

Bioinformatics Market by Technology & Services (Knowledge Management Tools, Bioinformatics Platforms, and Bioinformatics Services), Application (Metabolomics, Molecular Phylogenetics, Transcriptomics, Proteomics, Chemoinformatics, Genomics, and Others), and Sector (Medical Bioinformatics, Animal Bioinformatics, Agriculture Bioinformatics, Academics, and Others): Global Opportunity Analysis and Industry Forecast, 2020–2027

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Abstracts

The global bioinformatics market generated \$8,614.29 million in 2019, and is projected to reach \$24,731.61 million by 2027, growing at a CAGR of 13.4% from 2020 to 2027.

Bioinformatics is the combination of information technology, statistics, molecular biology, and algorithms to analyze the data obtained from various experiments. It includes collecting biological data, preparation of a computational model, solving computational modeling problems, and evaluation of computational algorithm.

Bioinformatics uses computation to extract knowledge from biological data, which can be used in drug discovery and developments.

The global bioinformatics market is expected to register substantial growth in the near future, owing to rise in need for integrated data and increase in applications of proteomics & genomics. In addition, drug discovery & development is expected to boost the market growth during the forecast period. However, lack of skilled personnel and

common data formats is projected to hamper the market growth during the forecast period. Conversely, increase in need for integrated solutions & systems is expected to offer lucrative opportunities for market players.

The global bioinformatics market is segmented based on technology & services, application, sector, and region. By technology, the market is categorized into knowledge management tools, bioinformatics platforms, and bioinformatics services. Based on application, it is classified into metabolomics, molecular phylogenetics, transcriptomics, proteomics, chemoinformatics, genomics, and others. Depending on sector, it is segregated into medical bioinformatics, animal bioinformatics, agriculture bioinformatics, academics, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

KEY BENEFITS FOR STAKEHOLDERS

This report provides a detailed quantitative analysis of the current market trends and future estimations from 2020 to 2027, which assists to identify the prevailing market opportunities.

An in-depth analysis of various regions is anticipated to provide a detailed understanding of the current trends to enable stakeholders to formulate region-specific plans.

A comprehensive analysis of the factors that drive and restrain the growth of the global bioinformatics market is provided.

KEY MARKET SEGMENTS

By Technology & Services

Knowledge Management Tools

Generalized Knowledge Management Tools

Specialized Knowledge Management Tools

Bioinformatics Platforms

Sequence Analysis Platforms

Sequence Alignment Platforms

Sequence Manipulation Platforms

Structural Analysis Platforms

Others

Bioinformatics Services

Sequencing Services

Database Management

Data Analysis

Others

By Application

Metabolomics

Molecular Phylogenetics

Transcriptomics

Proteomics

Chemoinformatics

Genomics

Others

By Sector

Medical Bioinformatics

Animal Bioinformatics

Agriculture Bioinformatics

Academics

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia-Pacific

Australia

Japan

India

China

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

KEY MARKET PLAYERS

Agilent Technologies, Inc.

Biomax Informatics AG

DNAnexus, Inc.

Genedata AG

Intrexon Bioinformatics Germany GmbH

Illumina Inc.

Perkinelmer Inc.

Qiagen N.V.

Seven Bridges Genomics Inc.

Thermo Fisher Scientific, Inc.

The other players in the value chain include (profiles not included in the report):

Geneva Bioinformatics (Genebio)

Dassault Systems

Eurofins Scientific

Bruker Daltonics Inc.

Accelrys, Inc.

Affymetrix, Inc.

SA Nonlinear Dynamics

Quest Diagnostics, Inc., and among others

List of Company Profiles

The report provides a comprehensive analysis of the key players operating in the global bioinformatics industry, namely, Agilent Technologies, Inc., Biomax Informatics AG, DNAnexus, Inc., Genedata AG, Intrexon Bioinformatics Germany GmbH, Illumina Inc., Perkinelmer Inc., Qiagen N.V., Seven Bridges Genomics Inc., and Thermo Fisher Scientific, Inc. The other players in the value chain include Geneva Bioinformatics (Genebio), Dassault Systems, Eurofins Scientific, Bruker Daltonics Inc., Accelrys, Inc., Affymetrix, Inc., SA Nonlinear Dynamics, and Quest Diagnostics, Inc.

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