Figure 1. Heterogeneous distribution of trastuzumab.

20 mg/kg trastuzumab, 26 h

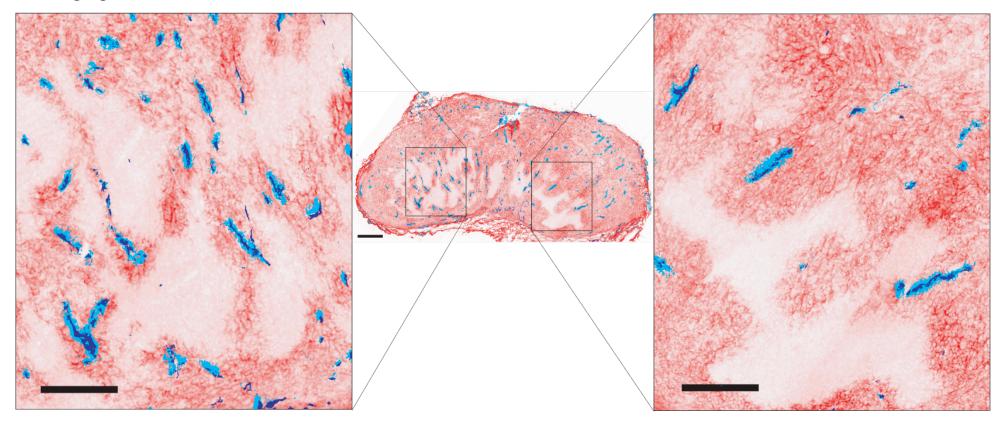


Figure 2. Hyperbranched polyglycerol (HPG) as multi-modal imaging agent.

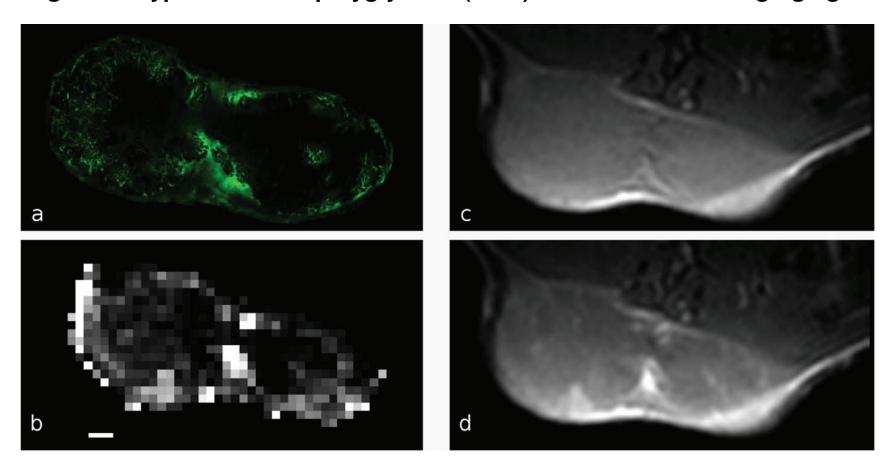
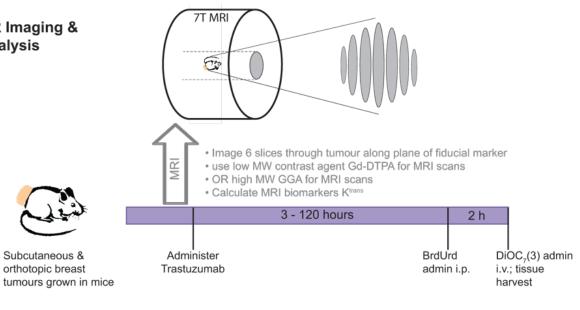


Figure 3. Correlating MR imaging with histological analysis.



Figure 4. Experiment workflow.

A) MR Imaging & **Analysis**

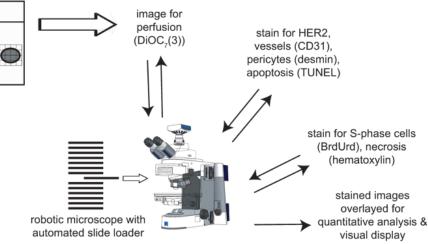


B) Tumour Mapping & **Analysis**

Subcutaneous &

orthotopic breast

Cryosections obtained to correspond with 6 MR image slices; whole tumour sections stained & imaged



C) Co-registration & **Analysis**

Tumour maps (i) are co-registered and quantitatively compared with DCE-MRI parameter maps (ii) to get correlative data (iii).



Figure 5. Correlating MRI and histological images for quantitative analysis.

