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Advances and Applications of Regulatory Genomics in Multiple Myeloma

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Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editor

This Special Issue will mainly focus on the study and application of the several layers of genetic regulation that are fundamental for multiple myeloma development, progression, extramedullary disease, resistance and relapse.

Potential topics include but are not limited to:

- Defining and characterising the myeloma and myeloma bone marrow's microenvironment epigenome and its changes during disease progression
- The correlation between genetic and epigenetic alterations to define myeloma subgroups
- The role of non-coding genome in myeloma development and progression
- The role of microRNA in myeloma development and progression
- The role of epigenetic regulation in myeloma plasticity
- Epi-drugs and their application in myeloma therapy
- Recent advances in epigenetic biomarkers for their use in diagnostics, patients' stratification and prognosis
- Use of epigenetic/gene-regulatory drugs for target resistance and relapse (pharmacological, immune or cellular therapy)
- Single-cell multi-omics approaches to define gene-regulatory networks



mdpi.com/si/182772

Special Issue



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Message from the Editor-in-Chief

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