

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

Guest Editor

Prof. Dr. Stefan H. Stricker

1. Reprogramming and Regeneration, Biomedical Center (BMC), Department of Physiological Genomics, Faculty of Medicine, LMU Munich, 80539 Munich, Germany

2. German Research Center for Environmental Health, Epigenetic Engineering, Institute of Stem Cell Research, Helmholtz Zentrum, 82152 Planegg-Martinsried, Germany

Deadline for manuscript submissions

closed (15 July 2023)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/119416

Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

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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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