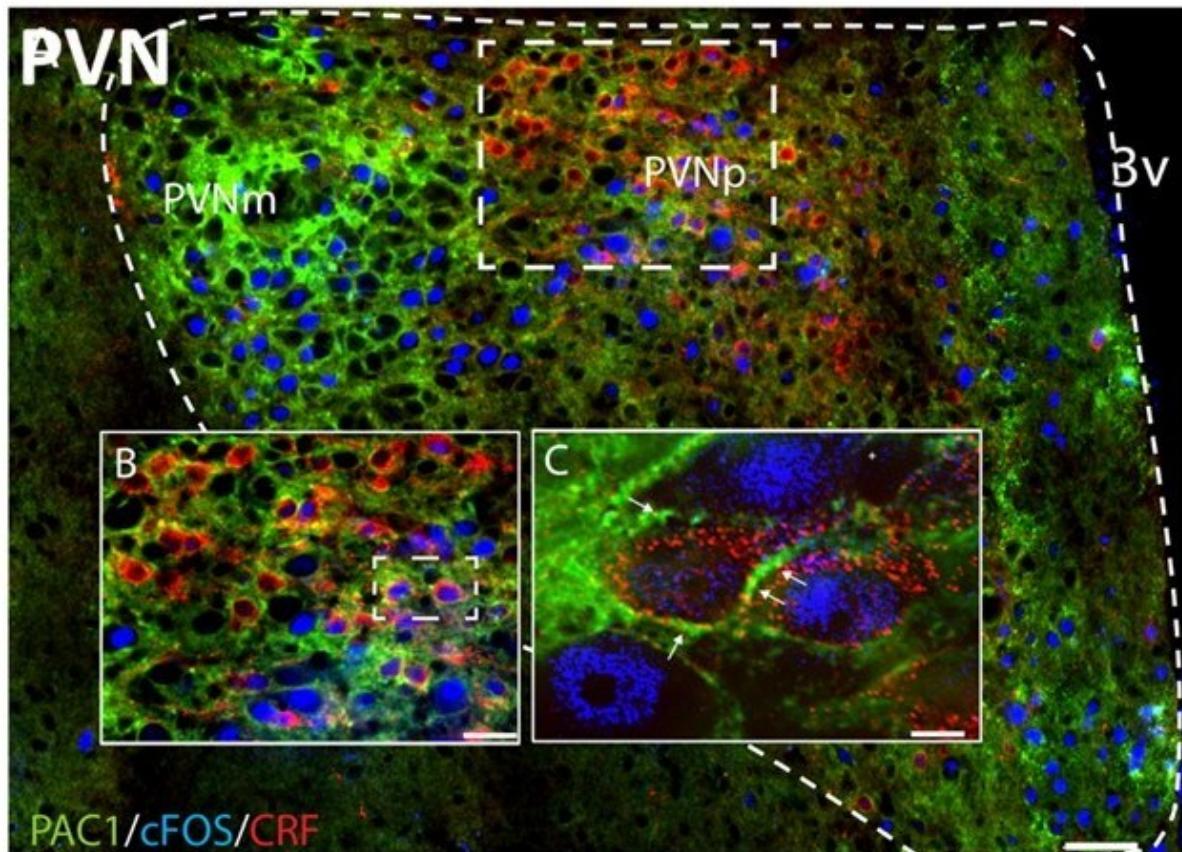
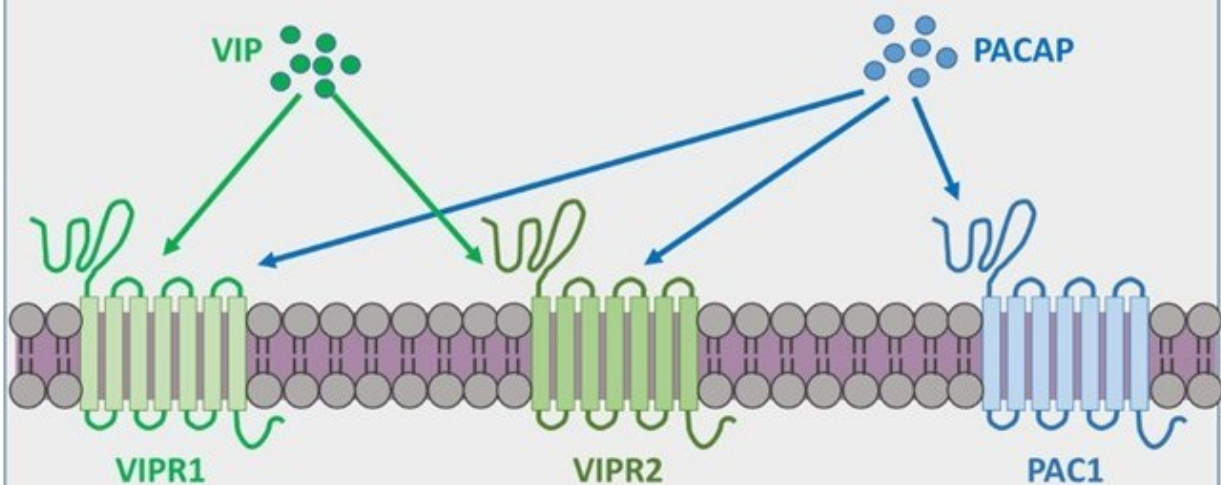


Neuropeptide Signaling in the PVN

Stress activates PAC1+ CRF neurons in the medial parvocellular PVN



Neuropeptides and their receptors



- VIP acts through VPAC1 and VPAC2 receptors
- PACAP preferentially binds to PAC1 receptors (but also to VPAC1 and VPAC2 receptors)
- Widely expressed in stress circuits (e.g. PVN, BNST, AMY, mPFC, HIP, LS)
- Regulate neuronal excitability, synaptic transmission, CRF release, and HPA axis activity