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Supplementary Information

An Approach for Characterizing and Comparing Hyperspectral Microscopy Systems. *Sensors* 2013, *13*, 9267-9293

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Figure S1. The effect of laser power on signal to noise ratio (SNR). The averaged SNR ratio increased with the laser power (**A**). The SNR for ROIs of each component (GFP, Hoechst, and AF) in the image prior to unmixing (**B**). The SNR for the whole unmixed images (**C**). The SNR for ROIs of each component in the unmixed images (**D**).

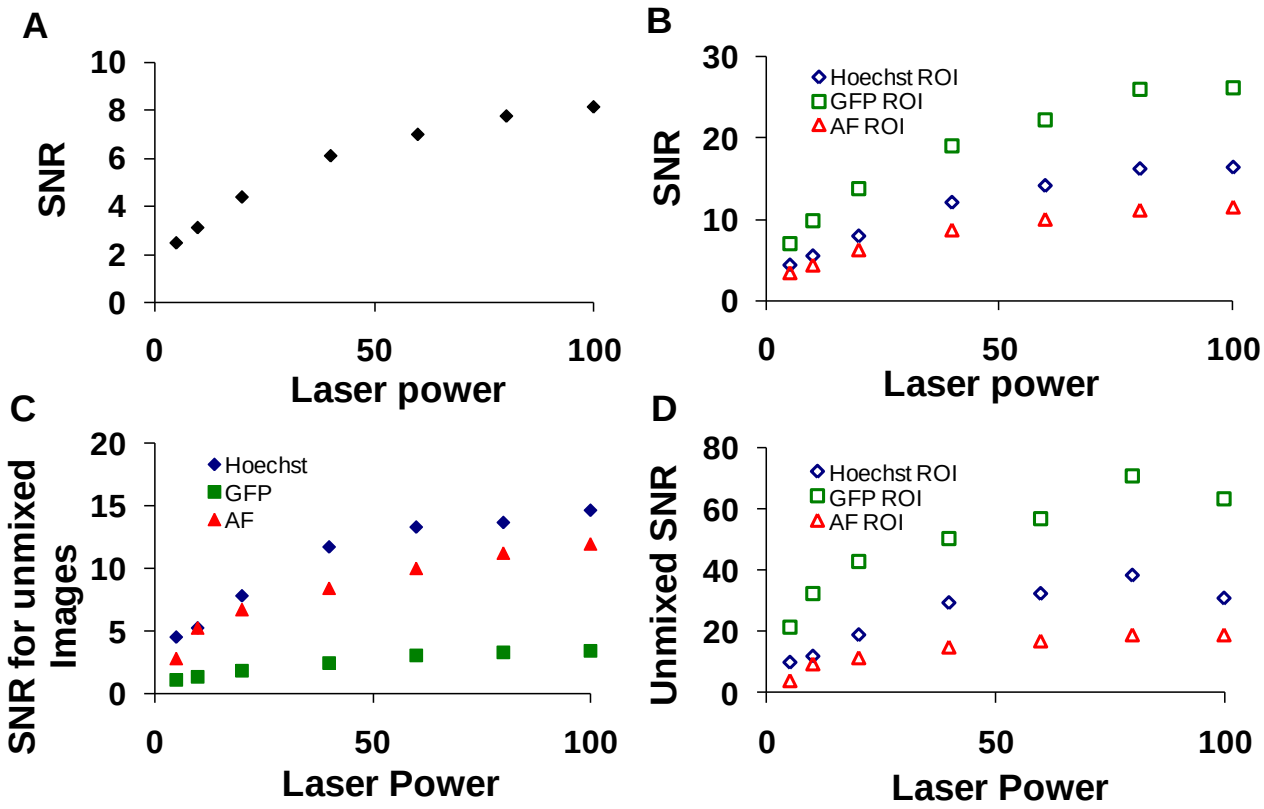
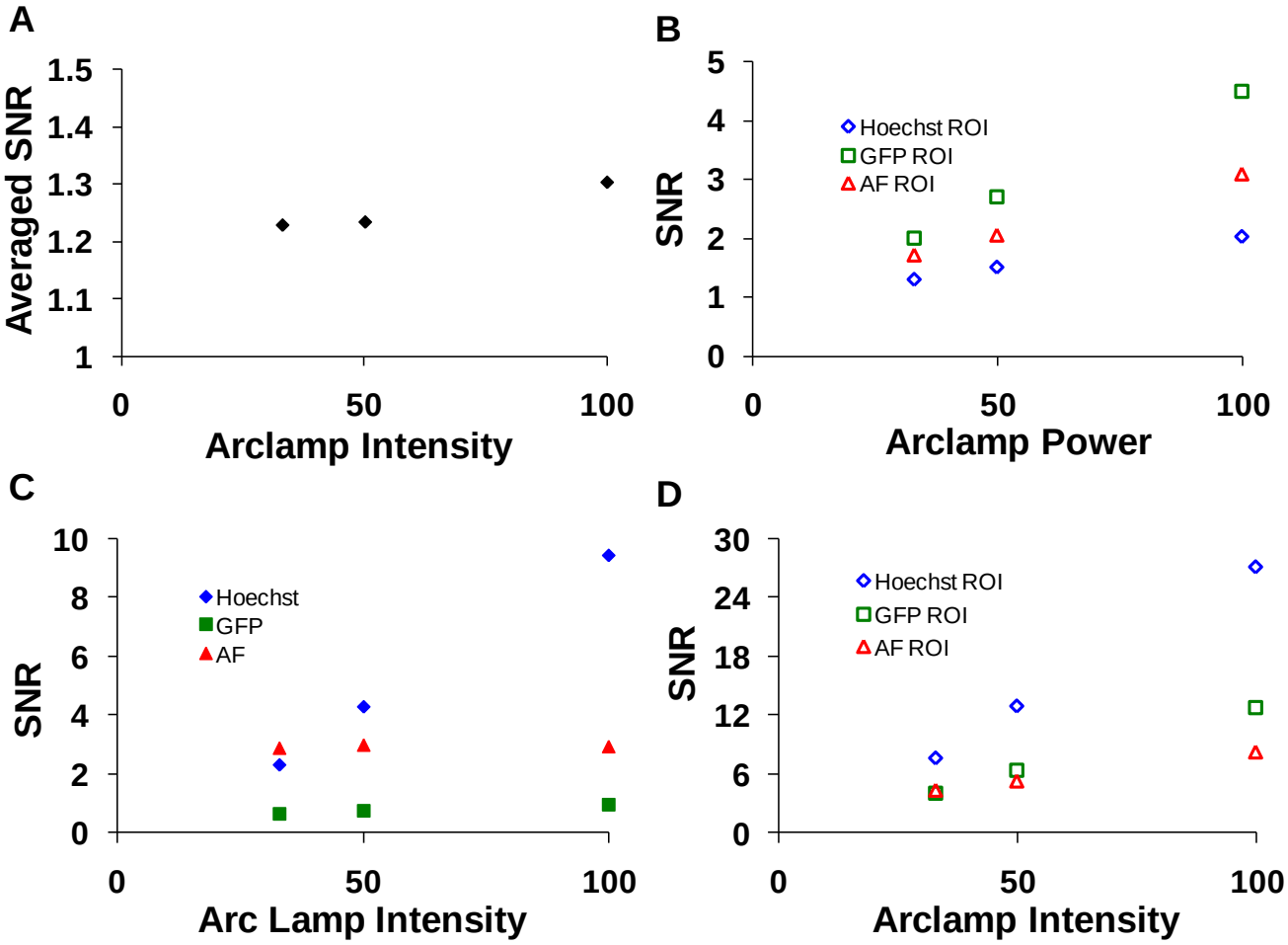


Figure S2. The effect of arc lamp intensity on signal to noise ratio (SNR). The SNR ratio averaged over all the wavelengths increased with the arc lamp power (**A**). The SNR for ROIs of each component (GFP, Hoechst, and AF) in the image prior to unmixing (**B**). The SNR for the whole unmixed images (**C**). The SNR for ROIs of each component in the unmixed images (**D**).



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