GABAERGIC SYNAPSE Glial cell Citrate cycle (TCA cycle) **ිල**34 GlnGlu GABA Mitochondria GAT2/3 K13576... Autoreceptor Neuron (Postsynaptic cell) K14990.. Internalization Neuron (Presynaptic terminal) Early endosome Inhibition of GABA Gln 🔿 Gβy release —— > Degradation Endocytosis cAMP **Q** K04647 Alanine, aspartate and glutamate metabolism Recycling K01425 GABA O K02677... K15374 Glu**O**----**-**GABA Vesicle Exocytosis Synaptic vesicle cycle Golgi KCC2 CL GABA Endocytosis Mitochondria Hyperpolarization, decreased excitability Action potential cAMP 9 GABA 04727 10/23/15 (c) Kanehisa Laboratories