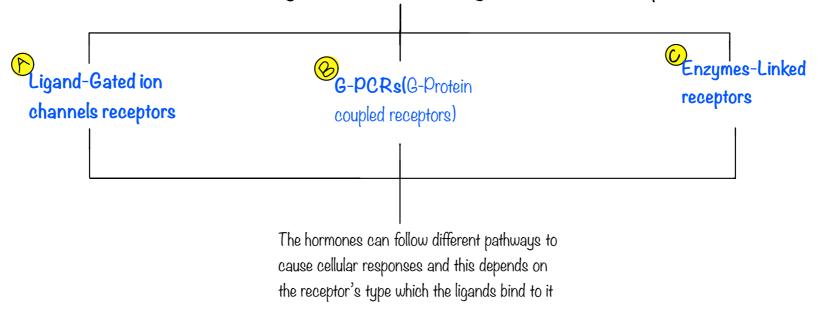


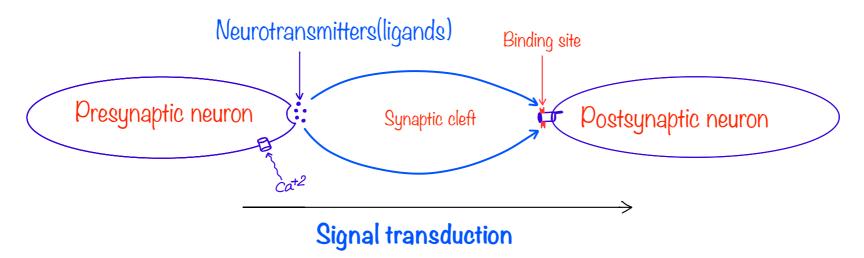
The effect of the hormone can appear only when the hormone binds to its receptor to form :Hormone-Receptor complex

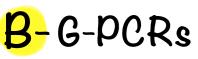
## The hormones which they bind to the following extracellualr receptors :

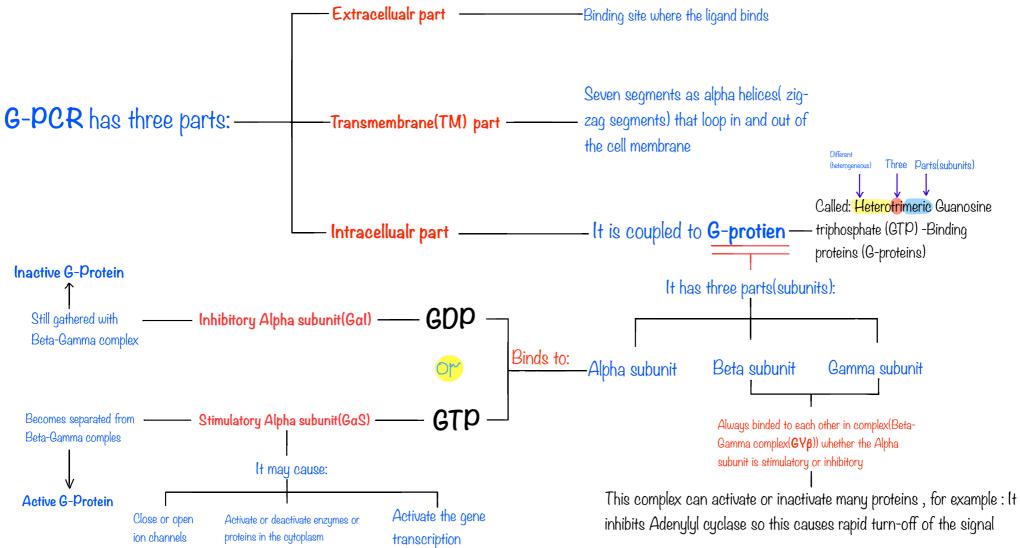


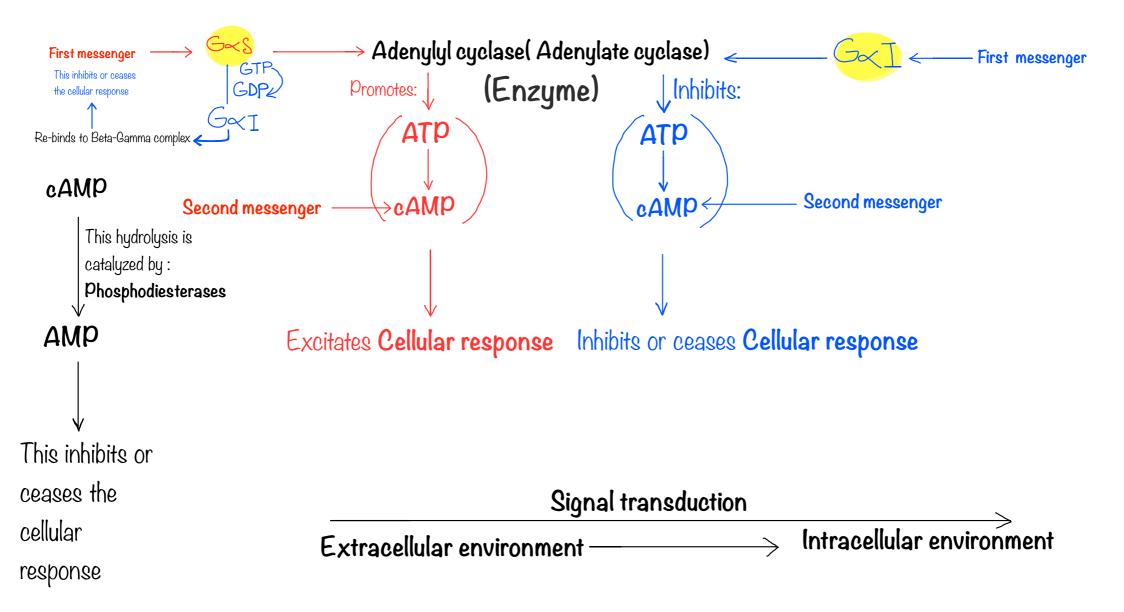
## **4**-Ligand-Gated ion channels receptors

At the chemical synapse the action potential can be transmitted between the neurons via :**Synaptic signaling** so the ligands are secreted from the presynaptic neuron once the action potential reaches at the axon terminal so this promotes the exocytosis of the ligands (like:neurotransmitters) so these ligands in the synaptic cleft some of them bind to binding sites (receptors) at the ligand-gated ions channels so this leads to cause conformational changes for those channels so eventually they become opened and the sodium, chloride and potassium ions can flow via those channels and we, can say that : **The signal is transduced to the postsynaptic neuron** 









## C-Enzymes-Linked receptors

