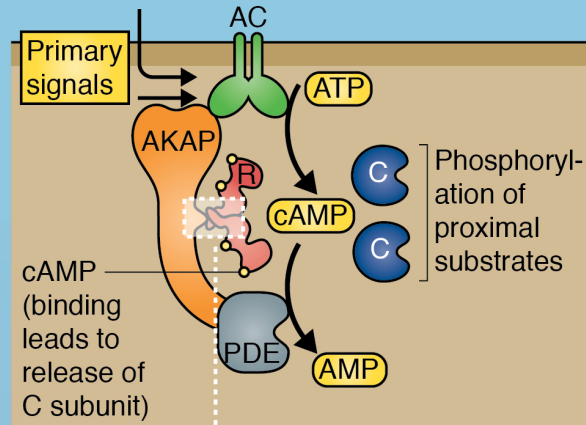
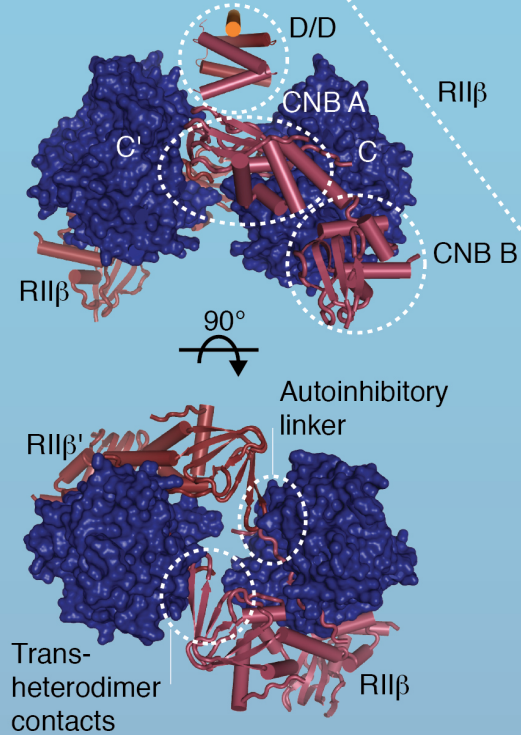


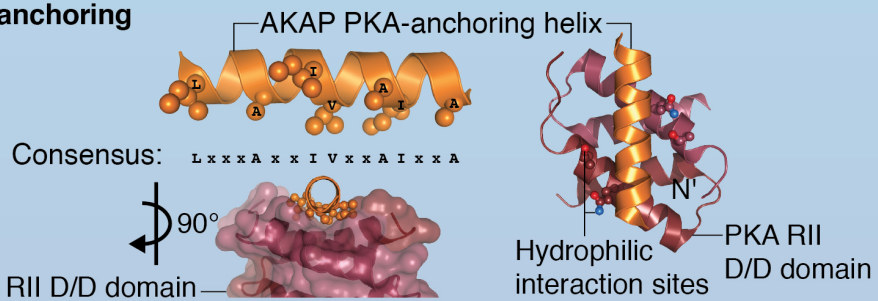
Core molecular cAMP signaling machinery

Pre-activation PKA holoenzyme



Signaling protein class	Diversity
AC	9 membrane-bound isoforms
cAMP PDE	8 families (PDE1, PDE2, PDE3, PDE4, PDE7, PDE8, PDE10, PDE11)
PKA regulatory (R) subunit	4 isoforms (RI α , RI β , RII α and RII β)
PKA catalytic (C) subunit	≥ 3 isoforms (C α , C β , PRKX)
AKAP	Encoded by >20 genes

PKA anchoring



Key

