Genomics Market by Product (Instruments, Consumables), Technology (Sequencing, PCR, Microarray), Application (Diagnostics, Personalized Medicine), Process (Library Preparation, Sequencing & Imaging), End User - Trends & Global Forecasts to 2020

Description: The growth of the overall market can be contributed to increasing investments, grants, and funds by the government; increasing research in the field of genomics; increasing number of start-up companies; and increasing application of genomic sequencing in the diagnostics. However, the high cost of genomic sequencing instruments/systems is likely to restrain the growth of the market during the forecast period.

In the coming years, the market is expected to witness the highest growth rate in the North American which can be attributed to the enactment of Personalized Medicine Initiative in 2015. The new healthcare initiative will increase the adaptation of genomics in personalized medicine and provide better treatment to the patients.

The report segments the market based on product, technology, process, end user, and application. The various product segments of the genomics market include instruments/systems, consumables, and services. The consumables segment is expected to account for the largest share of the genomics market in 2015. This is attributed to factors such repeated usage of consumables for the genomic experiments, increasing research programs by academic institutes and non-profit organizations.

The market by technology is segmented into PCR, nucleic acid extraction & purification, microarray technology, sequencing, branched DNA (bDNA) technology, and flowcytometry, among others. Based on the various application areas of genomics, the report segments the market into diagnostics, drug discovery & development, personalized medicine, and agriculture & animal research, among others. The market by process is segmented into the library preparation, sequencing & imaging, and data analysis.

Based on the end users the genomics market is segmented into research centers, academic institutes, & government institutes; hospitals & clinics; and pharmaceutical & biotechnology companies, among others. The research centers, academic institutes, and government institutes segment accounted for the largest share of the market, by end user, in 2015. This largest share is attributed to the increasing research initiatives and projects in the area of genomics worldwide.

Some major players in the global genomics market include Illumina, Inc. (U.S.), Affymetrix, Inc. (U.S.), Agilent Technologies, Inc. (U.S.), BGI (China), Thermo Fisher Scientific, Inc. (U.S.), Bio Rad Laboratories, Inc. (U.S.), Cepheid, Inc. (U.S.), GE Healthcare (U.K.), QIAGEN N.V. (Netherlands), and Roche Diagnostics (Switzerland).

Stakeholders of the Genomics Market

Genomics Instruments/Systems Manufacturing Companies
Suppliers and Distributors of Genomic instruments/systems and consumables
Hospitals, Diagnostic Centers, and Medical Colleges
Research Institutes
Teaching Hospitals and Academic Medical Centers (AMCs)
Government Bodies/Municipal Corporations
Business Research
Venture Capitalists
Pharmaceutical and biopharmaceutical companies

Scope of the Report:

This research report categorizes the genomics market into the following segments:

Global Genomics Market, by Product
- Instruments/Systems
- Consumables
Global Genomics Market, by Technology
- Sequencing
- Microarray technology
- PCR
- Nucleic acid extraction and purification
- Other Applications

Global Genomics Market, by Process
- Library Preparation
- Sequencing and Imaging
- Data Analysis

Global Genomics Market, by Application
- Diagnostics
- Drug Discovery and Development
- Personalized Medicine
- Agriculture and Animal Research
- Other Applications

Global Genomics Market, by End User
- Research Centers, Academic Institutes, and Government Institutes
- Hospitals and Clinics
- Pharmaceutical and Biotechnology Companies
- Other End Users

Global Genomics Market, by Region
- North America
  -- U.S.
  -- Canada
- Europe
  -- Germany
  -- U.K.
  -- Rest of Europe (RoE)
- Asia-Pacific
  -- Japan
  -- China
  -- India
  -- Rest of Asia-Pacific (RoAPAC)
- Rest of the World (RoW)
  -- Latin America
  -- Middle East and Africa

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