Special Issue

CRISPR-Based Genome Editing Approaches in Cancer Therapy

Message from the Guest Editor

This Special Issue explores the role of CRISPR-based genome editing approaches in cancer therapy. Genome editing using RNA-guided programmable clustered regularly interspaced short palindromic repeats (CRISPR)-associated (Cas) nucleases has revolutionized genetic research, offering unparalleled speed, efficiency, and precision. Since its first application in mammalian cells more than a decade ago, the CRISPR toolbox has rapidly expanded, continuously offering novel genetic tools aiding disease modeling and therapeutic approaches.

We welcome submissions that harness novel advancements of CRISPR-technology aimed at improving cancer treatments, including but not limited to CRISPR-based genome editing in cancer cells, immunotherapy approaches using CRISPR technology, CRISPR diagnostics for early cancer detection and monitoring, or the use of functional genomic screens to identify novel cancer-driving genes. Studies highlighting the role of using CRISPR-based genome editing for anti-cancer treatments are of particular interest.

Guest Editor

Dr. Martin Pal

School of Dentistry and Medical Sciences, Charles Sturt University, Wagga Wagga, Australia

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

mdpi.com/journal/cells

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Message from the Editorial Board

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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Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE, Minneapolis, MN 55455, USA

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