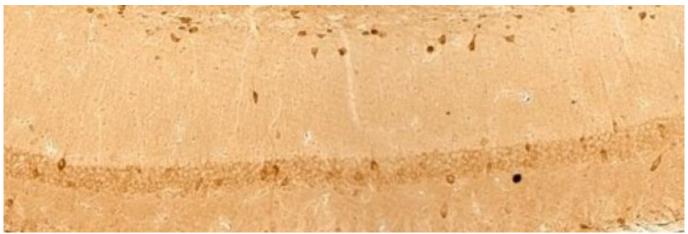
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Immunoreactivity for GABA_{B1} receptor subunit in scattered somata of **GABAergic interneurons** in the hippocampal CA1 area

Welcome

We are a neuroscience research lab located at the Institute of Integrative Neuroanatomy, Charite, Berlin.

Our primary goal is to understand how information is processed and stored in the brain and focus on the role of inhibition and **iNeurons** in cortical, hippocampal circuits.

iNeurons are GABAergic inhibitory neurons ("interneurons"). Although very low in number (~10 - 20% of cortical populations), they are highly diverse and can be subdivided into several **distinct types**. The various types produce inhibition at different times and different locations in the network and thereby regulate **when and where** information can flow in neuronal circuits. For further detail see the following page.

We use a combination of neuroanatomical, electrophysiological and computational tools to address these scientific questions.

We are members of the NeuroCure Cluster, the Bernstein Center for Computational Neuroscience Berlin (BCCN Berlin) and the GRK 1589 Research Training Group "Sensory Computation in Neural Systems". Our group is also member of the DFG Research Unit "Interneuron Synaptic Plasticity" (FOR 2143).

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