

# Drug Discovery Informatics Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

The global drug discovery informatics market size reached US\$ 3.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 5.6 Billion by 2028, exhibiting a growth rate (CAGR) of 11.0% during 2022-2028.

Drug discovery informatics is a technological solution used for analyzing and interpreting large volumes of biochemical data. The data is generated from the experiments conducted in clinical laboratories for research purposes and utilized for generating insights regarding the development of various drugs. It involves numerous software and hardware-based tools for sequencing, target data analysis, data visualization, docking, molecular modelling, database protection for drug discovery and development. As a result, it is widely used by healthcare institutions, pharmaceutical and biotechnology organizations and contract research organizations (CROs).

Significant growth in the healthcare and pharmaceutical industries across the globe represents one of the key factors creating a positive outlook for the market.

Furthermore, the increasing prevalence of chronic medical disorders and the escalating requirement for effective solutions to treat rare diseases are also augmenting the market growth. Drug discovery informatics is widely used by pharmaceutical organizations for the analysis of new drug entities and handling of the biological information from multiple sources. Additionally, various technological advancements, such as the development of innovative Physiologically-based Pharmacokinetic (PBPK) Simulator platforms, which aid in predicting pharmacokinetic outcomes through modeling and simulation, are acting as other growth-inducing factors. In line with this, increasing investments by government and private healthcare institutions to develop orphan drugs is also contributing to the market growth. Other factors, including the rising geriatric population, along with extensive research and development (R&D) activities in the field of bioinformatics, are anticipated to drive the market further.

### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global drug discovery informatics market report, along with forecasts at the global, regional and country levels from 2023-2028. Our report has categorized the market based on workflow, function, mode and end user.

#### Breakup by Workflow:

Drug Discovery

Drug Development

#### Breakup by Function:

Sequence Analysis Platforms

Molecular Modelling

Molecular Docking

Clinical Trial Data Management

Others

#### Breakup by Mode:

Outsourced

In-house

#### Breakup by End User:

Pharmaceutical Companies

Biotechnology Companies

Contract Research Organization (CROs)

Others

#### Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Accenture Plc, Certara, Charles River Laboratories Inc., Collaborative Drug Discovery Inc., Eurofins DiscoverX Products, Infosys Ltd., International Business Machines Corporation, Jubilant Biosys Limited, Oracle Corporation, PerkinElmer Inc., Selvita and Thermo Fisher Scientific Inc.

Key Questions Answered in This Report:

How has the global drug discovery informatics market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global drug discovery informatics market?

What are the key regional markets?

What is the breakup of the market based on the workflow?

What is the breakup of the market based on the function?

What is the breakup of the market based on the mode?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global drug discovery informatics market and who are the key players?

What is the degree of competition in the industry?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL DRUG DISCOVERY INFORMATICS MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY WORKFLOW**

- 6.1 Drug Discovery
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Drug Development
  - 6.2.1 Market Trends

6.2.2 Market Forecast

## **7 MARKET BREAKUP BY FUNCTION**

7.1 Sequence Analysis Platforms

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Molecular Modelling

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Molecular Docking

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Clinical Trial Data Management

7.4.1 Market Trends

7.4.2 Market Forecast

7.5 Others

7.5.1 Market Trends

7.5.2 Market Forecast

## **8 MARKET BREAKUP BY MODE**

8.1 Outsourced

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 In-house

8.2.1 Market Trends

8.2.2 Market Forecast

## **9 MARKET BREAKUP BY END USER**

9.1 Pharmaceutical Companies

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Biotechnology Companies

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Contract Research Organization (CROs)

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Others

9.4.1 Market Trends

9.4.2 Market Forecast

## **10 MARKET BREAKUP BY REGION**

10.1 North America

10.1.1 United States

10.1.1.1 Market Trends

10.1.1.2 Market Forecast

10.1.2 Canada

10.1.2.1 Market Trends

10.1.2.2 Market Forecast

10.2 Asia-Pacific

10.2.1 China

10.2.1.1 Market Trends

10.2.1.2 Market Forecast

10.2.2 Japan

10.2.2.1 Market Trends

10.2.2.2 Market Forecast

10.2.3 India

10.2.3.1 Market Trends

10.2.3.2 Market Forecast

10.2.4 South Korea

10.2.4.1 Market Trends

10.2.4.2 Market Forecast

10.2.5 Australia

10.2.5.1 Market Trends

10.2.5.2 Market Forecast

10.2.6 Indonesia

10.2.6.1 Market Trends

10.2.6.2 Market Forecast

10.2.7 Others

10.2.7.1 Market Trends

10.2.7.2 Market Forecast

10.3 Europe

10.3.1 Germany

10.3.1.1 Market Trends

- 10.3.1.2 Market Forecast
- 10.3.2 France
  - 10.3.2.1 Market Trends
  - 10.3.2.2 Market Forecast
- 10.3.3 United Kingdom
  - 10.3.3.1 Market Trends
  - 10.3.3.2 Market Forecast
- 10.3.4 Italy
  - 10.3.4.1 Market Trends
  - 10.3.4.2 Market Forecast
- 10.3.5 Spain
  - 10.3.5.1 Market Trends
  - 10.3.5.2 Market Forecast
- 10.3.6 Russia
  - 10.3.6.1 Market Trends
  - 10.3.6.2 Market Forecast
- 10.3.7 Others
  - 10.3.7.1 Market Trends
  - 10.3.7.2 Market Forecast
- 10.4 Latin America
  - 10.4.1 Brazil
    - 10.4.1.1 Market Trends
    - 10.4.1.2 Market Forecast
  - 10.4.2 Mexico
    - 10.4.2.1 Market Trends
    - 10.4.2.2 Market Forecast
  - 10.4.3 Others
    - 10.4.3.1 Market Trends
    - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
  - 10.5.1 Market Trends
  - 10.5.2 Market Breakup by Country
  - 10.5.3 Market Forecast

## **11 SWOT ANALYSIS**

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses

11.4 Opportunities

11.5 Threats

## **12 VALUE CHAIN ANALYSIS**

## **13 PORTERS FIVE FORCES ANALYSIS**

13.1 Overview

13.2 Bargaining Power of Buyers

13.3 Bargaining Power of Suppliers

13.4 Degree of Competition

13.5 Threat of New Entrants

13.6 Threat of Substitutes

## **14 PRICE ANALYSIS**

## **15 COMPETITIVE LANDSCAPE**

15.1 Market Structure

15.2 Key Players

15.3 Profiles of Key Players

15.3.1 Accenture PLC

15.3.1.1 Company Overview

15.3.1.2 Product Portfolio

15.3.1.3 Financials

15.3.1.4 SWOT Analysis

15.3.2 Certara

15.3.2.1 Company Overview

15.3.2.2 Product Portfolio

15.3.3 Charles River Laboratories Inc.

15.3.3.1 Company Overview

15.3.3.2 Product Portfolio

15.3.3.3 Financials

15.3.3.4 SWOT Analysis

15.3.4 Collaborative Drug Discovery Inc.

15.3.4.1 Company Overview

15.3.4.2 Product Portfolio



### 15.3.5 Eurofins DiscoverX Products

15.3.5.1 Company Overview

15.3.5.2 Product Portfolio

### 15.3.6 Infosys Ltd.

15.3.6.1 Company Overview

15.3.6.2 Product Portfolio

15.3.6.3 Financials

15.3.6.4 SWOT Analysis

### 15.3.7 International Business Machines Corporation

15.3.7.1 Company Overview

15.3.7.2 Product Portfolio

15.3.7.3 Financials

15.3.7.4 SWOT Analysis

### 15.3.8 Jubilant Biosys Limited

15.3.8.1 Company Overview

15.3.8.2 Product Portfolio

### 15.3.9 Oracle Corporation

15.3.9.1 Company Overview

15.3.9.2 Product Portfolio

15.3.9.3 Financials

15.3.9.4 SWOT Analysis

### 15.3.10 PerkinElmer Inc.

15.3.10.1 Company Overview

15.3.10.2 Product Portfolio

15.3.10.3 Financials

15.3.10.4 SWOT Analysis

### 15.3.11 Selvita

15.3.11.1 Company Overview

15.3.11.2 Product Portfolio

### 15.3.12 Thermo Fisher Scientific Inc.

15.3.12.1 Company Overview

15.3.12.2 Product Portfolio

15.3.12.3 Financials

15.3.12.4 SWOT Analysis

## List Of Tables

### LIST OF TABLES

Table 1: Global: Drug Discovery Informatics Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Drug Discovery Informatics Market Forecast: Breakup by Workflow (in Million US\$), 2023-2028

Table 3: Global: Drug Discovery Informatics Market Forecast: Breakup by Function (in Million US\$), 2023-2028

Table 4: Global: Drug Discovery Informatics Market Forecast: Breakup by Mode (in Million US\$), 2023-2028

Table 5: Global: Drug Discovery Informatics Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 6: Global: Drug Discovery Informatics Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 7: Global: Drug Discovery Informatics Market: Competitive Structure

Table 8: Global: Drug Discovery Informatics Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Drug Discovery Informatics Market: Major Drivers and Challenges

Figure 2: Global: Drug Discovery Informatics Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Drug Discovery Informatics Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Drug Discovery Informatics Market: Breakup by Workflow (in %), 2022

Figure 5: Global: Drug Discovery Informatics Market: Breakup by Function (in %), 2022

Figure 6: Global: Drug Discovery Informatics Market: Breakup by Mode (in %), 2022

Figure 7: Global: Drug Discovery Informatics Market: Breakup by End User (in %), 2022

Figure 8: Global: Drug Discovery Informatics Market: Breakup by Region (in %), 2022

Figure 9: Global: Drug Discovery Informatics (Drug Discovery) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Drug Discovery Informatics (Drug Discovery) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Drug Discovery Informatics (Drug Development) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Drug Discovery Informatics (Drug Development) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Drug Discovery Informatics (Sequence Analysis Platforms) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Drug Discovery Informatics (Sequence Analysis Platforms) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Drug Discovery Informatics (Molecular Modelling) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Drug Discovery Informatics (Molecular Modelling) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Drug Discovery Informatics (Molecular Docking) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Drug Discovery Informatics (Molecular Docking) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Drug Discovery Informatics (Clinical Trial Data Management) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Drug Discovery Informatics (Clinical Trial Data Management) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Drug Discovery Informatics (Other Functions) Market: Sales Value (in

Million US\$), 2017 & 2022

Figure 22: Global: Drug Discovery Informatics (Other Functions) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Drug Discovery Informatics (Outsourced) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Drug Discovery Informatics (Outsourced) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Drug Discovery Informatics (In-house) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Drug Discovery Informatics (In-house) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Drug Discovery Informatics (Pharmaceutical Companies) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Drug Discovery Informatics (Pharmaceutical Companies) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Drug Discovery Informatics (Biotechnology Companies) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Drug Discovery Informatics (Biotechnology Companies) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Drug Discovery Informatics (Contract Research Organization (CROs)) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Drug Discovery Informatics (Contract Research Organization (CROs)) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Global: Drug Discovery Informatics (Other End Users) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Global: Drug Discovery Informatics (Other End Users) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: North America: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: North America: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: United States: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: United States: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Canada: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Canada: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Asia-Pacific: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Asia-Pacific: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: China: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: China: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Japan: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Japan: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: India: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: India: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: South Korea: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: South Korea: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Australia: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Australia: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Indonesia: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Indonesia: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Others: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Others: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Europe: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Europe: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: Germany: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: Germany: Drug Discovery Informatics Market Forecast: Sales Value (in

Million US\$), 2023-2028

Figure 61: France: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: France: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: United Kingdom: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: United Kingdom: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Italy: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Italy: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Spain: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Spain: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Russia: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Russia: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Others: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Others: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Latin America: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Latin America: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Brazil: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Brazil: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Mexico: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 78: Mexico: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 79: Others: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 80: Others: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 81: Middle East and Africa: Drug Discovery Informatics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 82: Middle East and Africa: Drug Discovery Informatics Market: Breakup by Country (in %), 2022

Figure 83: Middle East and Africa: Drug Discovery Informatics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 84: Global: Drug Discovery Informatics Industry: SWOT Analysis

Figure 85: Global: Drug Discovery Informatics Industry: Value Chain Analysis

Figure 86: Global: Drug Discovery Informatics Industry: Porter's Five Forces Analysis

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