Editorial

iMedPub Journals
http://journals.imedpub.com

Journal of Stem Cell Biology and Transplantation
ISSN : 2575-7725

2020
Vol. 4 ISS. 3 : e 26

DOI : 10.21767/2575-7725.4.3.26

Stem Cell Research, Cell and Gene Therapy 2020 - Past Conference Report

Meetings International is Organizing International Stem Cell Research, Cell and Gene Therapy organized in Paris, France during July 20, 2020. Stem cell Research, Cell and Gene Therapy Conference 2020 has extensive sessions in which the main Keynote presentation, YRF (student presentation), Oral, Posters, E-poster presentations. To share their valuable presentation on the most recent and advanced techniques, development and latest updates, a world-renowned speaker and prominent representative representatives from all over the world participate in the conference. On that note, Stem cell Conference 2020 invites all interested participants to this prestigious event.

The Theme of the Webinar is Bridging the Gap from Basic Cell Science to Advanced Cellular Therapies for a Better Life .

Keywords

Scientific Sessions of Stem Cell 2020 includes Cell Therapy , Gene Therapy, Molecular Medicine, Immunotherapy, Genetic Medicine, Rare Diseases and Orphan Drugs, Cell Therapy Bioprocessing , Clinical and Translational Research, Technologies in Stem Cell Research , Stem Cell Research and Regenerative Medicine , Cell &Gene Therapy Development and Production, Cellular and Technological Breakthroughs in Cancer.

Track 1: Cell Therapy

Cell therapy or cytotherapy is the transfer of cells into a patient with a goal of improving the disease. From beginning blood transfusions were considered to be the first type of cell therapy to be practised as routine. Later, Bone marrow transplantation has also become a well established concept which involves treatment of many kind of blood disorders including anemia, leukaemia, lymphoma and rare immunodeficiency diseases.

Track 2: Gene Therapy

Gene Therapy basically involves the introduction or alteration of genetic material within a cell or organism with an intention of curing the disease. Both cell therapy and gene therapy are overlapping fields of biomedical research with the goals of repairing the direct cause of genetic diseases in DNA or cellular population respectively.

Track 3: Molecular Medicine

Molecular medicine is a branch of medicine that develops ways to diagnose and treat diseases by understanding the ways genes, proteins and other cellular molecules work. It is a broad field where physical, chemical, biological, bioinformatics and medical techniques are used to describe molecular structures and mechanisms, identify fundamental molecular and genetic errors of the disease, and to develop molecular interventions to correct them.

Track 4: Immunotherapy

Due to rapidly advancing field of cancer immunology in past few years, there has been production of several new methods of treating cancer called Immunotherapies. Immunotherapy is a type of treatment that increases the strength of immune response against tumours either by stimulating the activities of specific components of immune system or by counteracting signals produced by cancer cells that suppress immune responses.

Track 5: Genetic Medicine

Genetic Medicine or Medical Genetics is the branch of medicine that differs from human genetics, and involves the diagnosis and management of hereditary disorders. Human genetics may or may not apply to medicine, but medical genetics refers to the application of genetics to medical care. Genetic Medicine basically involves different areas such as gene therapy, personalized medicine, predictive medicine and the rapidly emerging new medical specialty.

Track 6: Clinical and Translational Research

According to National institute of health (NIH), Clinical Research is defined in 3 ways i.e. (1) Patient oriented research. Research which is conducted with human subjects (or on material of human origin such as tissues, specimens and cognitive phenomena) for which an investigator (or colleague) directly interacts with human subjects.

Track 7: Cell Therapy Bioprocessing

Cell Therapy bioprocessing activity mainly focuses to accelerate the safe, cost- effective translations and clinical efficacious of Cell therapies into commercial products. This activity covers the entire range of cell therapy activities as well as tissue engineering

In order to succeed, commercial success of at least a few late-stage products are required to develop which will be funded to develop next generation tools and technologies for this field. Recent achievements include, preclinical filing for Phase 1 clinical trials for cell therapy in acute spinal cord injury, clinical proof of concept studies in tissue- engineered trachea, clinical trials for tissue-engineered larynx and routine clinical practice in the regeneration of corneas.

Track 8: Cell & Gene Therapy Development & Production

Cell and Genetherapy products manufacturing focuses on vari-

ous strategies like the manufacturing process must protect the product, patient, should focus on product characterization, process control, high throughput and parallel processing to achieve scale. The process/analytical development throughout clinical trials involve on going, iterative development of manufacturing process and characterization of profile and FDA expecting increasing control and characterization as clinical development progresses.

Track 9: Rare Diseases & Orphan drugs

Rare diseases are life-threatening or chronically debilitating conditions, affecting no more than 5 in 10,000 persons in the European Community according to the Regulation (EC) N. 141/2000 of the European Parliament and of the Council. It is estimated that between 6000 to 8000 distinct rare diseases affect up to 6% of the total EU population. Therefore, these conditions can be considered rare if taken individually but they affect a significant proportion of the European population when considered as a single group.

Track 10: Stem Cell Research and Regenerative Medicine

Stem cells can self-renew themselves and differentiate or develop into more specialised cells. They are the foundation for every organ and tissue in our body. Due to this ability of the stem cells, they have tremendous promise to help us understand and treat a wide range of diseases, injuries and other health related problems.

Track 11: Technologies in Stem Cell Research

Stem cell technology is now a days a rapidly emerging field that combines the efforts of cell biologists, clinicians and geneticists. This offers a hope for effective treatment for a variety of malignant and non-malignant diseases. Research has also shown that other than hematopoeticstem cells there are stem cells present in other sites.

Track 12: Cellular and Technological Breakthroughs in Cancer

Cancer is a process where the cells grow aberrantly and this growth of cancer cells results in damage of normal tissues, causing loss of function and often pain.

Stem Cells market seems to be constantly trending subject matter with Modern day Research technologies. Everyone who explores to strengthen their Knowledge and gain extended about advanced technical cleverness is to welcome present/get new ideas. We Provide a good opportunity by admiring your updated Research and also by Publishing it in our Respective Journals. We assure our attendees return to their place with the self-belief to improve their abilities and outfitted with certified approaches to work with us. This meeting will allow the attendees to acquire these new updates and share their experiences with well recognised speakers globally.

Stem Cell Research Paris , brings an Opportunity to attend the presentations delivered by eminent scientists, researchers, experts from all over the world and Participation in sessions on specific topics on which the conference is expected to achieve progress. It brings Global networking in transferring and exchanging Ideas. Share your excitement in promoting new ideas, developments and innovations in the field of

Stem Cell Research 2020 will be scheduled on a wide range of topics and it will be helpful for the scientific fraternity to be connected while staying at their preferred place. Join the Conference organized by us and let the world know about your research and innovation.

Market Analysis

The global Stem Cell 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 (iPS) 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.