

Special Issue

The Regulation of Phosphorylation-Dependent Signaling Pathways

Message from the Guest Editors

This collection welcomes original research articles, reviews, mini reviews, and perspective articles focused on mechanisms of crosstalk between phosphorylation-dependent signaling and other cellular signaling processes. Topics of interest include, but are not limited to, the following:

Biochemical, biophysical, or computational studies focused on the molecular mechanisms through which posttranslational modification affects kinase and phosphatase function;

Cellular mechanisms of crosstalk between phosphorylation-dependent signaling pathways and other cellular signaling processes, including cell-based studies, animal studies, and network modeling;

The development of new tools and experimental strategies to examine mechanisms of crosstalk between phosphorylation-dependent signaling and other cellular signaling processes (e.g., fluorescent biosensors, chemical biology tools, synthetic biology strategies);

Disease mechanisms linked to dysregulation of kinase and phosphatase function.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2024)



Life

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Impact Factor 3.4
CiteScore 6.0
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