Special Issue

Epigenetics of Cancer Evolution and Associated Resistance Emergence

Message from the Guest Editor

Cancer cells can evolve stepwise by accomplishing specific phenotypic changes that are instructed by inherited/acquired variants mediating adaptation to the cancer-blocking activities of the host or therapy. Besides the transcriptional control of the cell cycle and differentiation, additional and often quite general mechanisms may cooperate during this process. At a nuclear level, there is epigenetic regulation, which involves chromatin remodeling, histone modification and nucleosome assembly during DNA replication. At a cytoplasmic level, there exist multiple regulatory circuits involving metabolic and protein modification pathways. This journal Special Issue attempts to attract scientists who utilize and integrate multiple omics platforms in order to study cancer molecular evolution and the associated resistance emergence. Scientists that study cancer cells but also those utilizing normal cells with implications for cancer evolution or mouse models are encouraged to submit their work.

Guest Editor

Prof. Dr. Tomáš Stopka
First Medical Faculty, Charles University, 121 08 Prague, Czech Republic

Deadline for manuscript submissions

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

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