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## Intercellular communication between glioma and innate immune cells

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1. Fluorescent membrane labeling combined with multiphoton microscopy enables to track and visualize the uptake glioma-derived extracellular vesicles by surrounding myeloid cells (including microglia) *in vivo* (this thesis).
2. Functional transfer of extracellular miR-21 from glioma to microglia *in vivo* results in a reduction of miR-21 target mRNA levels (this thesis).
3. Microglia are important regulators of glioma progression (this thesis)
4. The microglial sensome plays an important role in the progression of neuro-oncological and neurodegenerative diseases (this thesis).
5. Developing combinational therapies targeting both tumor cells and the microenvironment will be crucial in reducing tumor burden in GBM patients.
6. Characterization of myeloid cells entering the tumor microenvironment is important to identify druggable targets.
7. The heterogeneous nature and subsequent inconsistency in nomenclature of extracellular vesicles hinders the progression of extracellular vesicle research.
8. New therapies should focus on reverting the tumor-promoting phenotype of myeloid cells in the glioma microenvironment into a tumor-suppressing phenotype.
9. In order to value large scale multivariate (single) cell characterizations, a follow-up needs to be performed to test newly identified druggable pathways and cell populations.
10. Creating a culture and atmosphere that enables and promotes collaborations should be one of the twelve commandments in science.
11. Providing easily accessible experimental data furthers sciences.
12. Embrace the opportunities to broaden your horizon by interacting with different cultures and customs.