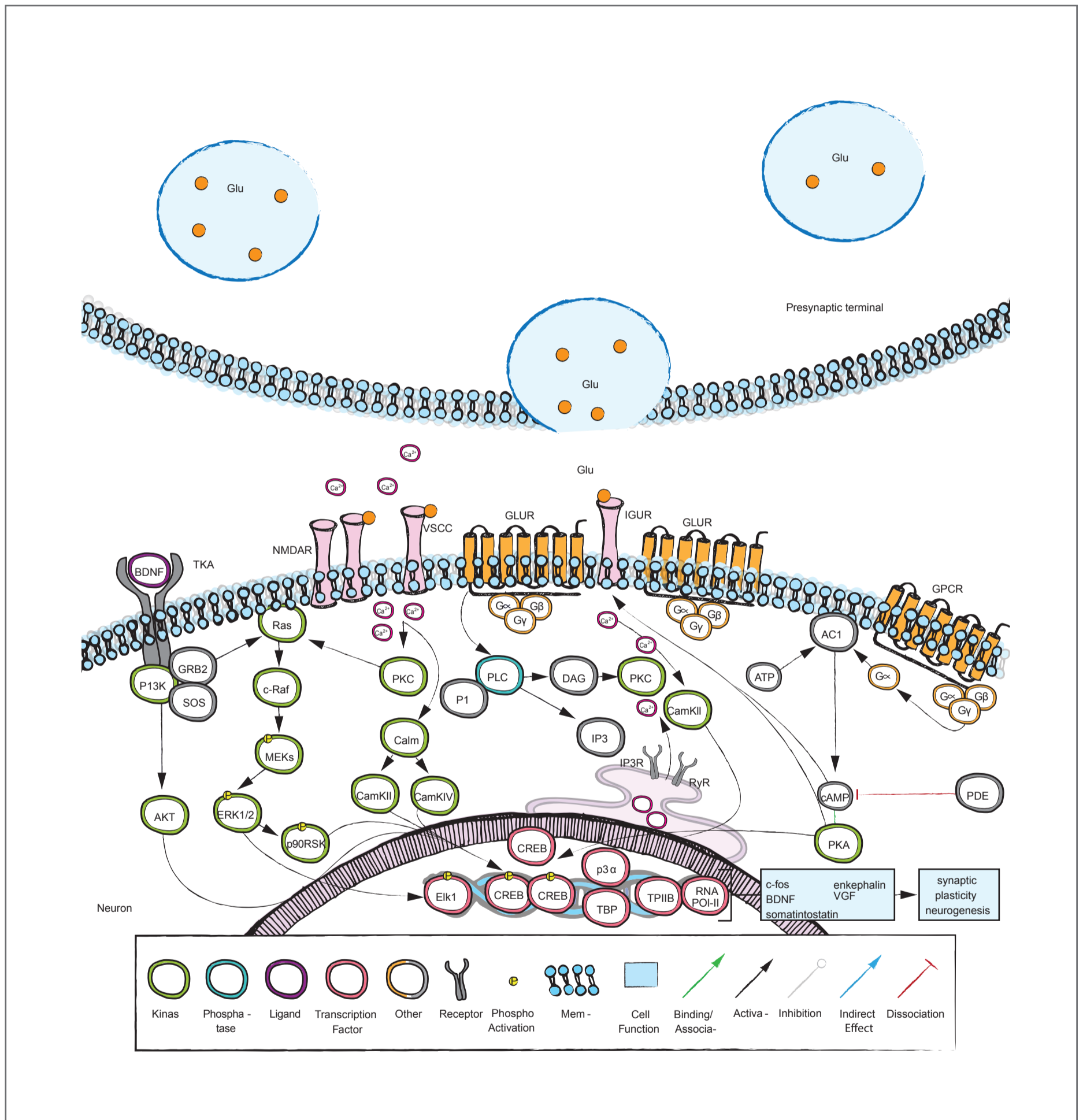


Featured Pathways & Targets

CREB



Cyclic AMP response element binding protein (CREB) is one of the best characterized stimulus induced transcription factors. CREB activates the transcription of target genes in response to a diverse array of stimuli (peptides, hormones, growth factors) that will activate a variety of protein kinases. These kinases in turn phosphorylate CREB at serine 133. Phosphorylation of serine 133 is required for all CREB-mediated transcription. CREB family members are important for learning, memory, and contributing to neuronal adaptation of drug abuse.