

Review of: "Thermodynamics, Infodynamics and Emergence"

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Potential competing interests: No potential competing interests to declare.

This article is well written, organized correctly and it aims to present the foundations of thermodynamics, information, and emergence in complex systems. In the Introduction section the author describes the most basic concepts of his approach and that is very helpful and reasonable given the content of the paper.

Personally, I would like the division of the methodological part that is described inside the Introduction separately as to be easier to follow the logic and the proposition of the approach from the writer. Figures and images are very significantly helpful and comprehensible throughout the text and I would recommend some descriptions underneath them (captions) for the help of the reader.

But basically, it is quite fascinating the whole idea of the article for a proposition of a common approach to relate energy with information in an interdisciplinary context. I would like also some more information about the hypotheses that are presented as they are very limited in the current time and maybe some more examples in biomedical context. Generally, a very well-thought first idea for the emergence concept in complex systems.