

Special Issue

Molecular Research on Chronic Myeloid Leukemia

Message from the Guest Editor

Until 20 years ago, before the advent of the era of tyrosine kinase therapies (TKI), chronic myeloid leukemia (CML) was a deadly hematological malignancy with a median survival of 3–5 years, with its only curative approach being allogeneic stem cell transplantation. Recent major technological advances, including novel stem cell models, single cell transcriptome/RNAseq data, and novel LSC/niche interaction methodologies allow currently unprecedented insight into the phenomenon of LSC persistence and heterogeneity and may lead to the identification of novel targets and future curative strategies in the current decade. In this Special Issue of *IJMS*, we aim to present contributions that shed light on the different mechanisms of CML stem cell persistence via the use of novel stem cell models and single cell experimental data as well as the identification of novel LSC–niche interactions and the molecular mechanisms involved in LSC persistence and resistance in CML.

Guest Editor

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