Special Issue

Statistical Physics of Living Systems

Message from the Guest Editors

Possibly more than any other branch of Physics, Statistical Physics has greatly contributed to problems beyond the traditional boundaries of the physical sciences with a return in terms of new ideas, concepts, and models. Over the past few decades, the concepts and methods of Statistical Physics have found widespread application in biology, providing a complementing approach to more traditional, reductionist approaches. Such a holistic approach is particularly suited for understanding emergent phenomena in ecology, evolution, behavior, neuroscience, and beyond. In this Special Issue, we welcome contributions that apply Statistical Physics thinking to the description of living systems, from the molecular to the ecosystem scale. We strongly encourage interdisciplinary works, possibly merging theory, experiments, and biological data sets.

Guest Editors

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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