

Special Issue

Molecular Paradigm Iconoclasm

Message from the Guest Editor

The molecular sciences involve theoretical pillars, mechanistic paradigms that explain multiple phenomena in the biochemical and inorganic spaces. However, in time, many mechanistic explanations are found to be either incomplete or plainly incorrect. One example is the concept that DNA and RNA only exist to produce proteins rather than also serving as key cellular messaging molecules. Another was the notion that carbon monoxide (CO)-releasing molecules (CORMs) only exerted their effects via CO binding to heme groups attached to ion channels or molecules such as venom enzymes, instead of modifying proteins via CO-independent mechanisms. This Special Issue invites original works or review articles that describe novel mechanisms that challenge accepted paradigms of molecular interactions. A focus on biochemical paradigms is of special interest.

Guest Editor

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