

GLOBAL CRISPR MARKET FORECAST 2018-2026

<https://marketpublishers.com/r/G1CE8E45566EN.html>

Date: January 2018

Pages: 0

Price: US\$ 2,500.00 (Single User License)

ID: G1CE8E45566EN

Abstracts

KEY FINDINGS

The Global CRISPR market is expected to witness a boost of 36.53% CAGR over the forecast period of 2018-2026, raising a net total of \$7955 million by the end of 2026. Factors like increasing demand of the technology for drug discovery, late pregnancies leading to birth disorders and growing investments for path-breaking research technology are fuelling the market growth.

MARKET INSIGHTS

The Global CRISPR market is segmented on the basis of products, applications, end-users. The product segment includes plasmids and vectors, design tools, Cas9 nuclease and gRNA, and delivery systems. The application segment includes genetic engineering, genome editing, gRNA database/gene library, human stem cells, CRISPR plasmid, genetically modified organisms/crops and cell line engineering. The end-users for the CRISPR market include research foundation, academic institutes, pharma companies and biotech firms.

REGIONAL INSIGHTS

Regional segmentation of the market is done into Europe, Asia-Pacific, North America and rest of the world CRISPR markets. The Asia-Pacific market is expected to register the fastest growth over the forecast period. The region is driven by high population growth in emerging nations of India and China and a growing prevalence of genetic diseases there. The North American market, on the other hand, is predicted to account for the highest revenue share by the end of the forecast period, with the U.S being its major contributor. The presence of leading market companies and growing consumer awareness related to this technology is responsible for propelling this region ahead.

COMPETITIVE INSIGHTS

Editas Medicine, Venture Capital Funding, Crispr Therapeutics Ag, Sigma-Aldrich (Merck), Horizon Discovery Plc, Genscript, Lonza Group Ag, Sangamo Biosciences Inc, Integrated DNA Technologies (IDT), Origene Technologies Inc, New England Biolabs Inc, Transposagen Biopharmaceuticals Inc, Caribou Biosciences Inc, Thermo Fisher Scientific, Precision Biosciences, Intellia Therapeutics Inc, Collectis Bioresearch Sas, and Novartis International Ag are few of the companies engaged in the global CRISPR market.

Contents

1. RESEARCH SCOPE

- 1.1. STUDY GOALS
- 1.2. SCOPE OF THE MARKET STUDY
- 1.3. WHO WILL FIND THIS REPORT USEFUL?
- 1.4. STUDY AND FORECASTING YEARS

2. RESEARCH METHODOLOGY

- 2.1. SOURCES OF DATA
- 2.2. TOP DOWN APPROACH
- 2.3. BOTTOM-UP APPROACH
- 2.4. DATA TRIANGULATION

3. EXECUTIVE SUMMARY

- 3.1. MARKET SUMMARY
- 3.2. KEY FINDINGS
 - 3.2.1. NORTH AMERICA HOLDS THE LARGEST MARKET SHARE
 - 3.2.2. DESIGN TOOLS ARE GROWING AT A FASTER RATE IN TERMS OF PRODUCT
 - 3.2.3. PHARMA COMPANIES ARE GROWING RAPIDLY
 - 3.2.4. GENOME EDITING TO HOLD THE LARGEST SHARE

4. MARKET DETERMINANTS

- 4.1. DRIVERS
 - 4.1.1. INCREASING DEMAND FOR DRUG DISCOVERY
 - 4.1.2. LATE PREGNANCIES LEADING TO BIRTH DISORDERS
 - 4.1.3. SYNTHETIC GENES LEAD THE WAY
 - 4.1.4. AGING GENETIC DISORDERS
 - 4.1.5. INVESTMENT IN PATH BREAKING RESEARCH TECHNOLOGY
 - 4.1.6. CHANGING LIFESTYLES
- 4.2. RESTRAINTS
 - 4.2.1. POSSIBLE MISUSE OF CRISPR GENE EDITING TOOL
 - 4.2.2. LACK OF AWARENESS
 - 4.2.3. LACK OF HEALTHCARE BUDGETS IN DEVELOPING COUNTRIES

4.3. OPPORTUNITIES

4.3.1. GENOME SURGERY TO REWRITE GENETIC DISORDERS

4.3.2. CLINICAL TRIALS IN ASIA

4.4. CHALLENGES

4.4.1. PROTECTION OF PATENT

4.4.2. ALTERNATE TECHNOLOGIES

4.4.3. LACK OF HEALTHCARE BUDGETS IN DEVELOPING COUNTRIES

5. MARKET SEGMENTATION

5.1. MARKET BY PRODUCT 2018-2026

5.1.1. DESIGN TOOLS

5.1.2. PLASMIDS AND VECTORS

5.1.3. CAS9 NUCLEASE AND GRNA

5.1.4. DELIVERY SYSTEM

5.2. MARKET BY END USER 2018-2026

5.2.1. BIOTECHNOLOGY FIRMS

5.2.2. PHARMACEUTICAL COMPANIES

5.2.3. ACADEMIC INSTITUTES

5.2.4. RESEARCH FOUNDATION

5.3. MARKET BY APPLICATION 2018-2026

5.3.1. GENOME EDITING

5.3.2. GENETIC ENGINEERING

5.3.3. GRNA DATABASE/GENE LIBRARY

5.3.4. CRISPR PLASMID

5.3.5. HUMAN STEM CELLS

5.3.6. GENETICALLY MODIFIED ORGANISMS/CROPS

5.3.7. CELL LINE ENGINEERING

6. KEY ANALYTICS

6.1. PORTER'S 5 FORCE MODEL

6.1.1. THREATS OF NEW ENTRANTS

6.1.2. THREAT OF SUBSTITUTES

6.1.3. BARGAINING POWER OF BUYER

6.1.4. BARGAINING POWER OF SUPPLIER

6.1.5. INTENSITY OF COMPETITIVE RIVALRY

6.2. MARKET ETYMOLOGY

6.3. SUPPLY CHAIN ANALYSIS

- 6.4. REGULATORY FRAMEWORK
- 6.5. VALUE CHAIN ANALYSIS
- 6.6. KEY BUYING CRITERIA
- 6.7. PATENT ANALYSIS
- 6.8. 360 DEGREE ANALYSIS
- 6.9. STRATEGIC RECOMMENDATION AND CONCLUSION

7. GEOGRAPHICAL ANALYSIS

- 7.1. NORTH AMERICA
 - 7.1.1. UNITED STATES
 - 7.1.2. CANADA
 - 7.1.3. RONA (REST OF NORTH AMERICA)
- 7.2. EUROPE
 - 7.2.1. UNITED KINGDOM
 - 7.2.2. FRANCE
 - 7.2.3. GERMANY
 - 7.2.4. SPAIN
 - 7.2.5. ITALY
 - 7.2.6. ROE (REST OF EUROPE)
- 7.3. ASIA PACIFIC (APAC)
 - 7.3.1. INDIA
 - 7.3.2. CHINA
 - 7.3.3. JAPAN
 - 7.3.4. SOUTH KOREA
 - 7.3.5. REST OF APAC
- 7.4. REST OF THE WORLD

8. COMPANY PROFILE

- 8.1. COMPETITIVE ANALYSIS
 - 8.1.1. TOP 5 COMPANIES
 - 8.1.2. MERGERS AND ACQUISITION
 - 8.1.3. PARTNERSHIPS AND COLLABORATIONS
 - 8.1.4. INNOVATIONS
 - 8.1.5. VENTURE CAPITAL FUNDING
- 8.2. EDITAS MEDICINE
- 8.3. CRISPR THERAPEUTICS AG
- 8.4. HORIZON DISCOVERY PLC.

- 8.5. SIGMA-ALDRICH (MERCK)
- 8.6. GENSCRIPT
- 8.7. SANGAMO BIOSCIENCES INC.
- 8.8. LONZA GROUP AG
- 8.9. INTEGRATED DNA TECHNOLOGIES (IDT)
- 8.10. NEW ENGLAND BIOLABS INC
- 8.11. ORIGENE TECHNOLOGIES INC
- 8.12. TRANSPOSAGEN BIOPHARMACEUTICALS INC.
- 8.13. THERMO FISHER SCIENTIFIC
- 8.14. CARIBOU BIOSCIENCES INC.
- 8.15. PRECISION BIOSCIENCES
- 8.16. CELLECTIS BIORESEARCH SAS
- 8.17. INTELLIA THERAPEUTICS INC
- 8.18. NOVARTIS INTERNATIONAL AG

List Of Tables

LIST OF TABLES

TABLE 1 GLOBAL CRISPR MARKET, BY REGION 2018-2026 (\$ MILLIONS)

TABLE 2 VARIOUS INITIATIVES AND POLICIES UNDERTAKEN BY THE GOVERNMENT IN HEALTHCARE SECTOR

TABLE 3 RISING PUBLIC HEALTH AND LONG-TERM CARE EXPENDITURE OVER THE NEXT DECADES (%)

TABLE 4 MAJOR CONCERNS RELATED TO GENETIC ENGINEERING

TABLE 5 GLOBAL CRISPR PRODUCT MARKET SHARE 2018-2026 (\$ MILLIONS)

TABLE 6 TOOLS NAME AND THEIR PROVIDERS

TABLE 7 GLOBAL CRISPR MARKET IN DESIGN TOOLS BY GEOGRAPHY 2018-2026 (\$ MILLIONS)

TABLE 8 GLOBAL CRISPR MARKET IN PLASMIDS AND VECTORS BY GEOGRAPHY 2018-2026 (\$ MILLIONS)

TABLE 9 GLOBAL CRISPR MARKET IN CAS9 NUCLEASE AND GRNA BY GEOGRAPHY 2018-2026 (\$ MILLIONS)

TABLE 10 GLOBAL CRISPR MARKET IN DELIVERY SYSTEM BY GEOGRAPHY 2018-2026 (\$ MILLIONS)

TABLE 11 GLOBAL CRISPR MARKET IN END USER 2018-2026 (\$ MILLIONS)

TABLE 12 GLOBAL CRISPR MARKET IN BIOTECH FIRMS BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 13 GLOBAL CRISPR MARKET IN PHARMA COMPANIES BY GEOGRAPHY 2018-2026 (\$ MILLIONS)

TABLE 14 LIST OF TOP UNIVERSITIES AROUND THE WORLD FOR GENETIC ENGINEERING, 2015

TABLE 15 GLOBAL CRISPR MARKET IN ACADEMIC INSTITUTIONS BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 16 GLOBAL CRISPR MARKET IN RESEARCH FOUNDATION BY GEOGRAPHY 2018-2026 (\$ MILLIONS)

TABLE 17 GLOBAL CRISPR MARKET, BY APPLICATION 2018-2026 (\$ MILLIONS)

TABLE 18 GLOBAL CRISPR MARKET IN GENOME EDITING BY GEOGRAPHY 2018-2026 (\$ MILLIONS)

TABLE 19 GLOBAL CRISPR MARKET IN GENETIC ENGINEERING BY GEOGRAPHY 2018-2026 (\$ MILLIONS)

TABLE 20 GLOBAL CRISPR MARKET IN GRNA DATABASE/GENE LIBRARY BY GEOGRAPHY 2018-2026 (\$ MILLIONS)

TABLE 21 GLOBAL CRISPR MARKET IN CRISPR PLASMID BY GEOGRAPHY

2018-2026 (\$ MILLIONS)

TABLE 22 GLOBAL CRISPR MARKET IN HUMAN STEM CELLS BY GEOGRAPHY

2018-2026 (\$ MILLIONS)

TABLE 23 GLOBAL CRISPR MARKET IN GENETICALLY MODIFIED ORGANISMS/CROPS BY GEOGRAPHY 2018-2026 (\$ MILLIONS)

TABLE 24 GLOBAL CRISPR MARKET IN CELL LINE ENGINEERING BY GEOGRAPHY 2018-2026 (\$ MILLIONS)

TABLE 25 GLOBAL CRISPR MARKET, BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 26 FUNDS ALLOCATED FOR RESEARCH ACTIVITIES IN BUDGET 2016

TABLE 27 GM CROPS GROWN IN CANADA

TABLE 28 EUROPE CRISPR MARKET 2018-2026 (\$ MILLION)

TABLE 29 APAC CRISPR MARKET 2018-2026 (\$ MILLIONS)

List Of Figures

LIST OF FIGURES

- FIGURE 1 CAUSES OF DEATHS DURING 2016, WORLDWIDE
- FIGURE 2 FATALITIES INCREASING DUE TO LIFESTYLE ORIENTED DISEASES (IN THOUSAND)
- FIGURE 3 REASON FOR OUTSOURCING DRUG DISCOVERY PROJECTS
- FIGURE 4 GLOBAL CRISPR MARKET IN DESIGN TOOLS MARKET SHARE 2018-2026 (\$ MILLIONS)
- FIGURE 5 GLOBAL CRISPR MARKET IN PLASMIDS AND VECTORS 2018-2026 (\$ MILLIONS)
- FIGURE 6 GLOBAL CRISPR MARKET IN CAS9 NUCLEASE AND GRNA 2018-2026 (\$ MILLIONS)
- FIGURE 7 GLOBAL CRISPR MARKET IN DELIVERY SYSTEM 2018-2026 (\$ MILLIONS)
- FIGURE 8 GLOBAL CRISPR MARKET IN BIOTECH FIRMS 2018-2026 (\$ MILLION)
- FIGURE 9 GLOBAL CRISPR MARKET IN PHARMA COMPANIES 2018-2026 (\$ MILLION)
- FIGURE 10 GLOBAL CRISPR MARKET IN ACADEMIC INSTITUTIONS 2018-2026 (\$ MILLION)
- FIGURE 11 GLOBAL CRISPR MARKET IN RESEARCH FOUNDATION 2018-2026 (\$ MILLIONS)
- FIGURE 12 GLOBAL CRISPR MARKET IN GENOME EDITING 2018-2026 (\$ MILLIONS)
- FIGURE 13 GLOBAL CRISPR MARKET IN GENETIC ENGINEERING 2018-2026 (\$ MILLIONS)
- FIGURE 14 GLOBAL CRISPR MARKET IN GRNA DATABASE/GENE LIBRARY 2018-2026 (\$ MILLIONS)
- FIGURE 15 GLOBAL CRISPR MARKET IN CRISPR PLASMID 2018-2026 (\$ MILLIONS)
- FIGURE 16 GLOBAL CRISPR MARKET IN HUMAN STEM CELLS 2018-2026 (\$ MILLIONS)
- FIGURE 17 GLOBAL CRISPR MARKET IN GENETICALLY MODIFIED ORGANISMS/CROPS 2018-2026 (\$ MILLIONS)
- FIGURE 18 GLOBAL CRISPR MARKET IN CELL LINE ENGINEERING 2018-2026 (\$ MILLIONS)
- FIGURE 19 TIMELINE OF GLOBAL CRISPR MARKET
- FIGURE 20 VALUE CHAIN ANALYSIS

FIGURE 21 GLOBAL CRISPR MARKET SHARE BY REGION, 2016
FIGURE 22 NORTH AMERICA CRISPER MARKET 2018-2026 (\$ MILLION)
FIGURE 23 ADOPTION OF GMO CROPS IN THE U.S. IN 2016
FIGURE 24 U.S. CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 25 REASONS FOR ADOPTING GENETICALLY ENGINEERED CROP (BT COTTON)
FIGURE 26 GM CROPS GROWN IN CANADA
FIGURE 27 CANADA CRISPER MARKET 2018-2026 (\$ MILLION)
FIGURE 28 RONA CRISPER MARKET 2018-2026(\$MILLION)
FIGURE 29 EUROPE CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 30 UNITED KINGDOM CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 31 FRANCE CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 32 GERMANY CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 33 SPAIN CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 34 ITALY CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 35 REST OF EUROPE CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 36 INDIA CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 37 CHINA CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 38 JAPAN CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 39 SOUTH KOREA CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 40 REST OF APAC CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 41 ROPAC CRISPR MARKET 2018-2026 (\$ MILLION)
FIGURE 42 CRISPR MARKET COMPANIES SHARE 2016

COMPANIES MENTIONED

2. EDITAS MEDICINE
3. CRISPR THERAPEUTICS AG
4. HORIZON DISCOVERY PLC.
5. SIGMA-ALDRICH (MERCK)
6. GENSCRIPT
7. SANGAMO BIOSCIENCES INC.
8. LONZA GROUP AG
9. INTEGRATED DNA TECHNOLOGIES (IDT)
10. NEW ENGLAND BIOLABS INC
11. ORIGENE TECHNOLOGIES INC
12. TRANSPOSAGEN BIOPHARMACEUTICALS INC.
13. THERMO FISHER SCIENTIFIC

14. CARIBOU BIOSCIENCES INC.
15. PRECISION BIOSCIENCES
16. CELLECTIS BIORESEARCH SAS
17. INTELLIA THERAPEUTICS INC
18. NOVARTIS INTERNATIONAL AG

I would like to order

Product name: GLOBAL CRISPR MARKET FORECAST 2018-2026

Product link: <https://marketpublishers.com/r/G1CE8E45566EN.html>

Price: US\$ 2,500.00 (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/G1CE8E45566EN.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