

Special Issue

Gene Expression and Chromatin Biology

Message from the Guest Editors

This Special Issue will include recent experimental papers as well as timely review articles centered around the regulation of gene expression in eukaryotic organisms. The dynamic regulation of gene expression is a fundamental process of the cell, which impacts on its adaptation and survival upon environmental changes and guarantees the execution of developmental programs. This field of investigation has experienced many technical advances in recent years, including the precise mapping of the interactions between transcriptionally engaged proteins with chromatin, determination of the dynamic nature of histone modifications and nucleosome movements, and the visualization of the transcriptional process in real-time and at the single cell- and single transcript-level, among others. Thus, we are getting closer to truly understanding the dynamic interplay of transcription factors, histone marks, basal transcription machinery, co-activator and co-repressor complexes, mRNA modification/export complexes, and how these components coordinate timely and fine-tuned responses of gene expression upon intrinsic and extrinsic cellular stimuli.

Guest Editors

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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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