



Therapeutic Potential of Targeting Connexins in Managing Disease Onset and Progression

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Message from the Guest Editors

Cell contact, coupling, and communication are essential in maintaining normal physiological activity. Recent studies suggest that altered connexin expression and function are linked to remodeling of the extracellular matrix, integrin activation, and downstream purinergic signaling. As a consequence, changes in hemichannel and/or gap-junction connexin-mediated cell-to-cell communication are associated with inflammation and fibrosis, and have been linked to multiple diseases, including conditions of the heart, lung, liver, eye, and kidneys. In light of this, the potential impact of connexin-targeted therapeutics attracts considerable attention. In the current Special Issue, we will collectively highlight recent advances in the field of connexin biology, the link to disease development and progression, and the future therapeutic potential of connexin mimetics.





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