



Markus Glatzel  
✉ [m.glatzel@uke.de](mailto:m.glatzel@uke.de)

partner countries:



## GlioEX: Nanoengineered exosomes to treat glioma

**Project coordinator:** Glatzel Markus, University Medical Center Hamburg-Eppendorf, Hamburg, Germany

**Partner countries:** Germany, Sweden, Portugal

### Project description:

Pharmacotherapy has proven to be inefficient in the treatment of primary brain tumors. Ineffective penetration of the blood-brain barrier and the unspecificity of tumor cell targeting are the key factors hindering the efficacy of pharmacotherapy. Glioex aims at discovering novel vesicle-based therapeutic approaches to enable improved blood-brain barrier penetration and tumor-cell specificity. To this end, nanomedical approaches will be employed to manipulate exosomes, the membrane vesicles secreted by cells. This approach is designed to facilitate targeted therapy, while reducing side effects and simplifying treatment.

