

2. NON-COVALENT INTERACTIONS

- **Hydrophobic Effect**

Release of water molecule from structured solvation layer around the molecule as protein folds increased the net entropy.

- **Hydrogen Bond**

Interaction of N-H and C=O of peptide bond leads to local regular structures such as α -helix and β -sheets.

- **London Dispersion**

Medium range weak attraction between all atoms contributes significantly to the stability in the interior protein.

- **Electrostatic Interactions**

Long-range strong interactions between permanently charged groups.