

Strategies

- **Covalent modification:** bioconjugation or "click chemistry", etc.
- **Non-covalent modification:** multivalent electrostatic interactions, receptor-ligand binding and hydrophobic insertion, aptamer-targeted binding, or thin film deposition, etc.



EVs Surface Engineering

Conjugates

- EV-antibody conjugate
- EV-drug conjugate
- EV-fluorescent protein conjugate
- EV-nucleic acids conjugate
- EV-lipid conjugate
- EV-peptide conjugate
- EV nanoparticles
- ...