

Special Issue

Advances in the Role of Cytoskeletal Proteins in Diseases

Message from the Guest Editor

This Special Issue aims to highlight cutting-edge research on how cytoskeletal dysfunction contributes to disease pathogenesis and explores emerging therapeutic strategies targeting these essential cellular components. We invite contributions that elucidate the molecular mechanisms by which actin, tubulin, intermediate filaments, and their associated proteins drive disease processes. Topics of interest include neurodegeneration-associated cytoskeletal defects, cytoskeletal alterations in cancer progression and metastasis, cardiovascular diseases linked to cytoskeletal dysfunction, and inherited disorders affecting cytoskeletal proteins. We also welcome studies on novel therapeutic approaches targeting the cytoskeleton, advanced imaging techniques for cytoskeletal analysis, and the interplay between cytoskeletal networks and cellular signaling pathways in disease contexts. Through this collection, we aim to advance our understanding of cytoskeletal biology in pathological states and identify new avenues for clinical intervention.

Guest Editor

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