

## Special Issue

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

### 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.

### Guest Editor

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### Deadline for manuscript submissions

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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