Special Issue

CRISPR-Tools in Epigenetic Research

Message from the Guest Editor

This Special Issue will examine these approaches, including methods for the targeted manipulation of individual chromatin marks (epigenome editing, epigenetic engineering); the conditional manipulation of global chromatin features; targeted gene expression changes (CRISPRa, CRISPRi, transcriptional engineering); the generation of artificial transcription factors, epigenetic and epigenomic screens; and technologies allowing for the multiplexing of effectors and/or targeting sites. This Special Issue will also cover the generation of reliable systems for quantitative readouts of cellular consequences and is open to studies that convincingly demonstrate that certain chromatin features do not affect gene expression alone.

Keywords

- epigenome editing
- CRISPR
- dCas9
- functional epigenetics
- chromatin
- transcriptional engineering

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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