

# Hydration in spatiotemporal organization of proteins

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Hydration effects on biological system are of utmost importance but their mechanisms are not fully understood yet. For example, hydration water modulates the folding, condensation, aggregation, and adsorption onto nanomaterials of proteins in solutions [1-5]. We will discuss these results within a multiscale approach we developed to calculate the water solvation contribution to the free energy of bio-nano complex matter [6-13].

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