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

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This is an interesting article discussing intermolecular interactions from a different view. Usually when we talk about macromolecular interactions, such as protein/protein, protein/DNA and so forth, we often think of hydrophobic interaction, electrostatic attraction, hydrogen bonds, Van der Waals forces, etc. This article reviewed rythmic oscillations of macromolecules may contribute to molecular interactions. Vibrational modes and oscillatory frequencies can facilitate molecular recognition and subsequent interaction, which is interesting and sensible. It would be nice if the authors could provide experimental evidence to support the view. Also, it would be more convincing if the authors could include more detailed discussions on the effects of molecular nature (polarity, orientation, 3D conformation, and so forth) on the oscillation frequency and molecular interaction.