



EXPERIMENTAL HEMATOLOGY

Journal for Hematology, Stem Cell Biology and Transplantation
Official Publication of the ISEH - International Society for Hematology

AUTHOR INFORMATION PACK

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DESCRIPTION

Experimental Hematology publishes new findings, methodologies, reviews and perspectives in all areas of hematology and immune cell formation on a monthly basis that may include Special Issues on particular topics of current interest. The overall goal is to report new insights into how normal blood cells are produced, how their production is normally regulated, mechanisms that contribute to hematological diseases and new approaches to their treatment. Specific topics may include relevant developmental and aging processes, stem cell biology, analyses of intrinsic and extrinsic regulatory mechanisms, in vitro behavior of primary cells, clonal tracking, molecular and omics analyses, metabolism, epigenetics, bioengineering approaches, studies in model organisms, novel clinical observations, transplantation biology and new therapeutic avenues.

Experimental Hematology publishes 2 types of articles: (1) Reviews and Perspectives (4,000 words), and (2) original findings sub-classified either as Brief Communications of significant singular results (1,500 words), and longer Research Articles presenting the results of more developed studies (4,000 words).

For additional details on manuscript submission, please see *Experimental Hematology* online at www.exphem.org.

Address correspondence to the Editor-in-Chief:

Connie J. Eaves, PhD, *Experimental Hematology*, **Terry Fox Laboratory, BC Cancer Research Centre, 675 West 10th Avenue, Vancouver BC V5Z 1L3, Canada.**
E-mail: ceaves@bccrc.ca

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Experimental Hematology publishes new findings, methodologies, reviews and perspectives in all areas of hematology and immune cell formation on a monthly basis and may include Special Issues on particular topics of current interest. The overall goal is to report new insights into how normal blood cells are produced, how their production is normally regulated, mechanisms that contribute to hematological diseases and new approaches to their treatment. Specific topics may include relevant developmental and aging processes, stem cell biology, analyses of intrinsic and extrinsic regulatory mechanisms, in vitro behavior of primary cells, clonal tracking, molecular and omics analyses, metabolism, epigenetics, bioengineering approaches, studies in model organisms, novel clinical observations, transplantation biology and new therapeutic avenues. *Experimental Hematology* publishes 2 types of articles: (1) *Reviews and Perspectives* (4,000 words), and (2) original findings sub-classified either as *Brief Communications* of significant singular results (1,500 words), and longer *Research Articles* presenting the results of more developed studies (4,000 words). For additional details on manuscript submission, please see *Experimental Hematology* online at www.exphem.org.

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.

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