

## Market Analysis for Stem Cell Research , Cell and Gene Therapy Conference 2021

The global stem cells market is expected to grow at an incredible CAGR of 25.5% from 2015 to 2022 and reach a market value of US\$297 billion by 2022. The emergence of Induced Pluripotent Stem cells as an alternative to ESCs (embryonic stem cells), growth of developing markets, and evolution of new stem cell therapies represent promising growth opportunities for leading players in this sector. Due to the increased funding from Government and Private sector and rising global awareness about stem cell therapies and research are the main factors which are driving this market. A surge in therapeutic research activities funded by governments across the world has immensely propelled the global stem cells market. However, the high cost of stem cell treatment and stringent government regulations against the harvesting of stem cells are expected to restrain the growth of the global stem cells market.

Whereas the Europe Stem cell market is estimated to grow at a CAGR of 9.45% by the end of the forecast period of 2018-2026. The market is chiefly progressing due to increasing R&D investments in adult stem cell research in the region, ease of administration and the growing incidences of chronic disease due to the changing lifestyles of the population. The countries analyzed in the Europe Stem cell market are UK, France, Germany, Spain, Italy and rest of Europe. Most of these countries have a stable economic environment, enabling their population to spend more on their health. In this report, the Europe stem cell market has been segmented based on technology, product and applications. At present, the regenerative medicine application accounts for a high revenue share. Because of their use in regenerative therapies, stem cells are increasingly finding applications in the fields of neurological and hematological disorders, and in areas such as organ transplants, Crohn's disease, systemic lupus, and infertility.

The worldwide Stem cell & regenerative medicines market is functional with several parameters like product type, application, sources, geography and users. In focused to the product type stem cells market is divided into human embryonic stem cells, adult stem cells, iPsc's, etc. Whereas, regenerative medicines applied the potential of these stem cells to regenerate, repair & replace tissues or the organ which are affected due to injury, natural aging process, and some diseases. Oct 03, 2019 (The Expresswire) -- The Stem Cell Therapy Market report covers industry chain analysis, latest market trends & dynamics along with cost profit analysis of major key players which focuses on expansion rate, prices, competition, size, prices, and value chain analysis of those leaders in the market. The report cov-

ers the market landscape and its development prospects over the coming years. The Stem Cell Therapy Market 2019 report provides realistic and purposeful details of the market, that assist you in promoting ideas with research-based factors. It offers in-depth data, improves variations of the worldwide Stem Cell Therapy Market to help you in deciding the final strategy. It features far-reaching information in terms of changing market dynamics, manufacturing trends, structural changes in the market, and the latest developments. Stem Cell Therapy Market to grow at a CAGR of 36.52% during the period 2017-2021.

### Stem Cell Market

The stem cell market is experiencing growth, owing to the increasing number of clinical trials around the world. North America, especially the United States, dominated the number of trials undergoing in stem cell therapies. The United States dominates the market in both the products and banking services segments, holding around 77.4% of the total North American market. However, Asia-Pacific is growing at the highest growth rate. Stem cells are majorly used in regenerative medicine, especially in the field of dermatology. However, oncology is expected to grow at the highest growth rate, due to a large number of pipeline products present for the treatment of tumors or cancers. With the increase in the number of regenerative medicine centers, the stem cell market is also expected to increase in the future. Stem cell therapy is the use of stem cells for the treatment or prevention of a disease or condition. Bone marrow transplant is the widely-used stem cell therapy, followed by therapies derived from umbilical cord blood. Research is being undertaken to develop various sources (such as cord blood cells, bone marrow, and skin) for stem cells, and to apply them to various disorders like neurodegenerative diseases and conditions such as heart disease, diabetes.

Market analysts forecast the global stem cell therapy market to grow at a CAGR of 36.52% during the period 2017-2021.

Stem cells banking is gaining importance with the support of government initiatives. The number of stem cell banks is increasing in developing countries, which is aiding the growth of the market. Also, increasing awareness about stem cell storage among the people has positively affected the market. Currently, the market is not well established in many therapeutic areas and has shown nascent success in history. However, it holds great potential in both the diagnosis and therapeutic fields.

### Scope of the Report

The scope of this market is limited to tracking the stem cell market. As per the scope of this report, stem cells are biological cells that can differentiate into other types of cells. Also, various types of the stem cells are used for therapeutic purposes.

#### Key Market Trends

##### **Oncology Disorders Segment is Expected to Exhibit Fastest Growth Rate Over the Forecast Period**

Cancer has a major impact on society in the United States and across the world. As per the estimation of National Cancer Institute, in 2018, 1,735,350 new cases of cancer were anticipated to get diagnosed in the United States, and 609,640 deaths were expected from the disease. This increasing medical burden is due to population growth. Bone marrow transplant or stem cell transplant is a treatment for some types of cancers, like leukemia, multiple myeloma, neuroblastoma, or some types of lymphoma. Embryonic stem cells (ESC) are the major source of stem cells for therapeutic purposes, due to their higher totipotency and indefinite lifespan, as compared to adult stem cells with lower totipotency and restricted lifespan. However, the use of ESCs for research and therapeutic purposes is restricted and prohibited in many countries throughout the world, due to some ethical constraints. Scientists from the University of California, Irvine, created the stem cell-based approach to kill cancerous tissue, while preventing some toxic side effects of chemotherapy by treating the disease in a more localized way.

Although the market shows positive growth, due to the growing focus of stem cell-based research that can further strengthen the clinical application, its expensive nature for stem cell therapy may still hamper its growth.

##### **North America Captured The Largest Market Share and is Expected to Retain its Dominance**

North America dominated the overall stem cell market with the United States contributing to the largest share in the market. In 2014, the Sanford Stem Cell Clinical Center at the University of California, San Diego (UCSD) Health System, announced the launch of a clinical trial, in order to assess the safety of neural stem cell-based therapy in patients with chronic spinal cord injury. Researchers hoped that the transplanted stem cells may develop into new neurons that could replace severed or lost nerve connections, and restore at least some motor and sensory functions. Such numerous stem cell studies across the United States have helped in the growth of the stem cell market.

##### **Competitive Landscape**

The stem cell market is highly competitive and consists of several major players. In terms of market share, few of the major players currently dominate the market. The presence of major market players, such as Thermo Fisher Scientific, Qiagen NV, Sigma Aldrich (A Subsidiary of Merck KGaA), Becton, Dickinson and Company, and Stem Cell Technologies, is in turn, increasing the overall competitive rivalry in the market. The product advancements and improvement in stem cell technology by the major players is increasing the competitive rivalry.