

## Special Issue

# Cytoskeleton and Regulation of Mitosis

### Message from the Guest Editors

Entry and progression through mitosis requires extensive reorganization of the cytoskeleton. These cytoskeletal changes need to be tightly coupled with the main mitotic regulators to ensure that cells assemble a functional mitotic spindle, capture and correctly segregate chromosomes and finally, complete cytokinesis. In this Special Issue, we invite colleagues to submit both their original research articles and reviews on the crosstalk between cytoskeleton and mitosis. Topics of interest include, but are not limited to, microtubule dynamics, mitotic spindle assembly and disassembly, motor-proteins driven processes, chromosome motion, kinetochore–microtubule interface, kinases and phosphatases-based regulation, technology and methods for investigation and analysis of cytoskeleton and cell division. Bringing together the current work and views on cytoskeleton and regulation of mitosis, we aim to boost further exploration and better understanding of the processes that ensure faithful cell division.

### Guest Editors

Dr. Marin Barisic

1. Danish Cancer Society Research Center, Copenhagen, Denmark
2. Faculty of Health Sciences, Department of Cellular and Molecular Medicine, University of Copenhagen, Copenhagen, Denmark

Dr. Jorge Ferreira

I3S and Faculty of Medicine, University of Porto, Porto, Portugal

### Deadline for manuscript submissions

closed (30 November 2018)



## Biomolecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/si/15385](https://mdpi.com/si/15385)

*Biomolecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biomolecules@mdpi.com](mailto:biomolecules@mdpi.com)

[mdpi.com/journal/  
biomolecules](https://mdpi.com/journal/biomolecules)





# Biomolecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/journal/  
biomolecules](https://mdpi.com/journal/biomolecules)



## About the Journal

### 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.

---

### Editors-in-Chief

Prof. Dr. Peter E. Nielsen

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

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

---

### Author Benefits

#### Open Access

— free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)