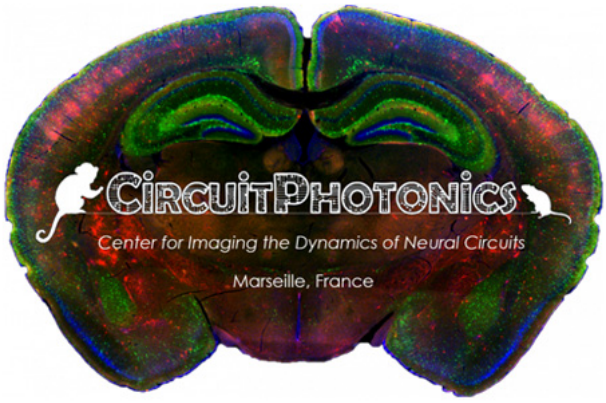

CIRCUITPHOTONICS platform,
an Equipex+ project from the 2020 PIA call

*

Dedicated to minimally invasive in vivo imaging of neural circuit dynamics in rodents and non-human primates (NHP) and born from a partnership between Inmed (Rosa Cossart) and INT (Guillaume MASSON), the originality of CIRCUITPHOTONICS will lie in the deployment and co-design of innovative imaging technologies, with the following main objective: tracking the emergence and plasticity of functional circuits during development and their dynamics during behaviour, in the healthy and diseased brain. CIRCUITPHOTONICS will create a stimulating environment for the co-design of the next generation of non-linear imaging instruments (such as 3-photon excitation, ultra-fast cell voltage visualization, 2-photon endoscopy, photoacoustics), relying in particular on a close collaboration with three industrial partners, leaders in their respective fields (BRUKER, KARTHALA, LIGHTCORE).