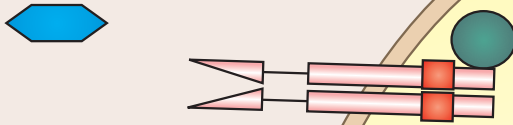


# Protein Tyrosine Kinase Signaling

# Potential Inhibitors

a. Receptor Tyrosine Kinase



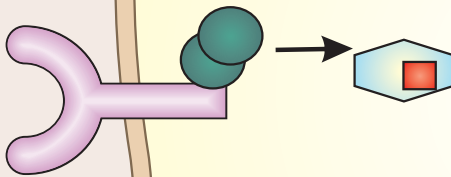
- Anti-receptor inhibitory antibodies
- Peptidomimetics
- Small molecule inhibitors targeting intracellular domain
- Anti-ligand antibody
- Soluble receptor or 'Trap'

b. Receptor-associated PTK



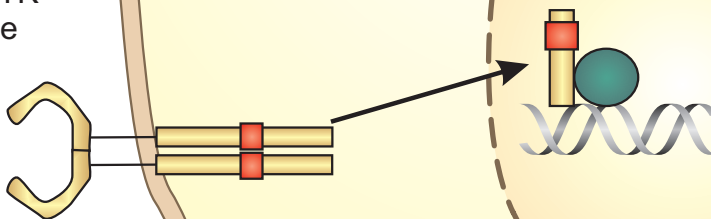
Small molecule inhibitors

c. Cytoplasmic PTK



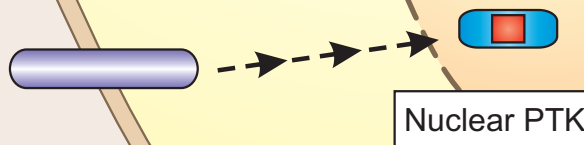
Small molecule inhibitors

d. Fragment of RTK translocates to the nucleus



Small molecule inhibitors  
Peptidase inhibitors

e. Non-PTK receptor activates a nuclear-associated PTK



Small molecule inhibitors

■ Tyrosine Kinase domain    ● Adaptor or other signaling molecule    ◆ Ligand