

Delving into Stem Cell Research and its Potential 2018

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Abstracts

Stem cells are primal cells found in all multi-cellular organisms that retain the ability to renew themselves through mitotic cell division and can differentiate into a wide range of specialized cell types.

As stem cells can be readily grown and transformed into specialized cells with characteristics consistent with cells of various tissues such as muscles or nerves through cell culture, their use in medical therapies has been proposed. In particular, embryonic cell lines, autologous embryonic stem cells generated through therapeutic cloning, and highly plastic adult stem cells from the umbilical cord blood or bone marrow are touted as promising candidates.

There exists a widespread controversy over stem cell research that emanates from the techniques used in the creation and usage of stem cells. Human embryonic stem cell research is particularly controversial because, with the present state of technology, starting a stem cell line requires the destruction of a human embryo and/or therapeutic cloning.

Aruvian Research brings you an entire in-depth study of a very niche subject in the wide field of stem cells – Stem Cell Research and its Potential 2018. The report looks at the various types of stem cells which exist and the different benefits each of them offer. The much-talked about embryonic stem cell research and adult stem cell research is discussed in-depth in the report. A separate section covers all the medical uses of stem cell research as well as exploring the potential of stem cell research and therapies.

Challenges, barriers, benefits of stem cells, a look at the global approach to stem cell research, and an analysis of the leading players in this industry are what make this report a must-have!



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