

Special Issue

Cancer and Immune System Interactions

Message from the Guest Editors

Cancer and immune system interactions play a crucial role in shaping tumor development and progression. The immune system continuously interacts with cancer cells, not only detecting and eliminating malignant cells but also, under certain conditions, supporting tumor growth, immune evasion, and resistance to therapy. Understanding how these immune responses are modulated within the tumor microenvironment is critical to developing new strategies for cancer prevention, diagnosis, and treatment. This Special Issue invites original research and reviews that explore the diverse roles of the immune system in cancer biology. We welcome studies investigating immune surveillance, inflammation-driven tumor initiation and progression, and the mechanisms that regulate immune activity within the tumor microenvironment. Submissions focused on immune-based therapies—such as checkpoint inhibitors, adoptive cell transfer, cancer vaccines, or novel immunomodulatory agents—are also strongly encouraged, particularly those that shed light on mechanisms of response, resistance, or therapeutic synergy.

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).