



Biophysics

Seventh lecture

Self- assembly

Second stage

Department of medical physics

Al-Mustaqbal University-college

By M.Sc Rafal AL-Husseiny

M.Sc Zahraa Ali Naife



Self- assembly

1- What is Molecular self-assembly

Molecular self-assembly is a process by which molecules acquire a specific arrangement without any guidance or arrangement from an external source. There are two types of self-assembly, intramolecular self-assembly and intermolecular self-assembly.

2- Various forces

- Covalent bond (chemical bonding)
- Van der Waals
- Electrostatic force
- Hydrogen Bonding
- Magnetic
- Electrical force
- Hydrophobic