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Pathogenesis and Natural History of Myeloproliferative Neoplasms

Guest Editor:

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Message from the Guest Editor

Myeloproliferative Neoplasms (MPNs) are a heterogeneous group of clonal hemopoietic stem cell disorders with unique clinical-pathological and molecular features.

Over the last decades, the field of MPNs has undergone dramatic changes, as a consequence of a better understanding of their biology and natural history. Driver genetic events (e.g. BCR-ABL1 fusion gene; JAK2, CALR and/or MPL mutations) and MPN-related molecular derangements have been widely characterized and have fostered the development of new target therapies. MPNs are thus a paradigmatic example of how the integration of basic sciences and applied research expands our knowledge of human diseases and improves their clinical management.

Within this framework, this Special Issue will address the pathogenesis, molecular biology and natural history of Chronic Myeloid Leukemia, Essential Thrombocythemia, Polycythemia Vera, Primary Myelofibrosis and cutaneous/systemic Mastocytsosis .

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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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