

Editorial Note- Genetics and Molecular Biology 2021

Genetics and Molecular Biology warmly welcomes the researchers and developers, professionals who are studying or analyzing 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 Genetics 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 researches in the field of Genetics Research to meet the new advancements.

We sincerely hope that would serve as an international platform, creating new opportunities in the Stem Cell and Regenerative Medicine Research.

The Theme of the Conference is Innovative trends in Molecular biology

Scientific Sessions of Genetics 2021

- Genomics
- Cancer Genomics
- Molecular Biology
- Plant Genomics and Molecular Plant Sciences
- Structural Biology
- Stem Cell Biology
- Human Genomics

Genetics 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.

Genetics 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 Molecular biology.

Market Analysis Report

Genetics & Molecular Biology is an interdisciplinary field that applies the principles of engineering and life sciences toward the development of biological substitutes that restore, maintain, or improve tissue function or a whole organ. Regenerative medicine is not one discipline. It can be defined as a therapeutic intervention which “replaces or regenerates human cells, tissues or organs, to restore or establish normal function” and deploys small molecule drugs, biologics, medical devices and cell based therapies. Currently it has emerged as a rapidly diversifying field with the potential to address the worldwide organ shortage issue and comprises of tissue regeneration and organ replacement. Regenerative medicine could potentially save public health bodies money by reducing the need for long-term care and reducing associated disorders, with potential benefits for the

world economy as a whole. The global genetic Engineering and regeneration market reached \$17 billion in 2013. This market is expected to grow to nearly \$20.8 billion in 2014 and \$56.9 billion in 2020, a compound annual growth rate (CAGR) of 22.3%. On the basis of geography, Europe holds the second place in the global market in the field of regenerative medicine & tissue engineering. In Europe countries like UK, France and Germany are possessing good market shares in the field of regenerative medicine and tissue engineering. Spain and Italy are the emerging market trends for tissue engineering in Europe.

Importance & Scope: Genetic engineering is “an interdisciplinary field that applies the principles of engineering and life sciences toward the development of biological substitutes that restore, maintain, or improve tissue function or a whole organ. Currently it has emerged as a rapidly diversifying field with the potential to address the worldwide organ shortage issue and comprises of tissue regeneration and organ replacement. A novel set of tissue replacement parts and implementation strategies had shown a great revolution in this field. Cells placed on or within the tissue constructs are the most common methodology in tissue engineering. Regenerative medicine is not one discipline. It can be defined as a therapeutic intervention which “replaces or regenerates human cells, tissues or organs, to restore or establish

normal function” and deploys small molecule drugs, biologics, medical devices and cell based therapies. This field continues to evolve. In addition to medical applications, non-therapeutic applications include using tissues as biosensors to detect biological or chemical threat agents, and tissue chips that can be used to test the toxicity of an experimental medication. Tissue Engineering and Regenerative Medicine is the major field in Medicine, which is still under research and the advancements are maximizing day to day.

Genetics & Molecular Biology 2021 is an engrossed a vicinity of cognizant discussions on novel subjects like Stem Cell–Tools to Battle Cancer, Tissue Regeneration, Materials & Designs for Tissue Engineering, Bioreactors in Tissue Engineering, Regeneration & Therapeutics, Cord Blood & Regenerative Medicine and Clinical Medicine, to mention a few. The two days event implants a firm relation of upcoming strategies in the field of Stem Cell & Regenerative Medicine with the scientific community. The conceptual and applicable knowledge shared, will also foster organizational collaborations to nurture scientific accelerations. We bring together business, creative, and technology leaders from the tissue engineering, marketing, and research industry for the most current and relevant.