



## Nanoviber: Translational proof of concept of spintronic micro-nanoparticle non thermal vibrational therapy for glioblastomas

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“Boost the preclinical validation and toxicology of these particles”

Glioblastoma is a disease with high mortality rates. Paramagnetic particles have been extensively used in association with magnetic stimulation to destroy glioblastoma tissues using thermal strategy. Recently, the impact of vibrational non-thermal strategies has been introduced as a new opportunity to treat these tumors. The objective of this project is to boost the preclinical validation and toxicology of these particles, to support more rigorously a large translational program. The association of European leaders in the field of translational nanomedicine, nano-toxicology, nano-regulation, ethics as well as nanofabrication and nano-characterization should pave for a proof clinical proof of concept trial opening new medical and industrial perspectives in the nanomedicine area.

H Joisten/B Dienny/M Carrière- Particle/vibrator production, targeting and nanotox

