

Special Issue

Helicases in DNA Repair: From Molecular Mechanisms to Medical and Biotechnological Applications

Message from the Guest Editor

Helicases are a huge group of enzymes that utilizes ATP hydrolysis to unwind nucleic acid duplexes and plays an essential role in almost all aspects of nucleic acid metabolism, such as replication, transcription, and repair. This Special Issue will focus on helicases in DNA repair, which itself is a diverse biological process with different pathways for repairing various DNA damage. Defects in helicases and/or abnormal regulations of helicase expression or action have severe impacts on genome stability. Although helicases have been studied by many scientists worldwide since the middle of last century, new mechanisms of helicase action or even new helicase members continue to emerge.

Accordingly, applications of helicases in emerging biotechnologies and medicine continue to grow.

We encourage researchers that are interested in helicases, their role, and/or action in DNA repair, as well as their potential medical or industrial applications, to submit relevant research articles to this Special Issue.

Guest Editor

Prof. Dr. Li Fan

Department of Biochemistry, University of California, 900 University Avenue, Riverside, CA 92521, USA

Deadline for manuscript submissions

closed (23 May 2026)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/242093

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

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

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