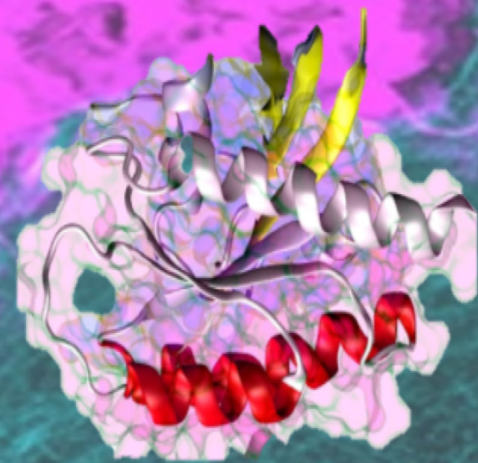


# Biophysical Journal Call for Papers



## Special Issue: Biophysics of Cancer

**Editors:** *Rajini Rao, Johns Hopkins University School of Medicine, USA*  
*Alemayehu Gorfe, University of Texas McGovern Medical School, USA*

Since the declaration of war on cancer five decades ago to the recent establishment of the National Cancer Institute's RAS initiative, biophysics has played a prominent role in addressing fundamental questions related to tumor formation, growth, and migration. Among the many critical contributions of experimental and computational biophysics to cancer biology are structure determination of key biomolecules involved in cancer, elucidation of their dynamics under normal and oncogenic conditions, and defining the mechanisms of intermolecular communications in various signal transduction pathways whose dysregulation causes cancer. These topics are central to the *Biophysical Journal's* traditional emphases on advanced experimental methods, quantitative models for physical and biological phenomena, connections between physics and materials science and biology, and thorough, rigorous evaluation of new ideas.

We are inviting contributions on experimental and computational studies of biomolecules relevant to cancer biology. These could include new experimental results, critical reviews of the state of the field, guides to the design and interpretation of experiments, and cell and molecular level explorations of the basic principles of cancer initiation and metastasis. Also of interest are articles describing the historical role and perspectives of biophysics in the study of cancer at the cellular, tissue, and organismal levels.

---

**Deadline for submission: January 31, 2022**

---

- Instructions for authors can be found at: <https://www.cell.com/biophysj/authors>
- Normal publishing charges will apply.
- General questions can be directed to the BJ Editorial Office at [BJ@biophysics.org](mailto:BJ@biophysics.org) or (240) 290-5600.

  
Biophysical Society

PUBLISHED BY  
**Cell**  
PRESS

To submit, visit <https://www.editorialmanager.com/biophysical-journal/>