Special Issue

Information Theory and Biology: Seeking General Principles

Message from the Guest Editors

In this call for a Special Issue, we invite the community to submit original research or review articles on the use of information theoretical methods for investigating, discovering, or synthesizing general principles that increase our understanding of biological phenomena. The presentation of experimental results for which subsequent analysis can motivate the development of the field of information theory and the dialogue among disciplines is also encouraged. Information theoretical approaches to Covid-19 related questions will also be considered.

- Information theory
- Entropy
- Stochastic processes
- Robustness, heterogeneity and adaptation in biological processes
- Developmental biology
- Carcinogenesis
- Evolution
- Gene networks
- Signaling pathways
- Biological networks

Guest Editors

Prof. Dr. Alexandre Ferreira Ramos

School of Arts, Sciences and Humanities, University of São Paulo, São Paulo 01246-000, SP, Brazil

Prof. Dr. Gábor Balázsi

The Louis & Beatrice Laufer Center for Physical & Quantitative Biology, Rm 115C, Laufer Center, Z-5252, Stony Brook University, Stony Brook, NY 11794, USA

Deadline for manuscript submissions

closed (31 December 2022)

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Entropy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
entropy@mdpi.com

mdpi.com/journal/entropy

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About the Journal

Message from the Editor-in-Chief

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

Prof. Dr. Kevin H. Knuth
Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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