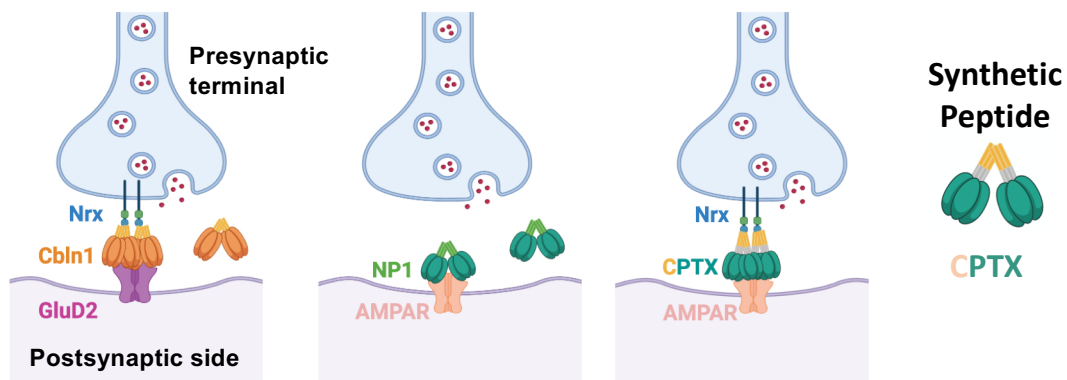


The CPTX synthetic peptide



CPTX is a synthetic peptide composed of an amino-terminal cysteine-rich region (CRR) of cerebellin (CBLN1) and the pentraxin (PTX) domain of neuronal pentraxin1 (NP1). Injection of CPTX into the brains of mice deficient in synaptic connectivity (e.g., Alzheimer's disease model) restores glutamatergic synaptic connections and circuit function, which improved cognitive function. CPTX also repairs damaged neuronal circuits after spinal cord injury in mice, which improved motor function.