

Special Issue

The Interactions Between Cells and Their Microenvironment

Message from the Guest Editors

The interactions between cells and their microenvironment play a crucial role in regulating various physiological and pathological processes. The microenvironment comprises not only the extracellular matrix but also various types of cells, such as stromal and immune cells, as well as the signaling molecules and metabolic products that they secrete. These components of the microenvironment significantly influence cells' behavior, differentiation, and function, impacting tissue development, homeostasis, and disease progression, including in conditions such as cancer, fibrosis, and inflammatory diseases. This Special Issue aims to uncover the mechanisms of cell–microenvironment interactions, with a particular emphasis on how stromal cells contribute to these processes. We therefore especially encourage submissions focusing on stromal cells and their role in the microenvironment. We welcome research exploring the molecular and cellular mechanisms of these interactions, novel experimental approaches, and innovative therapeutic strategies targeting the cell microenvironment.

Guest Editors

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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