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## Complexity and Entropy in Biomedical Circuits and Systems

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Deadline for manuscript  
submissions:

**closed (15 April 2024)**

### Message from the Guest Editors

Complexity in biomedical circuits and systems is a burgeoning field of research that explores the intricate and dynamic interplay between biology and engineering.

This Special Issue aims to gather innovative ideas and effective methods based on entropy/information theory/complexity theory from the complex biomedical circuits and systems field. This Special Issue will accept unpublished, original papers and comprehensive reviews focused on (but not restricted to) the following research areas:

- entropy in biomedical systems;
- bio-sensing and microfluidics;
- information theory and bioinformatics;
- neural signal and information theory;
- AI and edge computing for healthcare;
- neuromorphic hardware;
- medical and surgical robots;
- brain and human–machine interfaces;
- personalized medicine;
- CMOS integrated circuit and systems.



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# Special Issue



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## Editor-in-Chief

### **Prof. Dr. Kevin H. Knuth**

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## 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.

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