

Special Issue

Microtubule Cytoskeleton, Motor Proteins, and Other Cytoskeleton-Associated Proteins

Message from the Guest Editor

This Special Issue invites original research articles, reviews, and short communications focusing on the Microtubule Cytoskeleton, Motor Proteins, and Other Cytoskeleton-Associated Proteins. Manuscripts should aim to elucidate the fundamental organization, assembly, and dynamic behavior of microtubules, while clarifying the mechanistic roles of motor proteins—such as kinesins and dyneins—in facilitating intracellular transport. In addition, authors are encouraged to explore the contributions of other cytoskeletal proteins to the regulation of structural integrity and cellular signaling. Topics may encompass cellular processes like mitosis, cell migration, and polarity, as well as insights into how disruptions in cytoskeletal organization can lead to disease. We welcome studies that employ advanced experimental techniques, high-resolution imaging, biochemical assays, and computational modeling to provide a comprehensive understanding of cytoskeletal regulation. This Special Issue seeks to bridge the gap between basic cellular insights and their translational applications, advancing our knowledge of cytoskeletal function and its impact on cell physiology and pathology.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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