

























## SUMMARY

- Cell membrane acts as an integrative system by cross-talking of all molecular components in order to allow exchanges with the environmental
- Substance exchanges are done by membrane transport (through or with membrane):
  - Simple diffusion (nonpolar molecules, small polar molecules);
  - Facilitated diffusion (ions, larger polar molecules);
  - Active transport
  - Vesicular transport (macromolecules and particulate materials).