

Special Issue

New Advances in Tissue Engineering and Regeneration

Message from the Guest Editors

Tissue engineering and regenerative medicine represent rapidly advancing fields of biomedical research, aiming to restore, replace, or enhance the function of damaged or diseased tissues. These interdisciplinary fields combine principles from cell biology, materials science, and bioengineering to develop biologically functional constructs through the combination of scaffolds, cells, and bioactive molecules. This Special Issue has the intention to highlight the latest innovations, interdisciplinary strategies, and translational efforts in tissue engineering and regeneration, with the final goal of addressing unmet medical needs, focusing on the concept of “from bench to bedside”. We invite contributions that explore novel biomaterials, advanced fabrication techniques, cell-based therapies that aim to propose solutions for tissue repair and organ regeneration. We encourage original research articles and reviews that reflect cutting-edge science and technology, with the final goal of accelerating the progress toward effective regenerative therapies.

Guest Editors

Dr. Giorgia Borciani

RAMSES Laboratory for Personalized Regenerative Medicine for the Musculoskeletal System, Rizzoli Orthopedic Institute, Bologna, Italy

Dr. Giorgia Montalbano

Department of Applied Science and Technology, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy

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Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

Editors-in-Chief

Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,
Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

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Copenhagen, Denmark

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).