Supplemental figure 7 - Comparison between *in vivo* and fixed tissue.
Representative projection images from two-photon and confocal microscopy. Left: Projection image from an *in vivo* two-photon imaging Z-stack. Right: Projection image from a confocal Z-stack taken from fixed tissue. Imaging parameters (lens and scan resolution) are indicated above the images. Both images are projections that were filtered with a Gaussian filter (1 pixel). Note that although the confocal image has better contrast and less noise, fine dendritic spines are evident in both settings, indicating that *in vivo* images at this depth (200 µm) can extract most (if not all) the spine details that can be extracted with better optical settings. Scale bars: 10 µm.