

## Special Issue

# Myelofibrosis and Myeloproliferative Neoplasms: Molecular Basis

### Message from the Guest Editors

The myeloproliferative neoplasms (MPN) are a group of rare chronic disorders characterized by the clonal proliferation of one or more blood cell lines in the myeloid lineage, and include primary myelofibrosis (PMF), chronic myeloid leukemia (CML), polycythemia vera (PV), essential thrombocythemia (ET), chronic neutrophilic leukemia (CNL), chronic eosinophilic leukemia not otherwise specified (CEL-NOS), and MPN unclassifiable (MPN-U).

Knowledge of the molecular basis of MPNs has helped identify targets for directed therapy. The constitutive activation of tyrosine kinases in hematopoietic stem cells is a common molecular basis of the MPNs, with tyrosine kinase inhibitor therapy (such as imatinib, dasatinib, ruxolitinib or midostaurin) used with varying degrees of success to treat MPN. Other molecular mechanisms have also been revealed and numerous agents in various stages of development as single or combination therapies.

In this Special Issue we are particularly to address developments in our understanding of the molecular basis of myelofibrosis and the MPNs, as well as manuscripts related to the keywords listed below.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2020)



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 10.0  
Indexed in PubMed



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Molecular Sciences*  
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MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
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