

TRR 167



Role of microRNAs as modulators of microglial function in neurodegeneration (B03)

Speaker:

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Project description:

There is increasing evidence that microRNAs mediate functions beyond gene regulation. Based on our recent findings, we hypothesize that extracellular microRNAs bind to innate immune receptors such as Toll-like receptors (TLRs), thereby activating microglia and macrophages. In this context, we propose a novel mechanism of action for microRNAs as signalling molecules in neurodegenerative diseases. The project's aim is to identify microRNAs as ligands of TLRs expressed in the brain's immune cells and to determine their function in CNS inflammation and neurodegenerative processes.

Quelle:

<https://gepris.dfg.de/gepris/projekt/324669781?language=en>