

Special Issue

Molecular Insight into Cell Signalling Proteins

Message from the Guest Editor

Many proteins are responsible for transmitting signals within cells and facilitating interaction with their neighbouring cells and microenvironment. For example, cellular differentiation, migration, growth, and survival, as well as morphogenesis and organogenesis, are some examples of how cells can regulate themselves, work together with their evolving environments, and respond to external and internal stimulus. Therefore, a wide range of ligands and receptors are paramount in conveying messages and promoting all dimensions of health. However, dysregulation of these signalling molecules and cascades can lead to the pathogenesis of many diseases. The nature and mechanisms of the defects in these signalling pathways can vary. Improving our knowledge on (1) the different aspects of the signalling pathways that orchestrate normal biological functions, and (2) underlying key mechanisms that contribute to different stages of disease progression, can advance our understanding of disease manifestation and how to target these pathways for therapeutic purposes.

Guest Editor

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