

United States Bioinformatics Market By Product & Services (Bioinformatics Tools, Bioinformatics Platforms, Bioinformatics Services), By Type (Genomics & Proteomics, Simulation Studies & Molecular Modelling, Genetic Engineering, Others), By Application (Metagenomics, Drug Discovery, Precision Medicine, Others), By End User (Institutional Research v/s Industrial Research), By Region, Competition Forecast & Opportunities, 2027

<https://marketpublishers.com/r/UD8776F8EEF5EN.html>

Date: February 2023

Pages: 73

Price: US\$ 4,400.00 (Single User License)

ID: UD8776F8EEF5EN

Abstracts

United States bioinformatics market is anticipated to register growth with an impressive CAGR in the forecast period, 2023-2027, on the account of increasing biotechnological procedures and techniques. Also, rising technical advancements like nucleic acid and protein sequencing, genetic engineering, and storage of the then-found data and its analysis further drive the growth of the United States bioinformatics market in the upcoming five years. Rising demands for biotechnological procedures for advancing medicine, finding the cure for diseases, etc. also supports the growth of the United States bioinformatics market in the next five years.

Application of the tools of computation and analysis to the collection and interpretation of biological data is termed bioinformatics. A conjugation of multiple fields like medicine, computer science, mathematics, and physics, forms bioinformatics. Moreover, the storage of the human genome project data and other similar genomic projects aids in the growing requirements of bioinformatics. The storage of the genome mapping data helps in analyzing underlying genomes and thus translated protein information of any new species. Microorganisms like bacteria, viruses, and fungi tend to mutate rapidly.

The infectious diseases thus caused often lead to the urgency for devising treatments and vaccines against the microbes. The recent pandemic is one such example that actively utilized functions of bioinformatics in formulating the genome mapping of the coronavirus and its strain along with the vaccine and the pharmaceuticals.

Prevalence of Rare Diseases Promises Market Growth

Rapid outbreaks of new diseases and the growing prevalence of infectious diseases with unidentified strains of microorganisms, and their adversities drive the growth of the United States bioinformatics market in the upcoming five years. The definition of rare diseases in the country depends on the population it affects in a country or a region for a prolonged period. In the United States, if a disease affects less than 200,000 people it is categorized as a rare disease. In recent times, rare diseases along with infections have grown rapidly and affected a large population in the country.

The recent pandemic affected the worldwide population. In United States, over 81 million cases have been recorded in the country by March 2022 where 997,933 people died due to COVID-19. The United States was one of the few countries that came up with the vaccination and pharmaceuticals for viral infection, and the use of bioinformatics for the purpose was a boon. Therefore, the prevalent nature of such infectious diseases would support the growth of the United States bioinformatics market in the next five years.

Technological Advancement Guides Market Growth

Growing advancement in biotechnological procedures and processes drives market growth. Moreover, the evolution of big data technology is also fueling the technical advancement in the bioinformatics field. Using the technology for the analysis of the protein structure, functions, and further predictive analysis is substantiating the growth of the United States bioinformatics market in the future five years. Moreover, developments in systems biology and genomic analysis of pharmaceuticals have helped personalized medicine to transit from disease-centered and reductionism-based medical practice to system-based, integrative, and human-centered care.

Furthermore, increasing investment in research and advancement in bioinformatic systems & services is another major factor aiding the growth of the United States bioinformatics market. In the year 2021, USD 597.26 billion was spent on research and development in the healthcare sector. A large section was involved in pharmaceutical

advancement and data storage regarding new protein translations, thus substantiating market growth in the country.

Market Segmentation

The United States bioinformatics market is segmented by product & services, type, application, end-user, competitive landscape, and regional distribution. Based on products & services, the market is further segmented into bioinformatics tools, bioinformatics platforms, and bioinformatics services. By type, the market is fragmented into genomics & proteomics, simulation studies & molecular modeling, genetic engineering, and others. Based on application, the market is bifurcated into metagenomics, drug discovery, precision medicine, and others. By end user, the market is differentiated between institutional research and industrial research. The market analysis also studies the regional segmentation to devise regional market segmentation, divided among the South region, Mid-West region, North-East region, and West region.

Company Profile

Illumina, Inc., Thermo Fischer Scientific, Inc., Agilent Technologies, Inc., PerkinElmer Inc., QIAGEN Inc., 23AndMe, DataTrack International, Inc., Biovia-Dassault Systemes, Waters Corporation, SOPHiA GENETICS, among others is a partial list of major market players of the companies responsible for the growth of United States bioinformatics market.

Report Scope:

In this report, United States bioinformatics market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

United States Bioinformatics Market, By Product & Services:

Bioinformatics Tools

Bioinformatics Platforms

Bioinformatics Services

United States Bioinformatics Market, By Type:

Genomics & Proteomics

Simulation Studies & Molecular Modelling

Genetic Engineering

Others

United States Bioinformatics Market, By Application:

Metagenomics

Drug Discovery

Precision Medicine

Others

United States Bioinformatics Market, By End User:

Institutional Research

Industrial Research

United States Bioinformatics Market, By Region:

South Region

Mid-West Region

North-East Region

West Region

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in United States

United States Bioinformatics Market By Product & Services (Bioinformatics Tools, Bioinformatics Platforms, Bio...

bioinformatics market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

2. RESEARCH METHODOLOGY

3. IMPACT OF COVID-19 ON UNITED STATES BIOINFORMATICS MARKET

4. EXECUTIVE SUMMARY

5. VOICE OF CUSTOMER

6. UNITED STATES BIOINFORMATICS MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Product & Services (Bioinformatics Tools, Bioinformatics Platforms, Bioinformatics Services)

6.2.2. By Type (Genomics & Proteomics, Simulation Studies & Molecular Modelling, Genetic Engineering, Others)

6.2.3. By Application (Metagenomics, Drug Discovery, Precision Medicine, Others)

6.2.4. By End User (Institutional Research v/s Industrial Research)

6.2.5. By Region

6.2.6. By Company (2021)

6.3. Product Market Map

7. UNITED STATES BIOINFORMATICS TOOLS MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Type

7.2.2. By Application

7.2.3. By End User

8. UNITED STATES BIOINFORMATICS PLATFORMS MARKET OUTLOOK

8.1. Market Size & Forecast

- 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Type
 - 8.2.2. By Application
 - 8.2.3. By End User

9. UNITED STATES BIOINFORMATICS SERVICES MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Type
 - 9.2.2. By Application
 - 9.2.3. By End User

10. MARKET DYNAMICS

- 10.1. Drivers
- 10.2. Challenges

11. MARKET TRENDS & DEVELOPMENTS

12. POLICY & REGULATORY LANDSCAPE

13. UNITED STATES ECONOMIC PROFILE

14. COMPETITIVE LANDSCAPE

- 14.1. Competition Outlook
- 14.2. Company Profiles
 - 14.2.1. Illumina, Inc.
 - 14.2.2. Thermo Fischer Scientific, Inc.
 - 14.2.3. Agilent Technologies, Inc.
 - 14.2.4. PerkinElmer Inc.
 - 14.2.5. QIAGEN Inc.
 - 14.2.6. 23AndMe
 - 14.2.7. DataTrack International, Inc.
 - 14.2.8. Biovia-Dassault Systemes
 - 14.2.9. Waters Corporation

14.2.10. SOPHiA GENETICS

15. STRATEGIC RECOMMENDATIONS

I would like to order

Product name: United States Bioinformatics Market By Product & Services (Bioinformatics Tools, Bioinformatics Platforms, Bioinformatics Services), By Type (Genomics & Proteomics, Simulation Studies & Molecular Modelling, Genetic Engineering, Others), By Application (Metagenomics, Drug Discovery, Precision Medicine, Others), By End User (Institutional Research v/s Industrial Research), By Region, Competition Forecast & Opportunities, 2027

Product link: <https://marketpublishers.com/r/UD8776F8EEF5EN.html>

Price: US\$ 4,400.00 (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/UD8776F8EEF5EN.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