Designing Peptides *For* or *Against* Cell Permeability

**Mechanisms of Permeability**
- Creating Pores
- Endocytosed/Pinocytosed
- Passively Crossing Membrane

**Design Peptides *For* or *Against***
- Cationic (Arg rich) & Hydrophobics
  - Drives permeability
  - Interacts with membrane
  - Induces Actin reorganization
- Anionic
  - Selects against clearance by kidneys

---

Example: Tat Peptide from HIV is Arg rich