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Membranous and Membraneless Interfaces—Origins of Artificial Cellular Complexity

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Deadline for manuscript submissions:

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Message from the Guest Editors

This Special Issue aims at collecting the most recent studies on artificial systems based on different types of compartmentalization. The final goal is the understanding of inter-cellular and intra-cellular mechanisms that contribute to the development of cellular complexity, revealing “emergent” properties occurring in cell and protocell systems. The Special Issue also includes research presentations on related experimental/theoretical investigations; thus, let us think deeply about how (proto)cells could emerge as molecular microcompartment systems that developed their own interfaces.

We would like to elicit the submission of articles (full articles, reviews, etc.) related to the broad subject of membrane and membraneless microcompartments, their physico-chemical features, their use as cell or organellae models and, in general, about the peculiar characteristics of compartment architectures. All types of approaches are welcome (experimental, theoretical, conceptual, numerical simulations, etc.).



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Special Issue



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Message from the Editor-in-Chief

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