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Transcriptional Regulatory Mechanisms in Health and Disease

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editor

Transcriptional regulation includes certain epigenetic mechanisms involving methylation and modification of DNA and RNA molecules, histone PTMs, action of non-coding RNAs, chromatin remodeling, nucleosome positioning, as well as interaction of *trans*-acting factors with *cis*-regulatory elements.

Transcriptional control is important for the proper process of embryonic development, organogenesis, and stem cell differentiation, with key roles in keeping our body in a health state. Accordingly, mis-regulation of transcriptional gene regulation leads to human disease.

The aim of this Special Issue is to serve as an overview platform for the latest discoveries in transcriptional gene regulation in development and disease, covering both original research and review articles. Post-transcriptional studies that involve the mechanistic basis of transcript turnover and/or transcript stability are also welcome. Studies that connect cellular function and signaling molecules to transcriptional gene regulation in development, health, and disease, as well as studies that report on the generation of novel model systems for transcriptional reporter assays are also welcome for submission.



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Special Issue



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