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Biocomputing and Synthetic Biology in Cells

Guest Editor:

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Deadline for manuscript submissions:

closed (28 September 2020)

Message from the Guest Editor

Dear Colleagues,

Biocomputing and synthetic biology have been two of the most exciting emerging fields in recent years. Biocomputing focuses on developing novel computational models beyond the Turing machine, such as DNA computing and membrane computing. It aims at to create a super machine in cells without any silicon. Synthetic biology, a more detailed extension of biocomputing, involves the design of circuits, simulations, and cell analysis. It is interdisciplinary, involving the chemical industry, biotechnology, computer science and mathematics.

For this Special Issue, we invite the submission of papers on new emerging topics or computational techniques in biocomputing and synthetic biology, particularly those involving interdisciplinary research.

Prof. Quan Zou

Guest Editor



mdpi.com/si/24979

Special Issue



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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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