



# ***Biophysics***

## **Seventh lecture**

### **Self- assembly**

#### **Second stage**

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## 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