

On the role of quantum theory at molecular scales of relevance to biology

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The biologists have until recently been dismissive of counter-intuitive aspects of the theory and feel it to be unnecessary, preferring their traditional ball-and-stick models of the molecular structures of life. Likewise, physicists have been reluctant to venture into the messy and complex world of the living cell. Therefore, they make use of quantum theory.

On the other hand, the perfect explanation of the relation between genetics and molecular biology, biological variety, protein folding and the origin of biological shapes, and so forth, is to need of quantum insight.

The discourse explores multiple theories of quantum mechanics, from superposition to reduction of wave function, and reveals this theory remains incredibly mysterious. Plus, watch out for explanation of the famous two-slit experiment of relevance to biology.