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Current Research project: Encapsulation of proteins using block co-polymers

Objective: To design amphiphilic polymers to encapsulate and solubilize water-soluble proteins in organic solvents.

System under investigation- Organophosphorous Hydrolase

Techniques to be used: Molecular dynamics, Electrostatic calculations, Patchy models to investigate the effect of hydrophobicity and charge on protein aggregation

