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Molecular Mechanisms and Regulation of Self-Assembly Pathways in the Cell

Guest Editor:

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Deadline for manuscript submissions: closed (31 July 2023)



Message from the Guest Editor

Self-assembly is a fundamental biological process that is involved in many cellular pathways, including endocytosis, infectious viral formation, and the formation of the cytoskeleton and other cellular structures. Understanding the molecular mechanisms and regulation of these pathways is crucial for the development of new therapies for diseases related to self-assembly, such as neurodegenerative diseases, prion diseases, cancer, cardiac diseases, and immune system disorders.

We invite researchers to submit original research articles, reviews that explore the latest advances and challenges in the molecular mechanisms and regulation of self-assembly pathways in the cell. Topics of interest include, but are not limited to:

- The control and spatio-temporal dynamics of selfassembly in cellular pathways.
- The molecular mechanisms and regulation of selfassembly in endocytosis and infectious viral formation.
- The molecular mechanisms and regulation of selfassembly in the cytoskeleton and other cellular structures.
- The role of self-assembly in neurodegenerative diseases, prion diseases, lysosomal storage diseases, cancer, cardiac diseases, and immune system disorders.



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Message from the Editor-in-Chief

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