



AMP-Activated Protein Kinase Signalling

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Message from the Guest Editors

Starting from a kinase of interest, AMPK has gone far beyond an average biomolecule. Being expressed in all mammalian cell types and probably having a counterpart in every eukaryotic cell, AMPK has attracted interest in virtually all areas of biological research. Structural and biophysical insights have greatly contributed to a molecular understanding of this kinase. From the good old protein biochemistry to modern approaches, such as systems biology and advanced microscopy, all disciplines provided with important information. Thus, multiple links to cellular events and subcellular localizations have been established. Moreover, the involvement of AMPK in human health and disease has been evidenced. AMPK accordingly has moved from an interesting enzyme to a pharmacological target. However, despite our extensive current knowledge about AMPK, the growing community is more busy than ever. Authors are invited to submit manuscripts in all areas of recent and current AMPK research with an emphasis on work providing with molecular insight, including but not limited to novel physiological and pathological functions, or regulatory mechanisms.





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