

Biological Assemblies: Phase Transitions and More

October 4–6, 2020 — Seville, Spain



Extended
abstract
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Cell Symposia



For many years, our understanding of the organization of major biological activities within the cell was limited to membrane-dependent compartmentalization. However, over the past few years a revolution in thought has been sweeping nearly the entire cell biology community. It is now becoming clear that many complex functions of the cell, and the multiple biochemical complexes that perform them, are highly organized and coordinated in non-membrane-bound molecular compartments. In some cases, we are uncovering the regulation and function of long-mysterious subcellular assemblages. In other cases, we are only beginning to appreciate that known biological activities function through organized structures.

We hope you can join us in Seville, where we will connect researchers across the breadth of cell biology studying the regulation and consequences of organization of large biological complexes throughout the cell. The focus will be on bringing together researchers working across the cell biology spectrum, including the cytoskeleton, stress granules, signaling clusters, the nuclear pore, transcription centers, chromatin, and more. Emerging concepts and technologies with broad applicability will be emphasized to help cross-pollinate new avenues of research for the diverse interests of conference attendees.

Organizers

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