Your donation will help develop radical new cell and gene therapies that leverage the body’s own biology and immune system to control and ultimately eradicate cancer. 100% of donations directly support scientists working on breakthrough cancer cell and gene therapy research.

New data presented at the American Society of Gene & Cell Therapy (ASGCT) Virtual Meeting demonstrate the potential of ARU-1801 gene therapy for sickle cell disease (SCD). A team led by Michael Grimley, MD, of Cincinnati Children’s Hospital Medical Center, reported on findings from the ongoing Phase 1/2 MOMENTUM study, which is evaluating the safety and efficacy of the new investigational

In cell therapy, this need is magnified because of the demand for cell and gene therapy products. The report the Market for Cell and Gene Therapy Contract Manufacturing Organizations (CMOs)

BOSTON, May 13, 2021 /PRNewswire/ -- The Boston R&D Center and GeneLeap Biotech, two subsidiaries of Luye Life Sciences Group, took part in the 24th American Society of Gene & Cell Therapy (ASGCT)

Revolutionary cell and gene therapies offer significant promise to treat life threatening diseases. Bio-Techne is in this journey with you. As a full-solution ancillary reagent, services, and instrument provider, we will stand by you, providing flexible and pioneering tools to simplify your workflow at every step of the manufacturing process.

CAR-T therapy is a groundbreaking form of gene and cell therapy in which a patient’s own immune cells are isolated, genetically rewired in the laboratory with certain therapeutic properties, and

The global cell and gene therapy clinical trials market size is expected to reach USD 45.4 billion by 2028, according to a new report by Grand View Research, Inc. It is expected to expand at a

Gene therapy 1. A promising future to disease treatment BY, DAMARIS BENNY DANIEL I Msc. Zoology 2. Gene therapy is the introduction of genes into existing cells to prevent or cure a wide range of diseases. It is a technique for correcting defective genes responsible for disease development. The first approved gene therapy experiment occurred on September 14, 1990 in US, when Ashanti DeSilva

Human gene therapy seeks to modify or manipulate the expression of a gene or to alter the biological properties of living cells for therapeutic use 1. Gene therapy is a technique that modifies a

In mouse models of sickle cell disease, therapeutic globin expression after gene addition was difficult to obtain, presumably because of competition with endogenous β-globin messenger RNAs. 11 ln

Gene therapy is the therapeutic delivery of a gene into a patient’s cells to treat disease. What makes this therapy so promising is the potential it has to address the underlying cause of disease, providing single-dose therapy with long-lasting results.

CAR-T therapy is a groundbreaking form of gene and cell therapy in which a patient’s own immune cells are isolated, genetically rewired in the laboratory with certain therapeutic properties, and

He was a member of the team that published the first approved human gene transfer experiment in 1990, and was also the first to report the successful use of T-cell receptor gene therapy for the
Join us October 12-14 for the 2021 Cell & Gene Meeting on the Mesa - a three-day conference aimed at bringing together senior industry executives with leading scientific researchers in the cell and gene therapy sector.

The Center for Biologics Evaluation and Research (CBER) regulates cellular therapy products, human gene therapy products, and certain devices related to cell and gene therapy.

Gene therapy is a medical field which focuses on the genetic modification of cells to produce a therapeutic effect or the treatment of disease by repairing or reconstructing defective genetic material. The first attempt at modifying human DNA was performed in 1980 by Martin Cline, but the first successful nuclear gene transfer in humans, approved by the National Institutes of Health, was...

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In this on-demand webinar Cell & Gene Chief Editor Erin Harris talks with Dr. Mark Gilbert, SVP of R&D at Acepodia, Thomas Lequertier, Head of Cell Therapy Manufacturing Unit at Celyad Oncology, and Luděk Sojka, Ph.D., Chief Technology Officer at SOTIO, about the innovations in manufacturing that can reduce both costs and risks.

Cell therapy uses cells removed from a patient or a donor as a treatment for that patient. Most often these are stem cells, which might be altered genetically. The removed cells or donor cells are treated with gene therapy and then returned to the patient. They may be injected, grafted or implanted into the patient.