

Special Issue

Hematopoiesis and Stem Cells

Message from the Guest Editors

Since the pioneering studies of McCulloch and Till that marked the beginning of modern experimental hematology, over five decades of extensive research have yielded a tremendous wealth of information about the biology of the hematopoietic stem cell (HSC) compartment and the molecular mechanisms that govern its development and homeostasis, and have led to clinical applications of HSCs in the treatment of a variety of congenital and acquired disorders of the hematopoietic system. However, several aspects of HSC biology remain only partially understood, or controversial. This Special Issue of *Cells* aims to collect qualified contributions to shed additional light on our understanding of these cells. Therefore, we invite you to submit original research articles or reviews in all areas of HSC research, in particular focused on topics including, but not limited to:

- HSC heterogeneity
- Interactions between HSCs and the microenvironment in development, adult life and malignancies
- Influence of metabolism on HSC fate choice
- Epigenetic regulation of normal and malignant HSCs
- Stem cells in hematopoietic malignancies: biologic features and targeting strategies

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2020)



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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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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).