



Supplementary Figure 2. Images of vasculature in a rat acquired *in vivo* by fPAM at the isosbestic optical wavelength of 584 nm (A) before, (B) two days post, and (C) five days post subcutaneous inoculation with BR₇C₅ tumor cells. Images are acquired by maximum intensity projection (MIP) of the PA amplitude along the *z* axis. The tumor was invisible from the skin surface with unaided eyes. The mean depth of the imaged vessels is 0.72 ± 0.17 mm from the skin surface, with a maximum depth of 1.7 mm. Loss of vascular symmetry and irregularities relative to those of the adjacent normal vascular structures indicates the location of tumor angiogenesis within an area of 2 mm in diameter.