

Special Issue

Epigenetic Programming of Cellular States

Message from the Guest Editor

Within complex multicellular organisms, cells undergo defined transcriptional regulation to differentiate and dedifferentiate into unique and essential cell types. Underlying these transcriptional changes are epigenetic changes including chromatin remodeling, histone modifications, and modulation of DNA methylation and small non-coding RNAs. Recent advances in this field have significantly expanded its potential for artificial reprogramming in regenerative medicine, disease modeling, and drug discovery. This Special Issue aims to capture studies profiling the associations of epigenetic changes with cellular programming in both in vivo and ex vivo model systems. Moreover, studies in non-model organisms or development of experimental systems capable of inducing or preventing cellular reprogramming are also welcome. Both research and review articles are welcome. We look forward to your contributions.

Guest Editor

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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