

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

<https://marketpublishers.com/r/D063400320AEN.html>

Date: June 2021

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: D063400320AEN

Abstracts

According to Statistics 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 Systèmes, GVK Biosciences Private Limited, IBM Corporation, Infosys Limited, Insilico Medicine, IO Informatics, Inc., Jubilant Life Sciences Ltd., OpenEye Scientific Software, PerkinElmer Inc., Schrödinger, LLC and

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

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

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

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025, and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

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

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 End User Analysis
- 3.8 Emerging Markets
- 3.9 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL DRUG DISCOVERY INFORMATICS MARKET, BY TYPE

- 5.1 Introduction
- 5.2 In-House
- 5.3 Outsourced

6 GLOBAL DRUG DISCOVERY INFORMATICS MARKET, BY SOLUTION

- 6.1 Introduction
- 6.2 Software
- 6.3 Services

7 GLOBAL DRUG DISCOVERY INFORMATICS MARKET, BY FUNCTION

- 7.1 Introduction
- 7.2 Clinical Trial Data Management
- 7.3 Docking
- 7.4 Library & Database Preparation
- 7.5 Molecular Modelling
- 7.6 Screening & Absorption, Distribution, Metabolism, Excretion and Toxicity (ADMET) Characterization
- 7.7 Sequencing and Target Data Analysis

8 GLOBAL DRUG DISCOVERY INFORMATICS MARKET, BY INFORMATICS WORKFLOW

- 8.1 Introduction
- 8.2 Discovery Informatics
 - 8.2.1 Identification, Validation, & Assay Development Informatics
 - 8.2.2 Lead Generation & Validation
- 8.3 Development informatics
 - 8.3.1 Lead Optimization
 - 8.3.2 First Human Dose (FHD) Preparation
 - 8.3.3 Phase IA Informatics
 - 8.3.4 Phase IB/2 Informatics

9 GLOBAL DRUG DISCOVERY INFORMATICS MARKET, BY MODALITY

- 9.1 Introduction

9.2 Cloud Based Systems

9.3 In Campus Platform

10 GLOBAL DRUG DISCOVERY INFORMATICS MARKET, BY APPLICATION

10.1 Introduction

10.2 Drug Discovery

10.2.1 Preclinical Testing

10.2.2 Clinical Trials

10.3 Drug Development

11 GLOBAL DRUG DISCOVERY INFORMATICS MARKET, BY END USER

11.1 Introduction

11.2 Academic Institutes

11.3 Biotechnology Companies

11.4 Contract Research Organization (CROs)

11.5 Government Organizations

11.6 Hospital

11.7 Pharmaceutical Companies

11.8 University

12 GLOBAL DRUG DISCOVERY INFORMATICS MARKET, BY GEOGRAPHY

12.1 Introduction

12.2 North America

12.2.1 US

12.2.2 Canada

12.2.3 Mexico

12.3 Europe

12.3.1 Germany

12.3.2 UK

12.3.3 Italy

12.3.4 France

12.3.5 Spain

12.3.6 Rest of Europe

12.4 Asia Pacific

12.4.1 Japan

12.4.2 China

- 12.4.3 India
- 12.4.4 Australia
- 12.4.5 New Zealand
- 12.4.6 South Korea
- 12.4.7 Rest of Asia Pacific
- 12.5 South America
 - 12.5.1 Argentina
 - 12.5.2 Brazil
 - 12.5.3 Chile
 - 12.5.4 Rest of South America
- 12.6 Middle East & Africa
 - 12.6.1 Saudi Arabia
 - 12.6.2 UAE
 - 12.6.3 Qatar
 - 12.6.4 South Africa
 - 12.6.5 Rest of Middle East & Africa

13 KEY DEVELOPMENTS

- 13.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 13.2 Acquisitions & Mergers
- 13.3 New Product Launch
- 13.4 Expansions
- 13.5 Other Key Strategies

14 COMPANY PROFILING

- 14.1 Albany Molecular Research Inc.
- 14.2 Certara, L.P.
- 14.3 Charles River, Selvita
- 14.4 Collaborative Drug Discovery, Inc
- 14.5 Dassault Syst?mes
- 14.6 GVK Biosciences Private Limited
- 14.7 IBM Corporation
- 14.8 Infosys Limited
- 14.9 Insilico Medicine
- 14.10 IO Informatics, Inc.
- 14.11 Jubilant Life Sciences Ltd.
- 14.12 OpenEye Scientific Software

14.13 PerkinElmer Inc.

14.14 Schrödinger, LLC

14.15 Thermo Fisher Scientific

List Of Tables

LIST OF TABLES

Table 1 Global Drug Discovery Informatics Market Outlook, By Region (2019-2028) (US \$MN)

Table 2 Global Drug Discovery Informatics Market Outlook, By Type (2019-2028) (US \$MN)

Table 3 Global Drug Discovery Informatics Market Outlook, By In-House (2019-2028) (US \$MN)

Table 4 Global Drug Discovery Informatics Market Outlook, By Outsourced (2019-2028) (US \$MN)

Table 5 Global Drug Discovery Informatics Market Outlook, By Solution (2019-2028) (US \$MN)

Table 6 Global Drug Discovery Informatics Market Outlook, By Software (2019-2028) (US \$MN)

Table 7 Global Drug Discovery Informatics Market Outlook, By Services (2019-2028) (US \$MN)

Table 8 Global Drug Discovery Informatics Market Outlook, By Function (2019-2028) (US \$MN)

Table 9 Global Drug Discovery Informatics Market Outlook, By Clinical Trial Data Management (2019-2028) (US \$MN)

Table 10 Global Drug Discovery Informatics Market Outlook, By Docking (2019-2028) (US \$MN)

Table 11 Global Drug Discovery Informatics Market Outlook, By Library & Database Preparation (2019-2028) (US \$MN)

Table 12 Global Drug Discovery Informatics Market Outlook, By Molecular Modelling (2019-2028) (US \$MN)

Table 13 Global Drug Discovery Informatics Market Outlook, By Screening & Absorption, Distribution, Metabolism, Excretion and Toxicity (ADMET) Characterization (2019-2028) (US \$MN)

Table 14 Global Drug Discovery Informatics Market Outlook, By Sequencing and Target Data Analysis (2019-2028) (US \$MN)

Table 15 Global Drug Discovery Informatics Market Outlook, By Informatics Workflow (2019-2028) (US \$MN)

Table 16 Global Drug Discovery Informatics Market Outlook, By Discovery Informatics (2019-2028) (US \$MN)

Table 17 Global Drug Discovery Informatics Market Outlook, By Identification, Validation, & Assay Development Informatics (2019-2028) (US \$MN)

Table 18 Global Drug Discovery Informatics Market Outlook, By Lead Generation & Validation (2019-2028) (US \$MN)

Table 19 Global Drug Discovery Informatics Market Outlook, By Development Informatics (2019-2028) (US \$MN)

Table 20 Global Drug Discovery Informatics Market Outlook, By Lead Optimization (2019-2028) (US \$MN)

Table 21 Global Drug Discovery Informatics Market Outlook, By First Human Dose (FHD) Preparation (2019-2028) (US \$MN)

Table 22 Global Drug Discovery Informatics Market Outlook, By Phase IA Informatics (2019-2028) (US \$MN)

Table 23 Global Drug Discovery Informatics Market Outlook, By Phase IB/2 Informatics (2019-2028) (US \$MN)

Table 24 Global Drug Discovery Informatics Market Outlook, By Modality (2019-2028) (US \$MN)

Table 25 Global Drug Discovery Informatics Market Outlook, By Cloud Based Systems (2019-2028) (US \$MN)

Table 26 Global Drug Discovery Informatics Market Outlook, By In Campus Platform (2019-2028) (US \$MN)

Table 27 Global Drug Discovery Informatics Market Outlook, By Application (2019-2028) (US \$MN)

Table 28 Global Drug Discovery Informatics Market Outlook, By Drug Discovery (2019-2028) (US \$MN)

Table 29 Global Drug Discovery Informatics Market Outlook, By Preclinical Testing (2019-2028) (US \$MN)

Table 30 Global Drug Discovery Informatics Market Outlook, By Clinical Trials (2019-2028) (US \$MN)

Table 31 Global Drug Discovery Informatics Market Outlook, By Drug Development (2019-2028) (US \$MN)

Table 32 Global Drug Discovery Informatics Market Outlook, By End User (2019-2028) (US \$MN)

Table 33 Global Drug Discovery Informatics Market Outlook, By Academic Institutes (2019-2028) (US \$MN)

Table 34 Global Drug Discovery Informatics Market Outlook, By Biotechnology Companies (2019-2028) (US \$MN)

Table 35 Global Drug Discovery Informatics Market Outlook, By Contract Research Organization (CROs) (2019-2028) (US \$MN)

Table 36 Global Drug Discovery Informatics Market Outlook, By Government Organizations (2019-2028) (US \$MN)

Table 37 Global Drug Discovery Informatics Market Outlook, By Hospital (2019-2028)

(US \$MN)

Table 38 Global Drug Discovery Informatics Market Outlook, By Pharmaceutical Companies (2019-2028) (US \$MN)

Table 39 Global Drug Discovery Informatics Market Outlook, By University (2019-2028) (US \$MN)

Note: Tables for North America, Europe, Asia Pacific, South America and Middle East & Africa are represented in the same manner as above.

I would like to order

Product name: Drug Discovery Informatics - Global Market Outlook (2020-2028)

Product link: <https://marketpublishers.com/r/D063400320AEN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/D063400320AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970