



Cytoskeleton and Regulation of Mitosis

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Message from the Guest Editors

Dear Colleagues,

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.

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