



Genome Structure, Function and Dynamic Regulation of Cell Fate

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Message from the Guest Editors

The cell nucleus is a sophisticated system, housing chromatin organized into territories and domains. It allows for simultaneous reactions and functions, essential for cellular specialization. Within the nucleus, biomolecules like RNA, proteins, and enzymes float freely, actively or passively transported to precise interaction points. This interplay of genome organization, structure, and dynamics is a breakthrough in research. Recent advancements have illuminated how genetic information is encoded and regulated, while epigenetic pathways impact chromatin organization. This Special Issue seeks cutting-edge research on chromatin remodeling, epigenetic regulation, DNA damage response, and transcriptional control, and their impact on cell fate. Contributions from global researchers are invited.





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Message from the Editor-in-Chief

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