



**SCIFINITI**  
PUBLISHING



# Cell Therapy & Engineering Connect

ISSN: 3105-3866

Vol. 2, 2026



Open Access Peer-Reviewed Journal Specialized in  
**Cell-Based Therapy and Cell Engineering**

Editor-in-Chief

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# Cell Therapy & Engineering Connect

A Journal Specialized in Cell-Based Therapy & Cell Engineering

Volume: 1, 2025

## Subject Categories

Molecular Biology

Tissue Engineering and Regenerative Medicine

Synthetic Biology

## Target Audience

Cell Therapy & Engineering Connect is tailored for researchers, clinicians, scientists, and engineers dedicated to advancing the field of cell engineering through innovative research in genetic engineering, stem cell technologies, cell-based therapies, tissue engineering, immunoengineering, and neuroengineering for applications in healthcare and biotechnology.



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## Message from EiC

The transition from 2025 to 2026 marks more than a change of calendar for Cell Therapy & Engineering Connect; it signals our passage from the foundation of Volume 1 into the promise of Volume 2. I am deeply grateful to the authors, reviewers, and editorial board whose dedication established a vibrant open-access forum for cell engineering, genetic and stem cell technologies, tissue and immunoengineering, and emerging living therapeutics. Your contributions demonstrated that rigorous science and responsible translation can advance together. As we enter this new volume, we invite the community to be even more ambitious—to share bold ideas, reproducible methods, and interdisciplinary perspectives that define the next generation of therapies. Volume 2 will strive for wider collaboration, regional and global impact, and closer connection with clinical reality. I encourage you to join us in shaping this new era and the discoveries it will bring.

## Aims and Scope

The *Cell Therapy & Engineering Connect* is a peer-reviewed, open-access journal, that aims to publish cutting-edge research and innovative approaches in the rapidly evolving field of cell engineering. This journal serves as a platform for advancing knowledge in the manipulation, design, and application of cells for therapeutic and diagnostic purposes.

# Key Topics

The scope of the journal includes, but is not limited to, the following key areas:


- **Genetic Engineering and Synthetic Biology:** Investigating techniques such as genome editing, CRISPR technology, and synthetic biology for disease modeling, gene therapy, metabolic engineering, and the development of novel cell-based systems.
- **Stem Cell Engineering:** Covering advancements in stem cell research, including the development of organoids, disease models, and organs-on-a-chip for drug discovery, personalized medicine, and regenerative therapies.
- **Cell-based Therapy:** Exploring cell-based therapeutic approaches like CAR-T cell therapy, immune cell modulation, and the use of engineered cells for the production of therapeutic agents.
- **Tissue Engineering and Regenerative Medicine:** Focusing on the creation and regeneration of tissues and organs through bioengineering methods, including scaffold design, bioprinting, and stem cell integration.
- **Immunoengineering:** Examining the interface between immune cells and engineered systems, including innovations in cancer immunotherapy, vaccine development, and autoimmune disease treatment.
- **Neuroengineering:** Investigating the engineering of neural cells and tissues to develop treatments for neurodegenerative diseases, brain injury, and other neurological conditions.
- **Cellular Mechanobiology:** Designing and manipulating the physical, chemical, and biological conditions surrounding cells to control their behavior, growth, and function for applications in tissue engineering, regenerative medicine, and disease modeling.
- **Biomufacturing:** Producing engineered cells for practical applications and/or producing therapeutic agents (DNA/RNA, proteins, exosomes, and so on) by using engineered cells.
- **AI in Cell Engineering:** Using AI in cell engineering to optimize gene editing, predict cellular behaviors, analyze large-scale biological data, automate cell culture processes, and enhance the precision of techniques like CRISPR by identifying target genes more efficiently.


By providing a multidisciplinary platform, **Cell Therapy & Engineering Connect** welcomes original research articles, reviews, and case studies related to cell engineering.



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