Special Issue

RNA Functions Controlling the Integrity of DNA

Message from the Guest Editor

Despite remarkable advances in our knowledge about the molecular mechanisms that maintain genome stability in cells, the dynamics of many steps controlling the integrity of DNA remains poorly characterized. Most of the DNA in cells is transcribed into RNA, albeit to a different extent, suggesting that transcript RNAs have an intimate connection with many DNA transactions, including DNA damage and repair. Transcript RNAs interact with DNA not only before but also after DNA damage and participate in DNA repair mechanisms. In this Special Issue, we seek your contribution, either in the form of original research articles or reviews, on advancements of our understanding about the relationship between RNA and DNA molecules in genome integrity. Short or long manuscripts with either mechanistic or applied insights are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2021)

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About the Journal

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).