Special Issue

Multifunctional Cytoskeleton Network in Human Diseases: Mutual Risk of Dementia, Cancer and COVID-19

Message from the Guest Editors

This Special Issue is intended to contribute significantly to the development of anti-COVID-19 strategies by collecting and publishing innovative concepts, suggestions and research data for the identification and validation of specific drug targets. This Issue focuses on the characterization of the SARS-CoV-2-cytoskeleton relationship emphasizing the importance of the destruction of the filament systems to viral pathogenesis. The virus-cytoskeleton relationship could be effectively and specifically modified by peptidomimetic foldamers, oligonucleotide-based aptamers or drug-like compounds used successfully as anti-viral or anti-mitotic agents for treatments of other diseases.

Keywords: coronaviruses; viral infection; cytoskeletal microtubules; physiological and pathological interactions; transmission and trafficking; drug targeting

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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