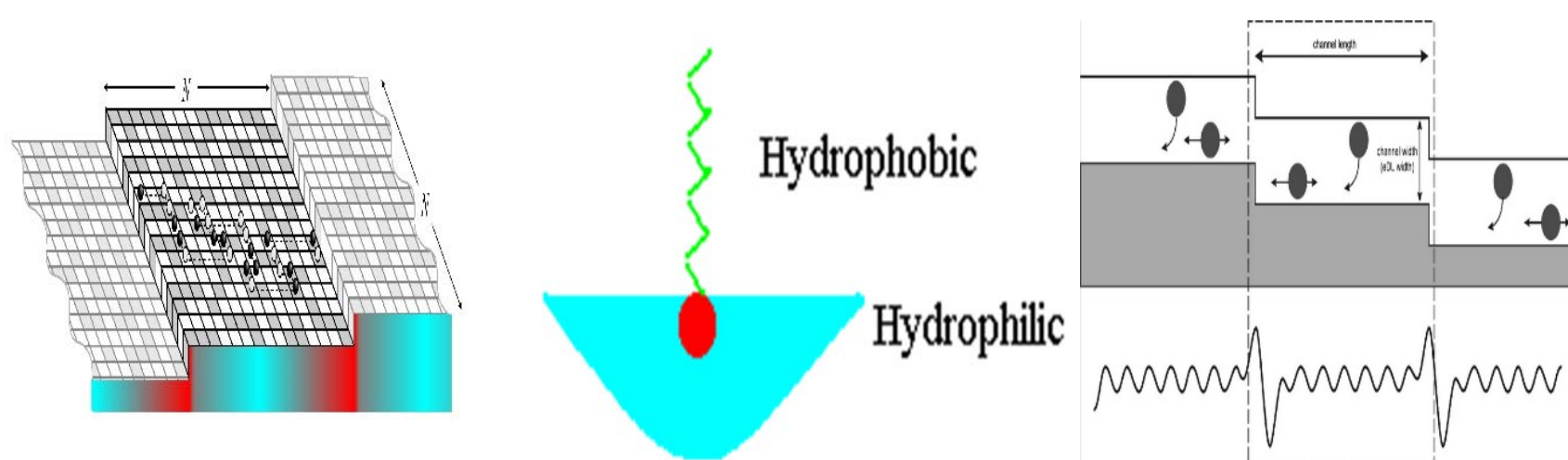


## Could One Grow Protein Type Crystals, And How To Make It Based On Models: A Thought Experiment Emphasizing Detail Inspection

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Our objective is to draw a protein (*lysozyme*) cluster-cluster aggregation affected and experimentally accessible view of ordered growth *with a low-dimensional catalyst* involved. Typically, an undesired aggregation of (bio)molecules is proved experimentally to be a side effect for crystallization conditions but it can be also beneficial when the aggregates emerge sufficiently ordered. The process involves geometry, and often possesses a certain entropy driven character, related presumably with the Ehrlich-Schwoebel barriers, albeit stochastic-kinetic effects merely show up in parallel at the crystal terraces [1-3].

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