

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

Meetings International organized 6th International Conference on 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.