

# Global Genomics Market Outlook: 2015-2020

<https://marketpublishers.com/r/G606BDC6675EN.html>

Date: February 2016

Pages: 337

Price: US\$ 4,175.00 (Single User License)

ID: G606BDC6675EN

## Abstracts

Genomics is a discipline which analyzes the function and structure of genomes. It uses various sampling, sequencing, and data analysis and interpretation techniques to decode, assemble, and analyze genomes. The knowledge of complete set of DNA helps to identify certain genetic diseases, develop best course of treatment, and contribute to precision medicine.

With the significant decrease in the sequencing costs and rising investments in the pharmaceutical industry, the global genomics market is forecast to grow at a CAGR of 15.1% to be worth \$19,938.6 million by 2020. This growth is further driven by the technological innovations in bioinformatics, increasing clinical capabilities, and more clinically relevant sequencing timescales. However, need of significant clinical investment, lack of funding in the emerging markets, rising consolidation mainly in the instruments market, and ethical and legal challenges will act as a constraint to industry growth during the forecast period.

The global genomics market is segmented by methods, technology, instruments, consumables, services, and geography. The genomics industry is still at a nascent stage with many untapped markets present across the globe. However, the sequencing method is relatively at a mature stage, especially, in the developed markets. As, the scale of genomes data grows, the data analysis and interpretation market is expected to grow at a significant rate in the near future. Next-generation DNA sequencing (NGS) technology has transformed biomedical research, making genome and RNA sequencing an affordable and commonly used tool for a wide variety of research applications. As a result, the market has been stressed to manage the enormous data output from this process. Therefore, the complexity and sheer amount of data generated by NGS has led to a need for genomic centers to form bioinformatics teams in order to analyze the output data.

North America is the major market in the global genomics market and is expected to dominate this market during the forecast period, with the U.S. contributing a major share, followed by Europe, and Asia-Pacific. On the other hand, the Asian market, especially India and China, is expected to witness a boost in demand for genomics market during the forecast period, as a result of their economic development, increasing genetic research and development activities, drastically reduced mass scale genetic testing costs, and the growing focus of the major players in this region.

The key players in the global genomics market are Affymetrix, Inc., Agilent Technologies, BGI (Beijing Genomics Institute), Illumina, Inc., Thermo Fisher Scientific, Inc., Bio-Rad Laboratories, Inc., Cepheid, GE Healthcare, Qiagen N.V, Roche Holding AG, Pacific Biosciences of California, Inc., Oxford Nanopore Technologies Ltd., Beckman Coulter Genomics, Inc., Perkin Elmer, Inc., DNASTAR, Inc, Genomatix Software GmbH, and GenoLogics Life Sciences Software, Inc.,

The global genomics market is segmented by methods, technology, instruments, consumables, services, and geography:

#### Genomics Methods/Stages

Sampling,

Sequencing,

Analysis,

Interpretation

Application

#### Genomics Technology

PCR

Sequencing

Microarray

## Nucleic acid Extraction & Purification

### Genomics Instruments

PCR

NGS Platforms

DNA Microarrays

Nucleic acid Extraction and Purification Systems

DNA Sequencers

Others

### NGS Platforms

Illumina

Thermo

Roche

Pacific Biosciences

### Genomics Consumables

PCR

DNA Sequencing

Nucleic acid extraction and purification systems

Genechips

Microarrays

Others

Genomics Services

Laboratory Services

Software

Genomics Market, By Geography

North America

U.S.

Canada

Europe

U.K.

Germany

France

Italy

Spain

Rest of Europe

Asia-Pacific

Japan

China

India

Rest of Asia-Pacific

Rest of the World

Latin America

Middle East and Africa

#### Key questions answered in the report-

Which are the high growth market segments in terms of genomics instruments, methods, consumables, services, regions, and countries?

What is the historical market for genomics across the globe?

What are the market forecasts and estimates from the period 2015-2020?

What are the major drivers, restrains, threats, and opportunities in the global genomics market?

What are the burning issues of the global genomics market?

Who are the major players in the global genomics market and What share of the market do they hold?

Who are the major players in various regions (North America, APAC, Europe) and What share of the market do they hold?

What are the competitive landscapes and Who are the market leaders by sub-region in the global genomics market?

What are the recent developments in the global genomics market?

What are the different strategies adopted by the major players in the global genomics market?

What are the geographical trends and high growth regions?

Source: Expert Interviews, Government Authorities, Related associations/Institutes, Related Research Publications, Government Publications, Company Press Releases, Company Annual Reports, Company Websites, Company Publications, SEC Filings, Meticulous Research Analysis.

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