

Special Issue

The Role of the Extracellular Matrix in Tissue Development, Repair, and Disease

Message from the Guest Editors

The extracellular matrix (ECM) is a complex network of proteins and molecules that provides scaffolding and mechanical support to tissues. Topics of interest include the molecular mechanisms behind cell–ECM interactions; ECM remodeling in specific diseases such as cancer, fibrosis, and cardiovascular disease; mechanobiology and force transmission; the therapeutic targeting of ECM components; and applications in biomaterials and tissue engineering.

This Special Issue of *Cells* will highlight communication between cells and the ECM in physiological and pathological conditions. Contributions should discuss the impact of the ECM or ECM components on tissue development, remodeling, or disease states, including studies on the effects of biochemical and physical signaling inputs on the remodeling of the ECM by cells or through cell signaling due to variation in the ECM's composition or presentation.

Guest Editors

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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.

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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).