Special Issue

The Impact of Immune Activation on Hematopoiesis

Message from the Guest Editors

Hematopoiesis is the dynamic and adaptable process of blood cell generation in the bone marrow, which can be modulated by a variety of conditions. Immune cells generated by hematopoiesis can impact blood cell generation through a variety of effector mechanisms. How immune activation impacts hematopoiesis is a topic of increasing interest. Immune activating conditions can induce the generation of blood cells that differ in quantity and quality. The aim of this special issue is to provide a combination of reviews and research papers, in which the impact of distinct types of immune activation on the hematopoietic process is addressed. The following is a non-exhaustive list of conditions that would fit this topic: Infection (viral, bacterial, fungal); Sterile inflammation; Autoimmune diseases; Autoinflammatory diseases; Graft vs host disease; Anti-tumor responses; TIL & CAR therapy; Microbial dysbiosis; Ageing; Vaccination. We hope that the topics presented will improve our understanding on how bone marrow output can be affected, and lead to novel treatment for anemia or bone marrow diseases.

Guest Editors

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Deadline for manuscript submissions

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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2024).