TRR 167

Cellular and molecular mechanisms of microgliamediated homeostatic synaptic plasticity (B14*)



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Project Description:

Microglia activation in primary lesion sites has been reported in various brain diseases. Lessunderstood, however, remains the relevance of activated microglia in denervated brain regions, whichare not directly affected by the disease but loose part of their input in response to remote cell death. This project focuses on cellular and molecular mechanisms through which microglia mediate the ability of neurons to compensate for alterations in neural activity, as seen after denervation. In turn, theimpact of neural activity-modulation on cellular and molecular properties of microglia will be determined in healthy and denervated brain tissue.

Reference: https://gepris.dfg.de/gepris/projekt/452450653