
What is the driving force for life's emergence?

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Abstract

This year marks the 60th anniversary of the publications in 1953 of both the double helix structure of DNA revealing the nature of genetic information and of the Miller-Urey's experiment showing that organic building blocks of life can be formed abiotically. But there is still no accepted scientific view to account for the origin of life process. Jacques Monod in "Chance and Necessity" proposed that the origin of life was an intrinsically improbable contingent event. But is it scientifically acceptable to give up researching considering that life originated from a violation of the 2nd Law? The presentation will be dedicated to show that inanimate matter and the living beings are not, in principle, separated by an impassable border, but are both manifestations of a world that is understandable through the laws of physics and chemistry and open to scientific investigation.

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