

## Special Issue

# Pathogenesis and Treatment of Leukemia and Myelodysplastic Syndromes

### Message from the Guest Editor

Therapeutic strategies of acute myeloid leukemia and myelodysplastic syndromes improved the five past years. The last past years, treatment were based on anthracycline plus aracytin combinations in fit patients and hypomethylating agents in unfit patients. We observed a wonderful transfer from the bench to the patients. The scope of the special issue is to describe biological studies identifying all the targets and results of clinical trials validating the interest to inhibit these targets. This special issue will focus on bcl-2 inhibitors, TP53 targeting, IDH1 inhibition, IDH2 inhibition, FLT3 inhibitors, CD33 targeting, CD123 targeting and hedgehog pathway inhibition. Several collaborations between scientists, chemists and physicians changed and continue to modify therapeutic strategies of these two hemopathies. Democratization of genomic tools allows to identify new targets and accelerate the transfer to the patients. Personalized treatment become real and conduce an improvement of patient's outcome and quality of life.

### Guest Editor

Dr. Thomas Cluzeau

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### Editor-in-Chief

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