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Drug Discovery Informatics - Global Market Outlook (2020-2028)

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Abstracts

According to Stratistics MRC, the Global Drug Discovery Informatics market is accounted for $2.24 billion in 2020 and is expected to reach $5.27 billion by 2028 growing at a CAGR of 11.3% during the forecast period. Rising research & development (R&D) expenditure, growing support for research, especially in the area of rare diseases, and the increasing use of informatics in drug discovery are the major factors driving the market growth. However, the scarcity of skilled professionals is restraining the market growth.

Drug Discovery Informatics enables users to address large volume of data storage & management and further processing & analyzing the obtained results. Drug discovery informatics platforms utilize bioinformatics algorithms for processing life science data and uses various in silico models for analyzing the data obtained.

Based on function, the sequencing and target data analysis segment is estimated to have a lucrative growth due to increased application for sequencing analysis for the new drug entity and ease of handling of information from different domains and sources. By geography, North America is going to have high growth during forecast period due to the large share in the global market can be attributed to the presence of well-established contract research organization (CROs), rising R&D expenditure by pharmaceutical and biopharmaceutical companies.

Some of the key players profiled in the Drug Discovery Informatics Market include Albany Molecular Research Inc., Certara, L.P., Charles River, Selvita, Collaborative Drug Discovery, Inc, Dassault Syst?mes, GVK Biosciences Private Limited, IBM Corporation, Infosys Limited, Insilico Medicine, IO Informatics, Inc., Jubilant Life Sciences Ltd., OpenEye Scientific Software, PerkinElmer Inc., Schr?dinger, LLC and

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Thermo Fisher Scientific.

Types Covered:

In-House

Outsourced

Solutions Covered:

Software

Services

Functions Covered:

Clinical Trial Data Management

Docking

Library & Database Preparation

Molecular Modelling

Screening & Absorption, Distribution, Metabolism, Excretion and Toxicity (ADMET) Characterization

Sequencing and Target Data Analysis

Informatics Workflows Covered:

Discovery Informatics

Development Informatics

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Modalities Covered:

- Cloud Based Systems
- In Campus Platform

Applications Covered:

- Drug Discovery
- Drug Development

End Users Covered:

- Academic Institutes
- Biotechnology Companies
- Contract Research Organization (CROs)
- Government Organizations
- Hospital
- Pharmaceutical Companies
- University

Regions Covered:

- North America
  - US
  - Canada

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- Mexico

Europe

- Germany
- UK
- Italy
- France
- Spain
- Rest of Europe

Asia Pacific

- Japan
- China
- India
- Australia
- New Zealand
- South Korea
- Rest of Asia Pacific

South America

- Argentina
- Brazil
- Chile

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Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

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- Competitive Benchmarking
  - Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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