



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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