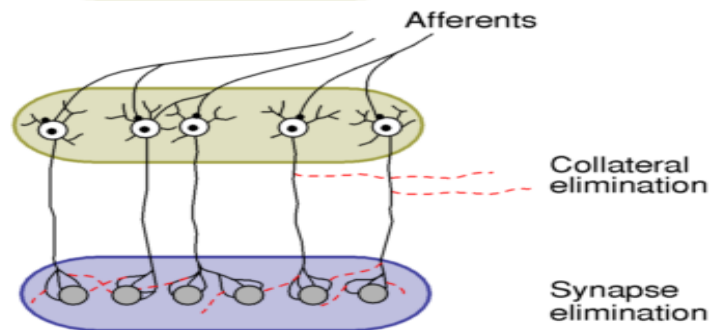
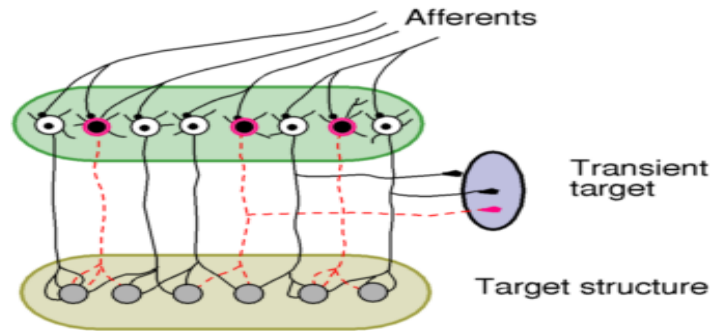
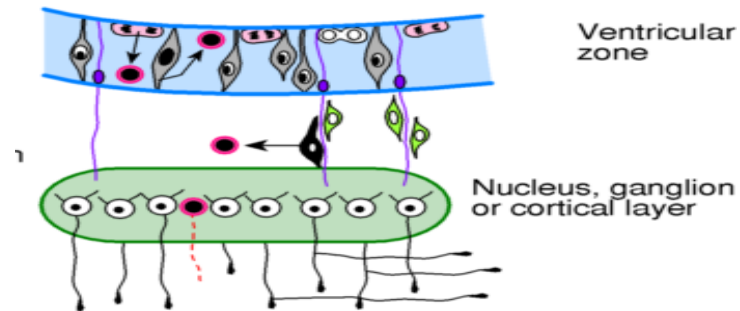


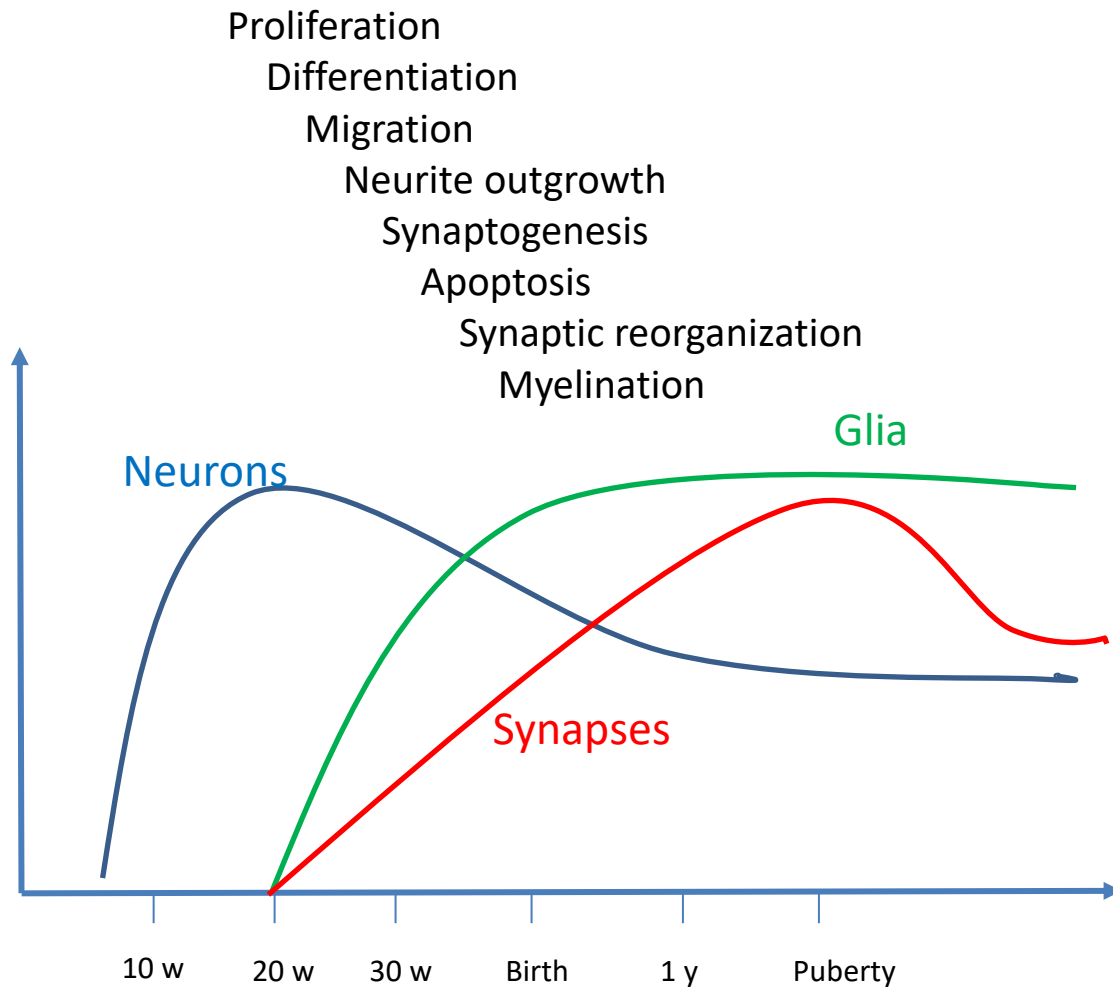
Brain Development



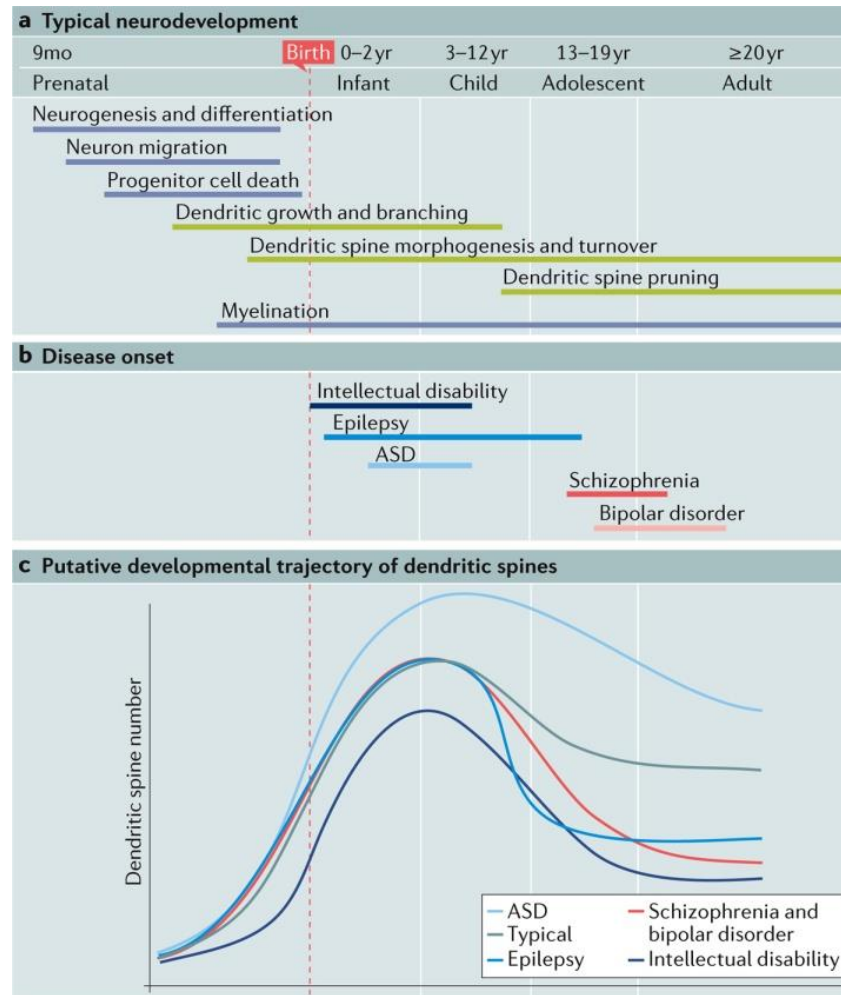
Läroböcker:
Bear kap:23-25
Purves kap:22-25

Block 2
Nervcellsfysiologi
Eric Hanse

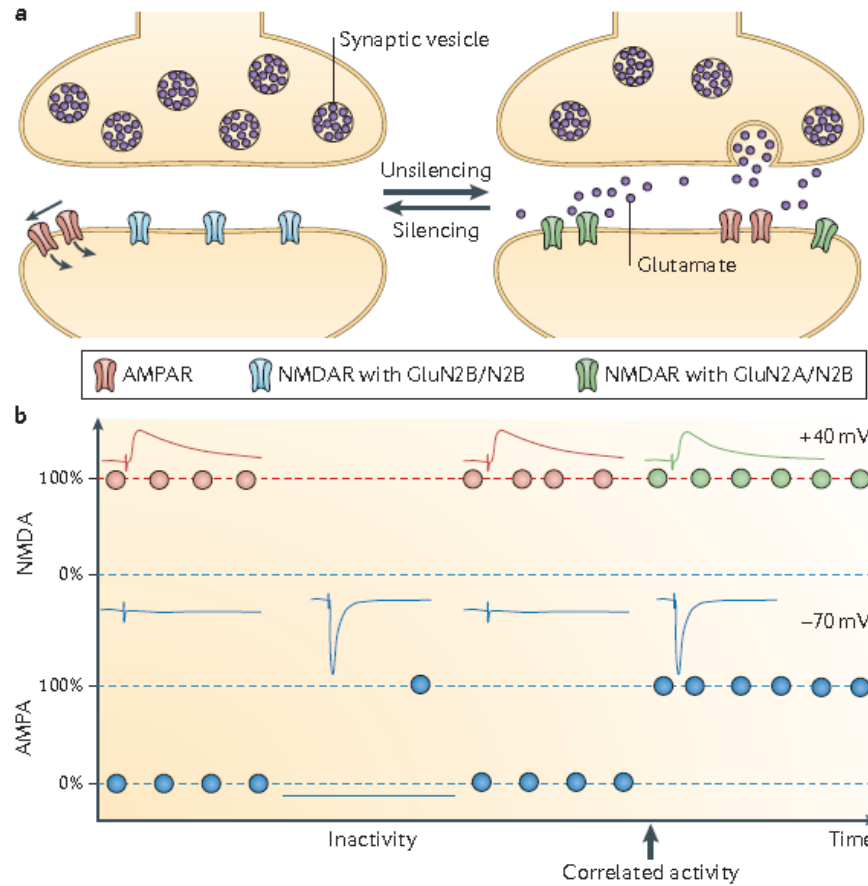
Overview



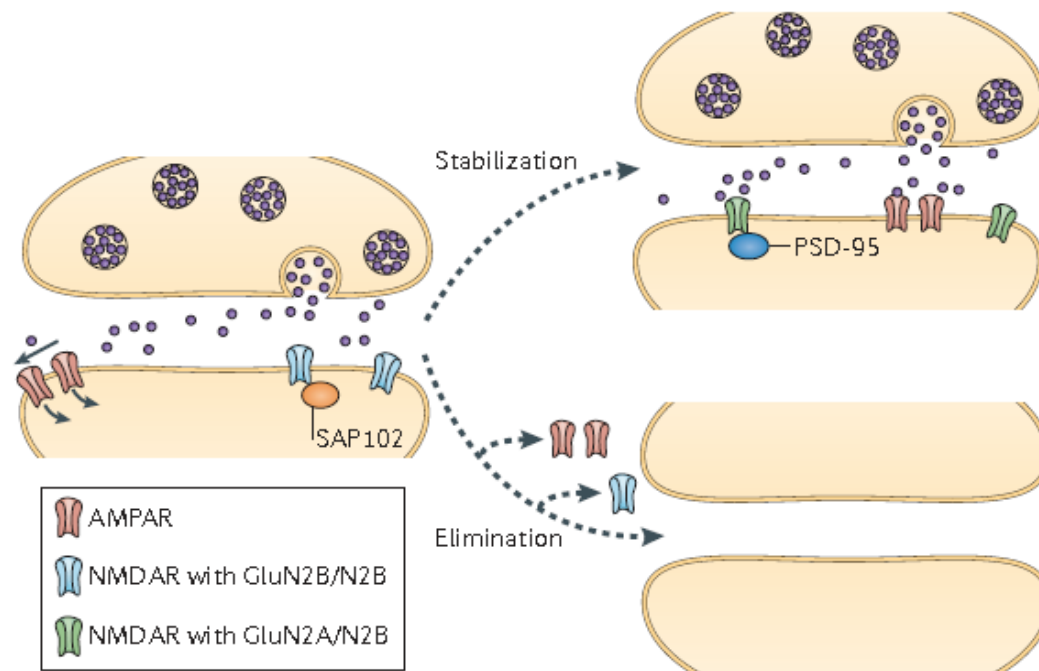
Normal and pathological development of synapses



AMPA silent synapses



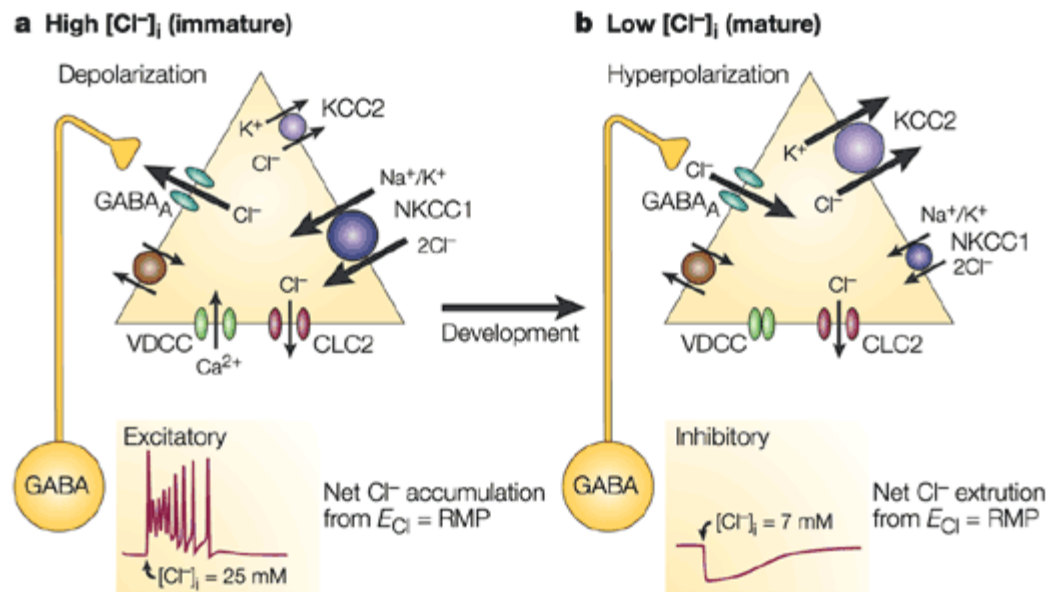
Maturation of Glu synapses



Nature Reviews | Neuroscience

Hanse, Seth & Riebe 2013 Nat Rev Neurosci 14:839

GABA is depolarizing during the early brain development



Nature Reviews | Neuroscience

Ben-Ari 2002 Nat Rev Neurosci 3:728

Spontaneous neural activity drives the early development of the brain

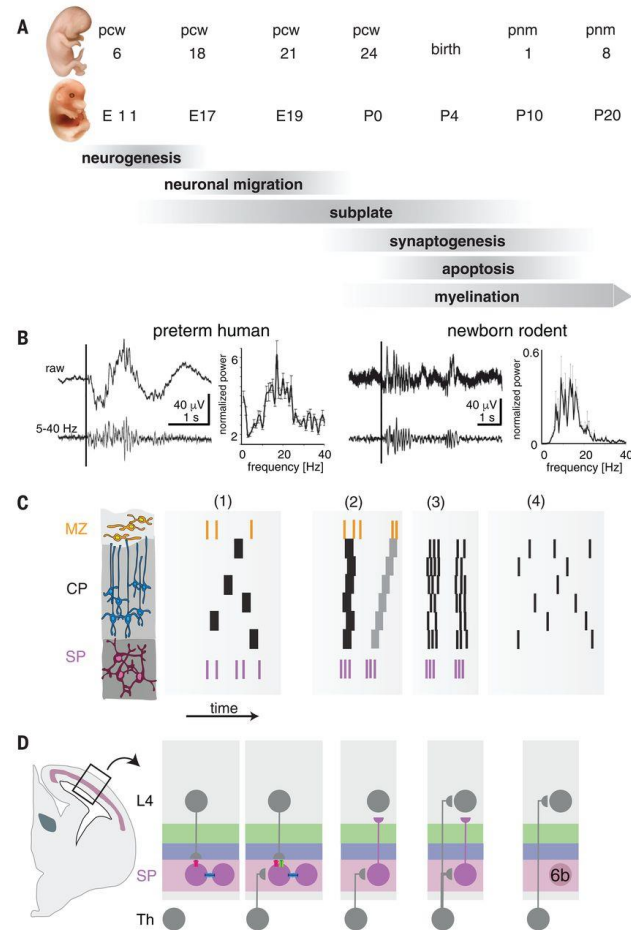


Fig. 2 Corticogenesis and relationship with spontaneous activity patterns.