

Special Issue

Molecular Research on Myeloproliferative Disorders

Message from the Guest Editors

The Philadelphia chromosome-negative myeloproliferative neoplasms (MPNs) are chronic hematological malignancies which include polycythemia vera, essential thrombocythemia, and primary myelofibrosis. Authors are invited to submit original research and review articles which address the progress and current standing of the pathobiological pathways leading to MPNs.

Topics include, but are not limited to:

1. Identification of novel genetic lesions.
2. Insights provided by the genetic lesions on prognosis, risk stratification and personalized therapies.
3. Hematopoietic stem cell abnormalities that may be exploited for therapy.
4. Abnormalities in the interactions between the malignant HSC and their supportive microenvironment which drive disease progression.
5. Role of the progeny (megakaryocytes, neutrophils, macrophages, and mast cells) of the malignant HSC in shaping the malignant HSC supportive microenvironment.
6. The inflammasome and disease progression.
7. Advances in the diagnostic tools (Imaging, single cell sequencing, multi-plex single cell cytokine profiling, machine deep learning).
8. Novel animal models.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2023)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

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