Review of: "Rhythmic Oscillations and Resonant Information Transfer in Biological Macromolecules"

Ram Prasadh Narayanan[1]

1 Norwegian University of Science and Technology

Potential competing interests: No potential competing interests to declare.

The article reviews about a detailed analysis if macromolecular resonances and its effect on the inter-particle-interactions and subsequent information exchange. It is an interesting analysis where, every organism, and to an extent, artificial and man-made entities adhere to the physical rules of resonance, with resultant constructive or destructive interferences. But, it seems that the distinction between natural and external induced resonances, is not clearly explained. The authors, (and to an extend, the original work) seem to be vague in the explanation of what causes the resonance. Is it the binding factor between the molecules? Or is it any inherent property that the molecules hold? For instance, induced resonance (eg. synchronous marching on a bridge), could induce acoustic resonance, constructive or destructive in nature. Theoretically speaking, it is a complex process to determine individual molecular resonances and we still don't understand all the underlying parameters that contribute to the physics of the resonance in such small scales. The intended review opens the floor for counter-intuitive discussions.