**DESCRIPTION**

*Experimental Hematology* is the official Journal of the International Society for Experimental Hematology.

*Experimental Hematology* brings you original research articles and current, authoritative reviews on all aspects of hematology, with emphasis on the biology of normal and malignant hematopoiesis, as well as non-malignant hematologic disorders. Additionally, the journal covers submissions with clear relevance to hematology in the following topic areas: non-hematopoietic stem cells (e.g. mesenchymal stem cells, embryonic stem cells and induced pluripotent stems); translational or early phase clinical studies, disease pathogenesis or therapy; and novel techniques or animal models, genomics and systems biology analyses of hematological networks.

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Aim and scope

Experimental Hematology publishes original research reports (regular and fast-track submissions), reviews, perspectives, letters to the editor, and abstracts of the annual meeting of ISEH - International Society for Experimental Hematology. We welcome manuscripts describing basic in vitro and in vivo research centered on normal and malignant hematopoiesis as well as non-malignant hematologic diseases. Submissions focused on non-hematopoietic stem cells (e.g. mesenchymal stem cells, embryonic stem cells and induced pluripotent stems) with potential relevance to hematopoiesis are also welcome, as are studies involving experimental or early phase clinical cell transplantation. Studies employing genomic and systems biology approaches to the study of normal and malignant hematopoiesis are strongly encouraged, as are those employing model organisms.

Types of articles

Research articles will be published under the following scientific categories: Stem Cells (hematopoietic, mesenchymal, embryonic and induced pluripotent stem cells); Experimental Stem Cell Transplantation; Normal Hematopoiesis (myelopoiesis, erythropoiesis, lymphopoiesis, megakaryocytopoiesis); Malignant Hematopoiesis; Microenvironment and Niche; Systems Biology; Genomics/Proteomics of Hematopoiesis; Immunobiology and Immunotherapy; Gene Therapy; Clinical Investigations (stem cell or other cell transplant related therapies); New Techniques and Technologies.

Regular Submissions: These are full-length reports of original research. We welcome articles on a range of topics with particular interest in those covering regulation and development of normal hematopoietic stem cells, stem cell expansion and self-renewal; novel sources of hematopoietic cells including embryonic stem cells and reprogrammed induced pluripotent stem cells; hematopoietic progenitors and differentiation control; growth factors/receptors and signal transduction; genomics, transcription factors and epigenetics; mechanisms of hematopoietic transformation; properties of leukemic stem cells and novel therapeutic targets; the hematopoietic niche/microenvironment; homing and engraftment of hematopoietic stem cell; immunotherapy of hematologic malignancy; non-malignant hematopoietic disease; application of model organisms to the study of hematopoiesis, and new techniques/methods and technology for hematopoiesis investigation. Studies centered on cell transplantation, both at the pre-clinical/experimental and early clinical stage are also of high priority.

Brief communications: We also welcome articles on the same range of topics as outlined for regular submissions, but that can be reported in a shorter format. Brief communications are intended to allow publication of highly significant findings reported concisely, and not of incomplete or preliminary data. As with regular submissions, brief communications are expected to provide mechanistic insights, elucidate novel disease biology or approaches to therapy. Brief communications should contain a maximum of 1,500 words exclusive of the abstract, figure legends and references. Format can be as for regular submissions, but a combined Results and Discussion section is encouraged. Only 3 figures/tables and 30 references are allowed.

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