

# Global Genome Editing Market Forecast to 2025

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## Abstracts

Global Genome Editing Market - Drivers, Restraints, Opportunities, Trends, and Forecast, 2019–2025

[98 pages report] This market research report includes a detailed segmentation of the global genome editing market – by technology (CRISPR, TALEN, ZFN, and Others), by application (Cell Line Engineering, Genetic Engineering, and Others), By end-user (Research Institutes, Biotechnology and Pharmaceutical Companies, and Contract Research Organizations), by regions (North America, Europe, Asia Pacific, and Rest of the World).

### Overview of the Global Genome Editing Market

Infoholic's market research report predicts that the "Global Genome Editing Market" will grow at a CAGR of 14.4% during the forecast period. The market has witnessed steady growth in the past few years with the development in technology and the introduction of highly sensitive, robust, and reliable systems in the market. The market is fueled due to increase in genetic disorders, increasing investment and funds, and technological advancements in genome editing.

The market continues to grow and is one of the increasingly accepted market in many countries worldwide. Vendors are focusing towards obtaining funds and collaborating with universities to enlarge their research and development capabilities. The majority of the revenue is generated from the leading players in the market with dominating sales of ThermoFisher Scientific, GenScript Corp., Sangamo Therapeutics, Lonza Group, and Horizon Discovery Group plc.

According to Infoholic Research analysis, North America accounted for the largest share of the global genome editing market in 2018. US dominates the market with

majority of genome editing companies being located in this region. However, China has not been too far behind and has great government support for the research in genome editing field.

#### By Technology:

CRISPR

TALEN

ZFN

Others

In 2018, the CRISPR segment occupied the largest share due to specific, effective, and cost-effective nature of the technology. Many companies are focusing on providing genome editing services. For instance, in January 2019, Horizon Discovery extended CRISPR screening service to primary human T cells.

#### By Applications:

Cell Line Engineering

Genetic Engineering

Others

In 2018, the cell line engineering accounted the maximum share followed by genetic engineering. Increase in the number of people suffering with genetic disorders has driven the growth of the genome editing market.

#### By End Users:

Research Institutes

Biotechnology and Pharmaceutical Companies

## Contract Research Organizations

In 2018, the biotechnology and pharmaceutical companies gained the highest market share for genome editing market due to increased pervasiveness of cancer and infectious diseases are driving research goings-on in biotechnology & pharmaceutical companies segment.

### By Regions:

North America

Europe

APAC

ROW

The market is dominated by North America, followed by Asia Pacific and Europe. The major share of the North America market is from the US due to quick adoption of new and advanced technologies.

Genome Editing Market Research Competitive Analysis – The market is extremely fragmented with several smaller companies struggling for market share. Big pharmaceutical establishments have also united with venture capitalists to provide funding to the start-ups. In 2015, Bayer financed \$335 million and in the very same year, Celgene combined with Abingworth invested \$64 million in CRISPR Therapeutics. The NIH recently granted 21 somatic cell genome editing grants of almost \$86 million over the next half a decade. These endowments are the foremost to be granted through the Somatic Cell Genome Editing (SCGE) program that was initiated in January 2018 with NIH Common Fund.

The companies are collaborating and licensing to increase their capabilities in the market. CRISPR, TALEN, ZFN, Meganuclease, ARCUS, and RTDS are some of the key technology areas concentrated by key players in the market. Since 2015, the deals on the CRISPR technology has drastically increased.

### Key vendors:

ThermoFisher Scientific

GenScript Corp.

Sangamo Therapeutics

Lonza Group

Horizon Discovery Group plc

Merck KGaA

Transposagen Biopharmaceutical

CRISPR Therapeutics

Editas Medicine

Integrated DNA Technologies

New England Biolabs

Origene Technologies, Inc.

### Key competitive facts

Genetic editing technologies are intensely evolving from previous two decades and has facilitated in the variation of genome further rapidly and in a less expensive technique.

The US is the leader in the CRISPR technology, while the market for TALEN genome editing technology is dominated by China.

**Benefits** – The report provides complete details about the usage and adoption rate of genome editing market. Thus, the key stakeholders can know about the major trends, drivers, investments, vertical player's initiatives, and government initiatives towards the healthcare segment in the upcoming years along with details of the pureplay companies

entering the market. Moreover, the report provides details about the major challenges that are going to impact the market growth. Additionally, the report gives complete details about the key business opportunities to key stakeholders in order to expand their business and capture the revenue in specific verticals, and to analyze before investing or expanding the business in this market.

#### Key Takeaways:

Understanding the potential market opportunity with precise market size and forecast data

Detailed market analysis focusing on the growth of genome editing industry

Factors influencing the growth of genome editing market

In-depth competitive analysis of dominant and pureplay vendors

Prediction analysis of genome editing market in both developed and developing regions

Key insights related to major segments of the genome editing market

Latest market trend analysis impacting the buying behavior of the consumers

## Contents

### **1 INDUSTRY OUTLOOK**

- 1.1 Industry Overview
- 1.2 Total Addressable Market
  - 1.2.1 Industry Trends

### **2 REPORT OUTLINE**

- 2.1 Report Scope
- 2.2 Report Summary
- 2.3 Research Methodology
- 2.4 Report Assumptions

### **3 MARKET SNAPSHOT**

- 3.1 Market Definition – Infoholic Research
- 3.2 Segmented Addressable Market (SAM)
- 3.3 Industry Trends
- 3.4 Related Markets
  - 3.4.1 Genetic Testing
    - 3.4.1.1 Trends of the genetic testing market
  - 3.4.2 Liquid Biopsy Market
    - 3.4.2.1 Trends of Liquid biopsy market
  - 3.4.3 Next-generation sequencing
    - 3.4.3.1 Trends in the Next-generation sequencing market

### **4 MARKET OUTLOOK**

- 4.1 Funding Scenario
- 4.2 International Patent Classification (IPC) Codes and for the Technology Areas
  - 4.2.1 Life Science Research
  - 4.2.2 General Research
- 4.3 Deals
- 4.4 Porter 5 (Five) Forces

### **5 MARKET CHARACTERISTICS**

## 5.1 Evolution

## 5.2 Market Segmentation

## 5.3 Market Dynamics

### 5.3.1 Drivers

#### 5.3.1.1 Increase in Genetic Disorders

#### 5.3.1.2 Increasing Investment and Funds

#### 5.3.1.3 Technological Advancements in Genome Editing

### 5.3.2 Restraints

#### 5.3.2.1 Ethical Concerns Associated to Genetic Editing

#### 5.3.2.2 High Cost of Genome Engineering Technologies

### 5.3.3 Opportunities

#### 5.3.3.1 Market Expansion Opportunities in Emerging Nations

#### 5.3.3.2 Growing Collaboration for Genome Engineering Technologies

### 5.3.4 DRO – Impact Analysis

## 5.4 Key Stakeholders

## **6 TECHNOLOGY TYPES: MARKET SIZE AND ANALYSIS**

### 6.1 Overview

### 6.2 CRISPR/Clustered Regularly Interspaced Short Palindromic Repeats

### 6.3 TALEN/Transcription Activator-Like Effector Nuclease

### 6.4 ZFN/Zinc-Finger Nucleases

### 6.5 Others

## **7 APPLICATION TYPES: MARKET SIZE AND ANALYSIS**

### 7.1 Overview

### 7.2 Cell Line Engineering

### 7.3 Genetic Engineering

### 7.4 Others

## **8 END USERS: MARKET SIZE AND ANALYSIS**

### 8.1 Overview

### 8.2 Research Institutes

### 8.3 Biotechnology and Pharmaceutical Companies

### 8.4 Contract Research Organizations

## **9 REGIONS: MARKET SIZE AND ANALYSIS**

## 9.1 Overview

## 9.2 North America

### 9.2.1 Overview

## 9.3 Europe

### 9.3.1 Overview

## 9.4 Asia Pacific

### 9.4.1 Overview

## 9.5 Rest of the World

### 9.5.1 Overview

# **10 COMPETITIVE LANDSCAPE**

# **11 VENDORS PROFILE**

## 11.1 ThermoFisher Scientific, Inc.

### 11.1.1 Overview

### 11.1.2 Business Units

### 11.1.3 Geographic Presence

### 11.1.4 Business Focus

### 11.1.5 SWOT Analysis

### 11.1.6 Business Strategy

## 11.2 GenScript Corp.

### 11.2.1 Overview

### 11.2.2 Business Units

### 11.2.3 Geographic Presence

### 11.2.4 Business Focus

### 11.2.5 SWOT Analysis

### 11.2.6 Business Strategies

## 11.3 SANGAMO THERAPEUTICS, INC.

### 11.3.1 Overview

### 11.3.2 Business Focus

### 11.3.3 SWOT Analysis

### 11.3.4 Business Strategies

## 11.4 Lonza Group

### 11.4.1 Overview

### 11.4.2 Business Units

### 11.4.3 Geographic Presence

### 11.4.4 Business Focus



- 11.4.5 SWOT Analysis
- 11.4.6 Business Strategies
- 11.5 Horizon Discovery Group plc
  - 11.5.1 Overview
  - 11.5.2 Business Units
  - 11.5.3 Geographic Presence
  - 11.5.4 Business Focus
  - 11.5.5 SWOT Analysis
  - 11.5.6 Business Strategies

## **12 COMPANIES TO WATCH FOR**

- 12.1 Merck KGaA
    - 12.1.1 Overview
  - 12.2 Transposagen Biopharmaceuticals
    - 12.2.1 Overview
  - 12.3 CRISPR Therapeutics
    - 12.3.1 Overview
  - 12.4 Editas Medicine
    - 12.4.1 Overview
  - 12.5 Integrated DNA Technologies
    - 12.5.1 Overview
  - 12.6 New England Biolabs
    - 12.6.1 Overview
  - 12.7 Origene Technologies, Inc.
    - 12.7.1 Overview
- Annexure
- ? Acronyms

## List Of Tables

### LIST OF TABLES

TABLE 1 DEALS BETWEEN 2011–2016

TABLE 2 GENOME EDITING MARKET REVENUE, BY TECHNOLOGY TYPE, 2018–2025 (\$MILLION)

TABLE 3 GENOME EDITING MARKET REVENUE, BY APPLICATION TYPE, 2018–2025 (\$MILLION)

TABLE 4 GENOME EDITING MARKET REVENUE, BY PRODUCT TYPE, 2018–2025 (\$MILLION)

TABLE 5 COST COMPARISON OF GENOME EDITING TECHNOLOGY

TABLE 6 KEY DEVELOPMENTS IN THE MARKET

TABLE 7 THERMO FISHER SCIENTIFIC: PRODUCT OFFERINGS

TABLE 8 THERMO FISHER SCIENTIFIC: RECENT DEVELOPMENTS

TABLE 9 GENSCRIPT CORPORATION: PRODUCT OFFERINGS

TABLE 10 GENSCRIPT CORPORATION: RECENT DEVELOPMENTS

TABLE 11 SANGAMO THERAPEUTICS, INC.: PRODUCT OFFERINGS

TABLE 12 SANGAMO THERAPEUTICS, INC.: RECENT DEVELOPMENTS

TABLE 13 LONZA GROUP: OFFERINGS

TABLE 14 LONZA GROUP: RECENT DEVELOPMENTS

TABLE 15 HORIZON DISCOVERY GROUP PLC: OFFERINGS

TABLE 16 HORIZON DISCOVERY GROUP PLC: RECENT DEVELOPMENTS

TABLE 17 MERCK KGAA: SNAPSHOT

TABLE 18 MERCK KGAA: RECENT DEVELOPMENTS

TABLE 19 TRANSPOSAGEN BIOPHARMACEUTICALS: SNAPSHOT

TABLE 20 TRANSPOSAGEN BIOPHARMACEUTICALS: RECENT DEVELOPMENTS

TABLE 21 CRISPR THERAPEUTICS: OVERVIEW

TABLE 22 CRISPR THERAPEUTICS: RECENT DEVELOPMENTS

TABLE 23 EDITAS MEDICINE: OVERVIEW

TABLE 24 EDITAS MEDICINE: RECENT DEVELOPMENTS

TABLE 25 INTEGRATED DNA TECHNOLOGIES: SNAPSHOT

TABLE 26 INTEGRATED DNA TECHNOLOGIES: RECENT DEVELOPMENTS

TABLE 27 NEW ENGLAND BIOLABS: OVERVIEW

TABLE 28 NEW ENGLAND BIOLABS: RECENT DEVELOPMENTS

TABLE 29 ORIGENE TECHNOLOGIES, INC.: OVERVIEW

TABLE 30 ORIGENE TECHNOLOGIES, INC.: RECENT DEVELOPMENTS

## List Of Figures

### LIST OF FIGURES

- CHART 1 RESEARCH METHODOLOGY OF GLOBAL GENOME EDITING MARKET
- CHART 2 GLOBAL GENOME EDITING MARKET REVENUE, 2018–2025 (\$MILLION)
- CHART 3 PORTER'S 5 FORCES ON GLOBAL GENOME EDITING MARKET
- CHART 5 GLOBAL GENOME EDITING MARKET SEGMENTATION
- CHART 6 MARKET DYNAMICS – DRIVERS, RESTRAINTS & OPPORTUNITIES
- CHART 7 DRO - IMPACT ANALYSIS OF GLOBAL GENOME EDITING MARKET
- CHART 8 KEY STAKEHOLDERS OF GENOME EDITING MARKET
- CHART 9 GENOME EDITING MARKET SEGMENT REVENUE BY TECHNOLOGY TYPE, 2018 VS 2025 (\$MILLION)
- CHART 10 CRISPR GENOME EDITING MARKET REVENUE 2018–2025 (\$MILLION)
- CHART 11 CRISPR GENOME EDITING MARKET REVENUE, BY REGION 2018 (%SHARE)
- CHART 12 TALEN GENOME EDITING MARKET REVENUE 2018–2025 (\$MILLION)
- CHART 13 ZFN GENOME EDITING MARKET REVENUE 2018–2025 (\$MILLION)
- CHART 14 OTHER GENOME EDITING MARKET REVENUE 2018–2025 (\$MILLION)
- CHART 15 GENOME EDITING MARKET SEGMENT REVENUE. BY APPLICATION TYPE, 2018 VS 2025 (\$MILLION)
- CHART 16 CELL LINE ENGINEERING MARKET REVENUE 2018–2025 (\$MILLION)
- CHART 17 GENETIC ENGINEERING MARKET REVENUE 2018–2025 (\$MILLION)
- CHART 18 GENETIC ENGINEERING MARKET REVENUE, BY APPLICATION TYPES, 2018–2025 (\$MILLION)
- CHART 19 OTHER GENOME EDITING MARKET REVENUE 2018–2025 (\$MILLION)
- CHART 20 GENOME EDITING MARKET SEGMENT REVENUE BY END USERS, 2018 (%)
- CHART 21 TOP PUBLISHING ORGANIZATIONS FOR RESEARCH IN LIFE SCIENCE GENOME EDITING
- CHART 22 GENOME EDITING MARKET BY REGIONAL SEGMENTATION, 2018 VS 2025 (\$MILLION)
- CHART 23 GENOME EDITING MARKET REVENUE IN NORTH AMERICA, 2018–2025 (\$MILLION)
- CHART 24 GENOME EDITING MARKET REVENUE IN EUROPE 2018–2025 (\$MILLION)
- CHART 25 GENOME EDITING MARKET REVENUE IN ASIA PACIFIC, 2018–2025 (\$MILLION)
- CHART 26 GENOME EDITING REVENUE IN REST OF THE WORLD, 2018–2025

(\$MILLION)

CHART 27 THERMO FISHER SCIENTIFIC: OVERVIEW SNAPSHOT

CHART 28 THERMO FISHER SCIENTIFIC: BUSINESS UNITS

CHART 29 THERMO FISHER SCIENTIFIC: GEOGRAPHIC PRESENCE

CHART 30 THERMO FISHER SCIENTIFIC: SWOT ANALYSIS

CHART 31 GENSCRIPT CORPORATION: OVERVIEW SNAPSHOT

CHART 32 GENSCRIPT CORPORATION: BUSINESS UNITS

CHART 33 GENSCRIPT CORP.: GEOGRAPHIC PRESENCE

CHART 34 GENSCRIPT CORPORATION: SWOT ANALYSIS

CHART 35 SANGAMO THERAPEUTICS, INC.: OVERVIEW SNAPSHOT

CHART 36 SANGAMO THERAPEUTICS, INC.: SWOT ANALYSIS

CHART 37 LONZA GROUP: OVERVIEW SNAPSHOT

CHART 38 LONZA GROUP: BUSINESS UNITS

CHART 39 LONZA GROUP: GEOGRAPHIC PRESENCE

CHART 40 LONZA GROUP: SWOT ANALYSIS

CHART 41 HORIZON DISCOVERY GROUP PLC: OVERVIEW SNAPSHOT

CHART 42 HORIZON DISCOVERY GROUP PLC: BUSINESS UNITS

CHART 43 HORIZON DISCOVERY GROUP PLC: GEOGRAPHIC PRESENCE

CHART 44 HORIZON DISCOVERY GROUP PLC: SWOT ANALYSIS

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