



## Phosphoinositide Signaling and Evolution

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Deadline for manuscript  
submissions:

**closed (30 June 2023)**

### Message from the Guest Editor

Dear colleagues,

Phosphoinositides are relatively non-abundant phospholipids that are present in all eukaryotic cells, and they regulate almost all aspects of eukaryotic cell physiology. They serve as prominent second messengers or precursors of second messengers, membrane barcodes, cytosolic protein membrane recruiters, cell polarity tags, and ion channel co-factors, amongst other functions. Due to a complex set of dedicated kinases and phosphatases that result in their interconversion, they also function as molecular on–off switches regulating receptor signaling, membrane trafficking, and cytoskeletal reorganization.

This Special Issue on “Phosphoinositide Signaling and Evolution” aims to publish cutting-edge original research and review articles on the roles and functions of phosphoinositides in eukaryotic cells and advance our understanding of why these lipids gained such an important role in eukaryotic cell regulation during evolution. We also welcome submissions aiming at characterizing the roles of phosphoinositide kinases/phosphatases/phospholipases in human diseases. We look forward to receiving your contributions.





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## Message from the Editor-in-Chief

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