

The [JAK2](#)-targeting drug [fedratinib](#) and the BRD4 degrader [dBET6](#) induced [apoptosis](#) and suppressed proliferation in Myeloproliferative Neoplasm stem cells. Together, MPN stem cells display a unique [phenotype](#), including [cytokine receptors](#), immune checkpoint molecules, and another clinically relevant target [antigens](#). Phenotypic characterization of neoplastic stem cells in MPN and sAML should facilitate their enrichment and the development of better, stem cell-eradicating (curative), therapies ¹⁾.

¹⁾

Ivanov D, Milosevic Feenstra JD, Sadovnik I, Herrmann H, Peter B, Willmann M, Greiner G, Slavitsch K, Hadzijusufovic E, Rülcke T, Dahlhoff M, Hoermann G, Machherndl-Spandl S, Eisenwort G, Fillitz M, Sliwa T, Krauth MT, Bettelheim P, Sperr WR, Koller E, Pfeilstöcker M, Gisslinger H, Keil F, Kralovics R, Valent P. Phenotypic Characterization of Disease-Initiating Stem Cells in JAK2- or CALR-mutated Myeloproliferative Neoplasms. Am J Hematol. 2023 Feb 22. doi: 10.1002/ajh.26889. Epub ahead of print. PMID: 36814396.

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