Global Genomics Market Outlook: 2015-2020

Description: 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 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
  -- 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, restraints, 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?
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