



The Interplay between 4D Genome, Transcription Factors, and Epigenetics in Transcriptional Regulation

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Message from the Guest Editor

Recent technological advances, such as in the field of development and improvement of chromosome conformation capture techniques, as well as in the field of genomics, have strengthened our knowledge of 3D chromatin organization in various cell types, diseases, and organisms. Moreover, there is an increasing effort to unravel the 4D genome (the study of spatiotemporal 3D chromatin organization). At the same time, transcription factors and epigenetic mechanisms are known to play an important role in the control of gene expression. However, the interplay between 3D/4D chromatin architecture, transcription factors and epigenetics, and their combined effect in proper transcriptional regulation in developmental or differentiation processes, as well as in diseases, is still under heavy investigation.

Therefore, the aim of this Special Issue is to present recent advances (research articles, new or improved chromosome conformation capture techniques, and reviews) aiming to unveil the aforementioned interplay.





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Message from the Editor-in-Chief

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