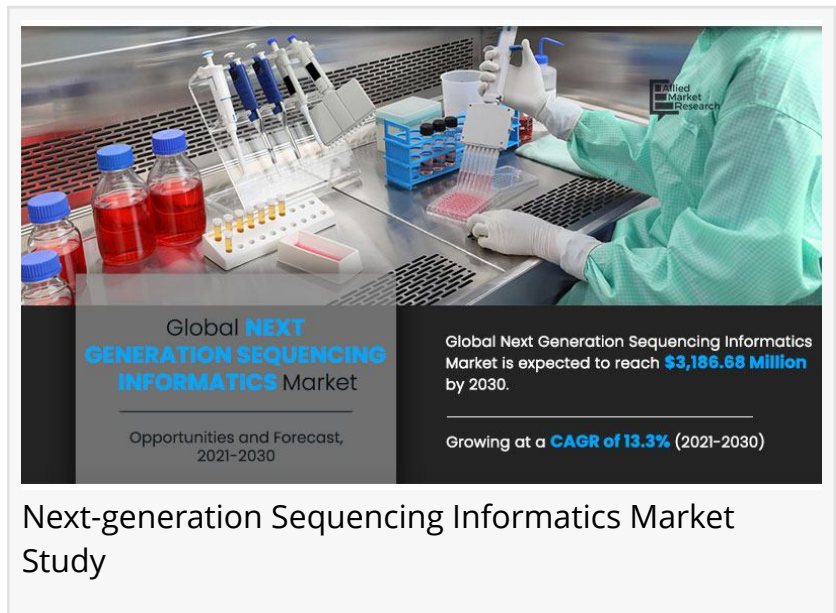


# Next-generation Sequencing Informatics Market: Integrating Big Data & Bioinformatics for Precision Medicine | CAGR 13.3%

*Next-generation Sequencing Informatics market is projected to reach \$3,186.69 million by 2030, registering a CAGR of 13.30% from 2021 to 2030.*

PORTLAND, OR, UNITED STATE, July 16, 2024 /EINPresswire.com/ -- Introducing "Global [Next-generation Sequencing Informatics Market: Insights and Projections 2023-2032](#)," the latest research endeavor from Allied Market Research. This comprehensive report not only assesses market risks but also spotlights promising opportunities, all underpinned by strategic and tactical decision-making support for the period spanning 2023 to 2032. The market study meticulously segments the analysis by key regions that are driving the process of marketization. Within this report, a wealth of information awaits, covering market research and development, the driving forces behind growth, and the evolving investment framework within the Global Next-generation Sequencing Informatics Market. Furthermore, the study offers detailed profiles of key industry players, featuring Illumina, Thermo Fischer Scientific, Agilent Technologies, F. Hoffmann-La Roche, Qiagen, DNANexus, Intrexon Bioinformatics Germany, Partek, Fabric Genomics, and Sapio Sciences.



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Next-generation Sequencing Informatics Market Statistics: The global Next-generation Sequencing Informatics market is projected to reach \$3,186.69 million by 2030, registering a CAGR of 13.30% from 2021 to 2030.

## Next-generation Sequencing Informatics Market Growth Drivers:

**Advancements in NGS Technology:** Continuous improvements in sequencing technologies, including higher accuracy, faster processing, and reduced costs, are expanding the applications and adoption of NGS.

**Rising Demand for Personalized Medicine:** The growing emphasis on personalized and precision medicine, which relies on genomic information to tailor treatments to individual patients, is significantly driving the NGS informatics market.

**Increased Research in Genomics:** A surge in genomic research and the need to analyze large volumes of sequencing data are boosting the demand for advanced informatics solutions.

**Expanding Applications:** The widening applications of NGS in various fields, such as oncology, reproductive health, infectious disease diagnostics, and pharmacogenomics, are fueling market growth.

**Integration with Clinical Workflows:** The integration of NGS data into clinical workflows for diagnostics and therapeutic decision-making is increasing the need for robust informatics platforms.

**Big Data and Bioinformatics:** The explosion of big data in genomics and the need for sophisticated bioinformatics tools to manage, analyze, and interpret these data sets are driving the market.

**Collaboration and Partnerships:** Strategic collaborations and partnerships among technology providers, research institutions, and healthcare organizations are accelerating advancements in NGS informatics.

**Technological Innovations:** Continuous innovations in computational tools, machine learning algorithms, and artificial intelligence for analyzing NGS data are enhancing the capabilities and efficiency of NGS informatics.

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The segments and sub-section of Next-generation Sequencing Informatics market is shown below:

By Product: Data Analysis & Management Tools, NGS Informatics Services, and Primary and

## Secondary Data Analysis Tools

By Application: Drug Discovery, Diagnostics, Biomarker Discovery, Precision Medicine, and Agriculture & Animal Research

By End User: Hospitals and Clinics, Academic and Research Centers, Pharmaceutical Companies, and Other End Users

Some of the key players involved in the Market are: Illumina, Thermo Fischer Scientific, Agilent Technologies, F. Hoffmann-La Roche, Qiagen, DNANexus, Intrexon Bioinformatics Germany, Partek, Fabric Genomics, Sapio Sciences.

Important years considered in the Next-generation Sequencing Informatics study:  
Historical year – 2017-2022; Base year – 2023; Forecast period\*\* – 2022 to 2032 [\*\* unless otherwise stated]

If opting for the Global version of Next-generation Sequencing Informatics Market; then below country analysis would be included:

- North America (USA, Canada and Mexico)
- Europe (Germany, France, the United Kingdom, Netherlands, Italy, Nordic Nations, Spain, Switzerland and Rest of Europe)
- Asia-Pacific (China, Japan, Australia, New Zealand, South Korea, India, Southeast Asia and Rest of APAC)
- South America (Brazil, Argentina, Chile, Colombia, Rest of countries etc.)
- Middle East and Africa (Saudi Arabia, United Arab Emirates, Israel, Egypt, Turkey, Nigeria, South Africa, Rest of MEA)

Key Questions Answered with this Study:

- 1) What makes Next-generation Sequencing Informatics Market feasible for long term investment?
- 2) How influencing factors driving the demand of Next-generation Sequencing Informatics in next few years?
- 3) Territory that may see steep rise in CAGR & Y-O-Y growth?
- 4) What geographic region would have better demand for product/services?
- 5) What opportunity emerging territory would offer to established and new entrants in Next-generation Sequencing Informatics market?
- 6) What strategies of big players help them acquire share in mature market?
- 7) Know value chain areas where players can create value?
- 8) What is the impact analysis of various factors in the Global Next-generation Sequencing

Informatics market growth?

9) Risk side analysis connected with service providers?

Introduction about Next-generation Sequencing Informatics Market

Next-generation Sequencing Informatics Market Size (Sales) Market Share by Type (Product Category)

Next-generation Sequencing Informatics Market by Application/End Users

Next-generation Sequencing Informatics Sales (Volume) and Market Share Comparison by Applications

Global Next-generation Sequencing Informatics Sales and Growth Rate (2022-2032)

Next-generation Sequencing Informatics Competition by Players/Suppliers, Region, Type, and Application

Next-generation Sequencing Informatics (Volume, Value, and Sales Price) table defined for each geographic region defined.

Next-generation Sequencing Informatics Players/Suppliers Profiles and Sales Data

Key Raw Materials Analysis & Price Trends

Supply Chain, Sourcing Strategy and Downstream Buyers, Industrial Chain Analysis

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