Supplementary Figure 3

**Fluorescence emission spectrum of lipid bodies in lung tissue.** Fluorescence and harmonic emission spectra of selected regions of fresh lung tissue were measured by inserting successive interference filters in front of the detector and calibrated against a solution of retinol. Squares: measured emission spectrum of a region containing fluorescent lipid bodies and collagen fibrils (white square region in Figure 5c), upon 810 nm excitation. Red line: measured 2PEF emission spectrum of retinol in ethanol. Green line: theoretical second harmonic spectrum of the excitation pulse.