

## Special Issue

# Biomarkers in Hematological and Oncological Malignancies: Identification, Validation and Involvement in Molecular Pathways

### Message from the Guest Editor

The identification and validation of biomarkers in hematological and oncological research are an intensely active field of medical research. In recent years, an increasing number of novel biomarkers were identified thanks to the advent of high-throughput technologies for genomics, proteomics, transcriptomics analyses. However, much work is still needed for their validation as well as identification of the altered molecular pathways in which they are involved. In this context, research biobanks will have a critical role in supporting the identification and validation of biomarkers as well as for accelerating their translation into clinical practice, other than supporting the reproducibility of data thanks to the harmonization of the procedures applied in sample processing. The aim of this special issue is to present scientific contributions including but not limited to the following arguments: biobanks for supporting translational research; identification and validation of biomarkers involved in leukemogenesis and oncogenesis; prospective evaluation of biomarkers for precision medicine and personalized medicine; biomarkers identification and validation.

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### Guest Editor

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## International Journal of Molecular Sciences

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