

Special Issue

Tumor Mechanobiology and Translational Insights

Message from the Guest Editor

This Special Issue invites research and review articles exploring the intersection of mechanics and biology in cancer. Topics of interest include the following:

- Biophysical and biochemical interactions within the tumor microenvironment.
- ECM remodeling and its impact on tumor progression.
- Mechanical forces driving metastasis: invasion, intravasation, circulation, and extravasation.
- Cellular and molecular mechanisms of mechanotransduction in cancer.
- Advanced imaging and computational modeling of tumor mechanics.
- Personalized approaches to cancer therapy informed by mechanobiology.
- Interplay between mechanical forces and immune responses in cancer.

By highlighting interdisciplinary research, this Special Issue aims to uncover new avenues for therapeutic interventions and a deeper understanding of the physical forces driving cancer.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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