Special Issue

Editorial Board Members' Collection Series: High-Resolution Fluorescence Microscopy and Epigenetics

Message from the Guest Editors

As is widely recognized, chromatin affords a landscape where the activity state of the genome is modulated and perpetuated. Knowledge of the multiscale genome organization and multifaceted gene regulation is still in its infancy. Yet, techniques able to map genomic regions with increasing spatial resolution have made considerable progress in the last two decades. Among others, a crucial contribution was given by high-resolution fluorescence microscopy, particularly in the so-called super-resolution mode. Indeed, several fluorescence imaging techniques are intimately suited to address the meso- and nanoscale of chromatin organization by reporting on functional molecular parameters, such as the chemical identity, the concentrations, the molecular aggregations, the local chromatin topology, and the diffusion/binding processes. **In this Special Issue, we welcome original research or review articles related to all aspects of high-resolution fluorescence microscopy applied to investigate epigenetic mechanisms and chromatin remodeling, including studies on DNA methylation, modification of histones, the assembly of transcription machinery, and non-coding RNAs.**

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Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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