeted at improving healthcare and biotechnology.

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By Technique Outlook

- Spatial Genomics
 - o Immunohistochemistry (IHC)
 - o In Situ Hybridization
 - o Sequencing Techniques
 - o Microscopy-based RNA imaging
 - o Other Spatial Genomics Techniques
- Spatial Transcriptomics
 - o Immunohistochemistry (IHC)
 - o In Situ Hybridization
 - o Sequencing Techniques
 - o Other Spatial Transcriptomics Techniques

By Product Outlook

- Instruments
- Consumables
- Software

By Application Outlook

- Translational Research
- Drug Discovery and Development

By End User Outlook

- Academic Research Institutes
- Contract Research Organizations
- Pharmaceutical and Biotechnology Companies

By Region Outlook

- North America
 - o US
 - o Canada
- Europe
 - o Germany
 - o France
 - o UK
 - o Italy
 - o Spain
 - o Netherlands
 - o Russia
 - o Rest of Europe
- Asia Pacific
 - o China
 - o Japan
 - o India
 - o Malaysia
 - o South Korea
 - o Indonesia
 - o Australia
 - o Rest of Asia Pacific
- Middle East & Africa
 - o Saudi Arabia
 - o UAE
 - o Israel
 - o South Africa
 - o Rest of the Middle East & Africa
- Latin America
 - o Mexico

- o Brazil
- o Argentina
- o Rest of Latin America

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How much is the spatial genomics & transcriptomics market?

The market size was valued at USD 483.64 million in 2024 and is projected to grow to USD 2,399.32 million by 2034.

What is the growth rate of the spatial genomics & transcriptomics market?

The global market registers a CAGR of 17.4% during the forecast period.

Which region held the largest market share?

North America had the largest share of the global market in 2024.

Which technique is expected to grow with a significant CAGR in the market?

The spatial genomics segment is projected for significant growth in the global market.

Browse PMR's Spatial Genomics & Transcriptomics Market Report Coverage from Different Publications:

[Spatial Genomics & Transcriptomics Industry](#) Expected to Reach USD 2,399.32 Million by 2034, Growing at a CAGR of 17.4%

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Likhil G

Polaris Market Research and Consulting

+1 929-297-9727

sales@polarismarketresearch.com

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