



## Membrane-Less Organelles: A Modern Understanding of the Organization and Functioning of the Intracellular Space

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### Message from the Guest Editors

Dear Colleagues,

According to the current knowledge in modern cellular biology, membrane-less organelles play an important role in the organization of various intracellular processes. Membrane-less organelles arise due to the phase separation of biopolymers under appropriate conditions, and the decisive role in this process is played by intrinsically disordered proteins. Membrane-less organelles provide an important means of carrying out fine cellular organization and the regulation of various intracellular processes. The abnormal functioning of membrane-less organelles is often accompanied by the formation of amyloid fibrils. This opens up new approaches to studying the processes of fibrillogenesis and cell aging.

This Special Issue aims to collect original and review papers on membrane-less organelles. It is a study of the following: their mechanisms of functioning, their structure of during normal cell function; diseases and aging; the identification of factors that regulate changes in the activity and structure of membrane-less organelles; as well as any other studies related to this topic.

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# Special Issue



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## Message from the Editor-in-Chief

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