RNA Analysis/Transcriptomics Market by Technology, by Application, by End-User - Global Forecast to 2019

Description: RNA Analysis/Transcriptomics Market by Technology (Microarray, PCR, NGS, RNAi), by Application (Clinical Diagnostics, Drug Discovery, Toxicogenomics), by End-User (Academic Research, Pharmaceutical and Biotech Companies) - Global Forecast to 2019

The global transcriptomics market is expected to grow at a CAGR of 13.7% during the forecast period of 2014 to 2019 and is estimated to be worth $3,773.0 million by 2019. The transcriptomics market has blatantly grown in the past few years primarily due to the increasing technological advancements in the field of sequencing technologies in transcriptomics research. Similarly, the increasing government and private funding for research coupled with research and development investments by the biotechnology companies are expected to drive the transcriptomics market. The increasing adoption of transcriptomics in the field of biomarker discovery opens new growth avenues with the rising preference of personalized medicine across the globe. However, the higher investment costs that restrict the adoption of transcriptomics products and dearth of skilled professionals are the factors hampering the growth of this market to a certain extent.

The transcriptomics market report covers the transcriptomic technologies, applications and end-users. The technologies market in this report is segmented as microarray, PCR, sequencing technologies which include Sanger sequencing and NGS, and RNAi gene silencing technology. Each of these technologies market is further sub-segmented into reagents, instruments and software. The applications of transcriptomics covered under the scope of this report are clinical diagnostics, drug discovery, and toxicogenomics. The end-users of transcriptomics are pharmaceutical and biotechnology companies, academic research and government institutes, and hospitals and diagnostic centers. This report also discusses the key market drivers, restraints, opportunities, challenges, and trends in the global transcriptomics market and its submarkets.

By 2019, North America will continue to dominate and drive the transcriptomics market, primarily due to the rising preference for personalized medicines which use biomarkers developed with the transcriptomic technologies. On the other hand, the market in Asia-Pacific region is expected to grow at a highest CAGR during the forecast period mainly due to the growing pharmaceutical and biotech industries in China and India. The reduction in funding for research and development coupled with decrease in the investment in research by the pharmaceutical and biotechnology companies in the European region as a means of cost containment is expected to hamper the growth of transcriptomics market in Europe.

The prominent players in the global transcriptomics market are Affymetrix Inc. (U.S.), Agilent Technologies Inc. (U.S.), Bio-Rad Laboratories Inc. (U.S.), GE Healthcare (U.S.), Illumina Inc. (U.S.), Qiagen N.V. (Germany), F. Hoffmann-La Roche Ltd. (Switzerland), Sigma Aldrich (U.S.), Fluidigm Corporation (U.S.), and Thermofisher Scientific Inc. (U.S.).

Reasons to Buy the Report

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn would help the firms to garner a greater market share. Firms purchasing this report could use any one or a combination of the below mentioned five strategies (market penetration, product development/innovation, market development, market diversification, and competitive assessment) for reaping a greater market share.

This report provides insights on the following pointers:
- Market Penetration: Comprehensive information on product portfolios offered by the top players in the transcriptomics market. The report analyzes the transcriptomics market by technology, application, end-user and geography covering North America, Europe, APAC, and RoW
- Product Development/Innovation: Detailed insights on the upcoming trends, research and development activities, and new product launches in the transcriptomics market
- Market Development: Comprehensive information on the lucrative emerging markets for transcriptomics market by technology, application, and end-user by product types
- Market Diversification: Exhaustive information of new products, growing regions, recent developments,
and investments in the transcriptomics
- Competitive Assessment: In-depth assessment of market shares, growth strategies, products, manufacturing capabilities, and SWOT analyses of the leading players in the transcriptomics market

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