14TH WORLD CONGRESS ON ADVANCES IN STEMCELL RESEARCH AND REGENERATIVE MEDICINE.

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Regenerative Medicine 2020 welcomes the researchers and developers, professionals who are studying or analysing in the fields of Stem Cell, Genetics, Regenerative Medicine, Cell Biology, etc., and other associated organizations to participate in the event and grasp knowledge about the recent researches regarding stem cell and regenerative medicine and their analysis. This conference will consist of the keynote talks, session talks, oral presentations, poster presentations, B2B networking etc. The aim of this global conference is to promote the recent advances in Stem Cell Therapy Research with its applications as well as the cell and gene therapy which stands as the new therapeutic approaches. The conference will also support and motivate the young researchers in the fields of Stem Cells and Genetics Research to meet the new advancements.

The global stem cell market size was estimated at USD 8.65 billion in 2019 and is anticipated to expand at a CAGR of 8.8% over the forecast period. Despite being a controversial concept, stem cells have gained significant attention from multidisciplinary community of scientists. Elements that have impact the growth of this market are huge success of regenerative medicine as well as exponential growth in ongoing research. The technology has gained importance over the years as it is directly associated with regenerative medicine and treatment of diseased organs and damaged tissues. Research activities targeted at development of biomaterial systems that are polymeric in nature have witnessed a rise in recent years. These methodologies function as a niche aiding in development of survival of stem cell.

This is set to open new avenues for the application of advanced technologies in wound healing therapy, propelling the market growth. Revolutionary innovations aimed at increasing the supply of Induced Pluripotent Stem Cells (iPSCs) and biomaterial development used in stem cell transplantation. Such advancements enable researchers to generate pluripotent stem cells from adult somatic cells which further help preserve genetic information within these cells.

Increased research activity has revolutionized the “clinical trial in a dish” in areas that are dominated by the personalized medicine approach. In addition, prevalence of disorders treatable with the help of this technology is expected to continue in near future. According to the Wide Cells Group, between 2005 and 2013, there has been a 300% increase in the number of diseases that can be treated by stem cells.

Research on exploiting full potential of stem cells proves to be the key driving factor for the growth of the market. Companies are also funding research activities focused exclusively on application in regenerative medicine. Understanding the role of stem cells, funding bodies continue to increase their investment for accelerating research. However, an ethical concern coupled with public perception in context to stem cell research at different phases of research is anticipated to impede the implementation of stem cell therapy to a certain extent.