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.

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AUDIENCE

Hematologists, Oncologists, Transfusion Scientists, Immunologists, Cell Biologists and Marrow Transplanters

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To find out more, please visit the Preparation section below.

Aim and scope
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.

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/tabs and 30 references are allowed.

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Reviews and Perspectives: Review Articles are summaries of a topic of interest to Experimental Hematology's broad readership. Perspectives are articles discussing significant topics and controversies relevant to the field of hematology and stem cells, generally from a more personal or
opinion-based standpoint than a Review Article. Review Articles and Perspectives are welcomed by the journal and are generally solicited by the Editor-in-Chief; however, authors wishing to submit an unsolicited Review Article or Perspectives are invited to contact the editorial office prior to submission.

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**Reporting guidance**
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Sex generally refers to a set of biological attributes that are associated with physical and physiological features (e.g., chromosomal genotype, hormonal levels, internal and external anatomy). A binary sex categorization (male/female) is usually designated at birth ("sex assigned at birth"), most often based solely on the visible external anatomy of a newborn. Gender generally refers to socially constructed roles, behaviors, and identities of women, men and gender-diverse people that occur in a historical and cultural context and may vary across societies and over time. Gender influences how people view themselves and each other, how they behave and interact and how power is distributed in society. Sex and gender are often incorrectly portrayed as binary (female/male or woman/man) and unchanging whereas these constructs actually exist along a spectrum and include additional sex categorizations and gender identities such as people who are intersex/have differences of sex development (DSD) or identify as non-binary. Moreover, the terms "sex" and "gender" can be ambiguous—thus it is important for authors to define the manner in which they are used. In addition to this definition guidance and the SAGER guidelines, the resources on this page offer further insight around sex and gender in research studies.

**Authorship**

All authors should have made substantial contributions to all of the following: (1) the conception and design of the study, or acquisition of data, or analysis and interpretation of data, (2) drafting the article or revising it critically for important intellectual content, (3) final approval of the version to be submitted.

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