

Confocal Application Notes

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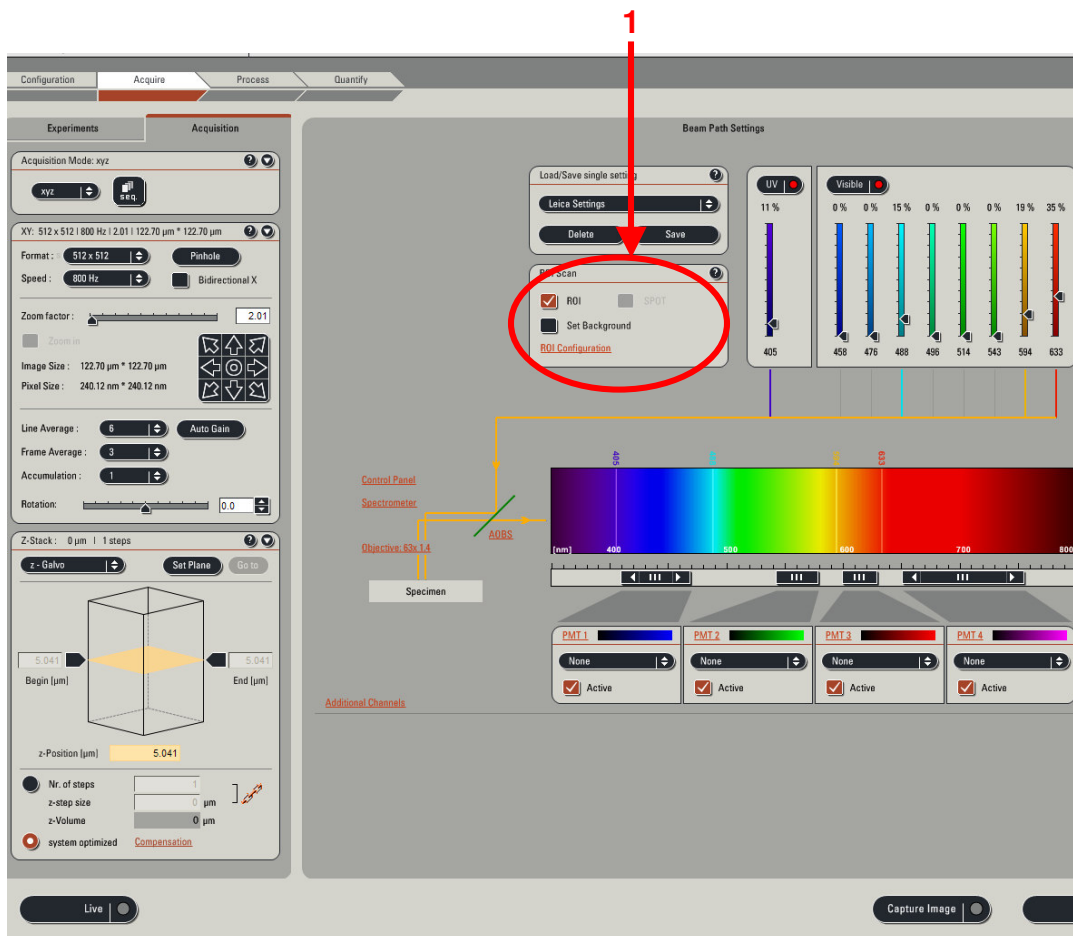
Region of interest (ROI) Scan

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In this Application Notes, we are going to describe how to use the ROI scan function. This tool, in association with the ROI drawing functions described last month, allow you to scan in a defined region of interest, and, if needed, to scan only the defined ROI, eliminating the outside area, and overexposure of your sample by setting the background to zero.

The ROI scan tools are accessible directly from the acquisition screen. Once your lasers, PMTs, gains and Offsets are setup, just follow the step by step described below.

1. Activate the ROI scan in the acquisition window.

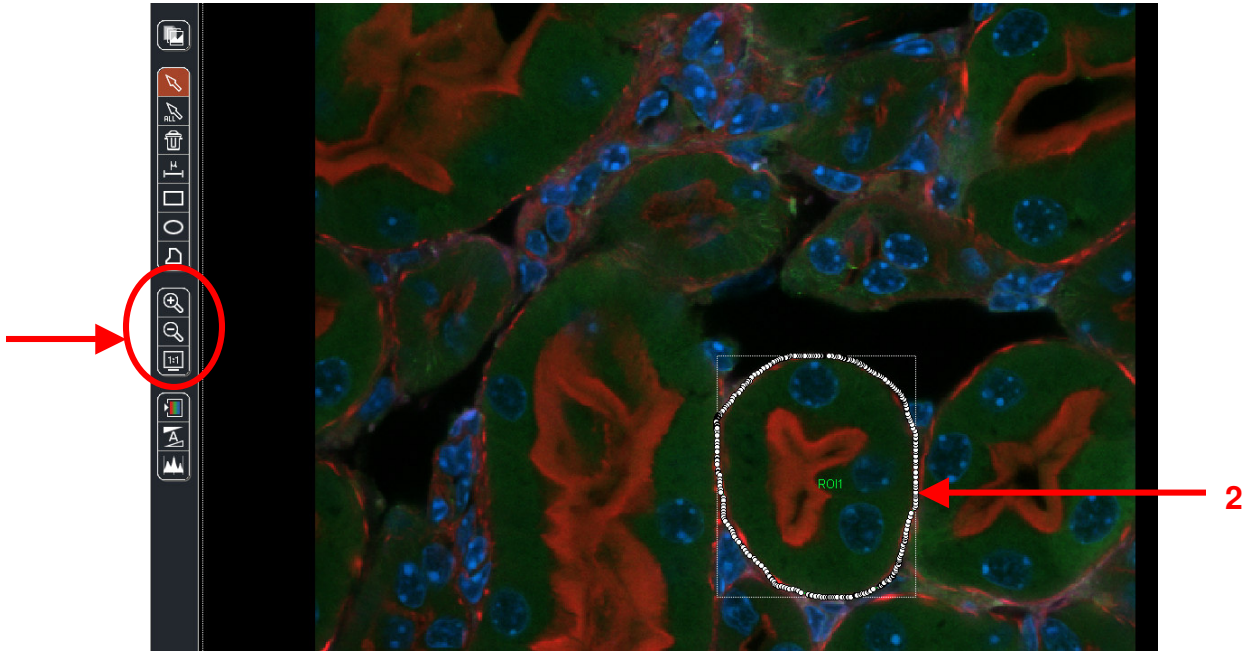


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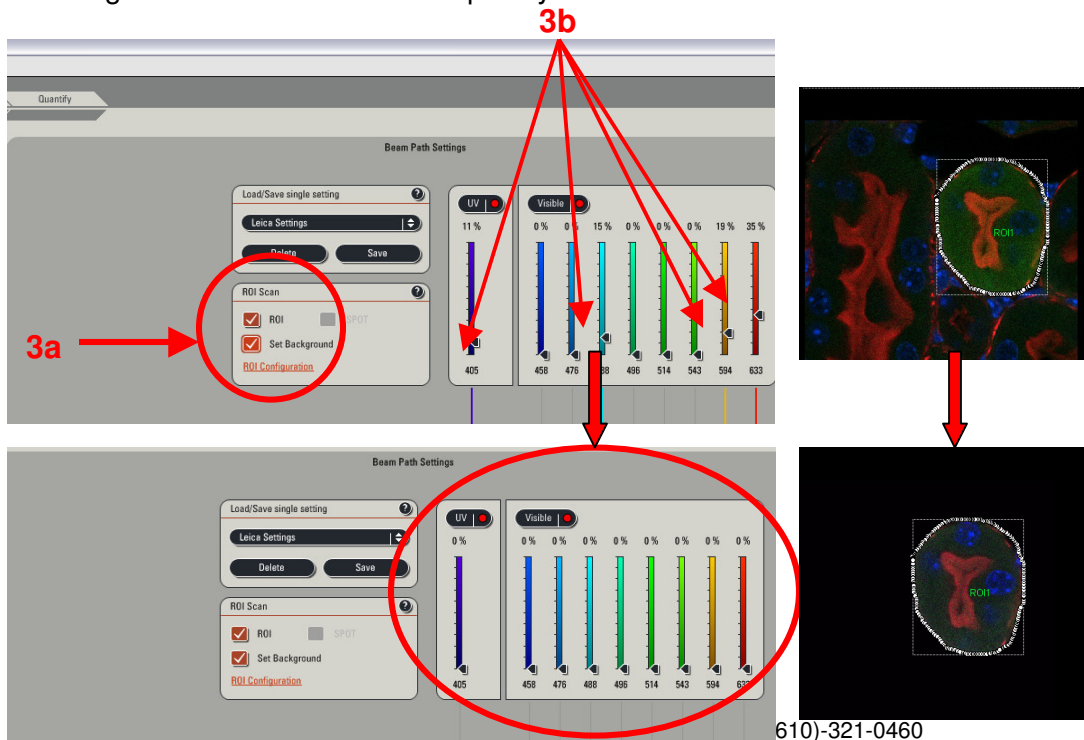
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2. Draw the ROI using any drawing tools on the left inside of the viewing screen.



3. a) Activate the ROI background button, and b) reduce the power laser(s) until the region outside the ROI is completely black.

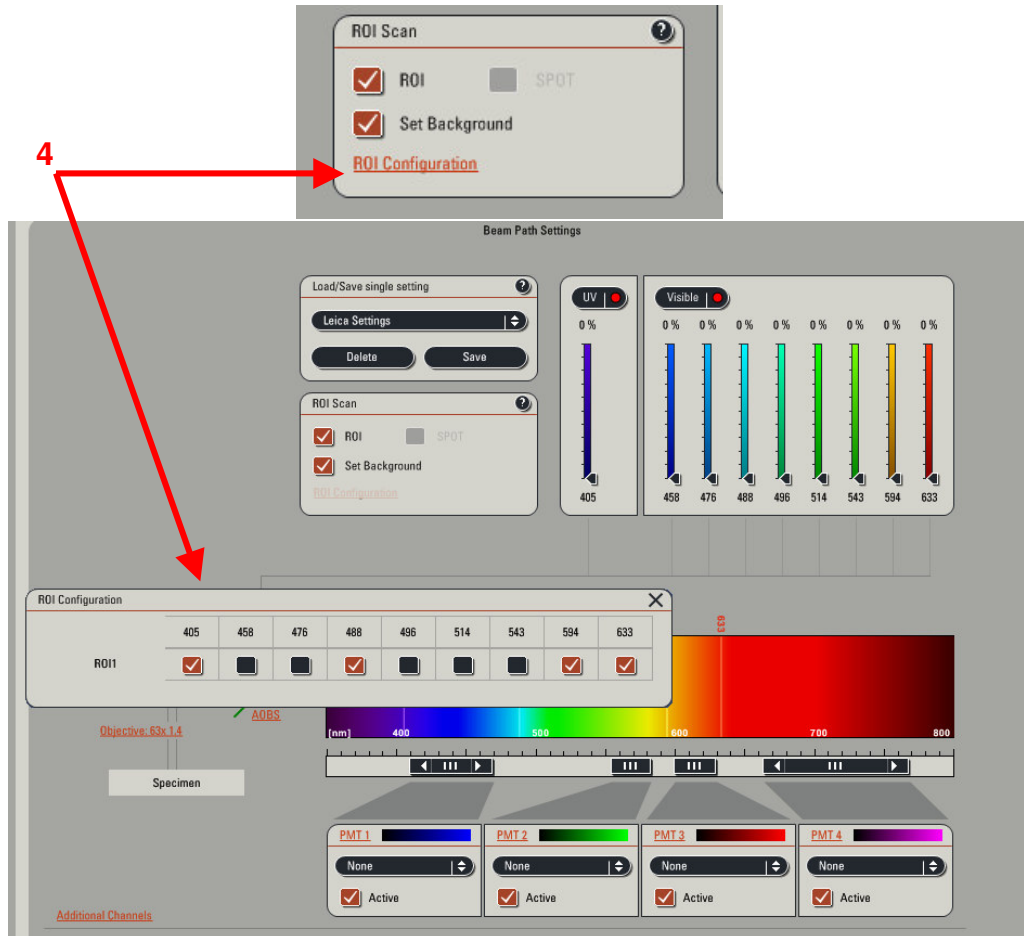


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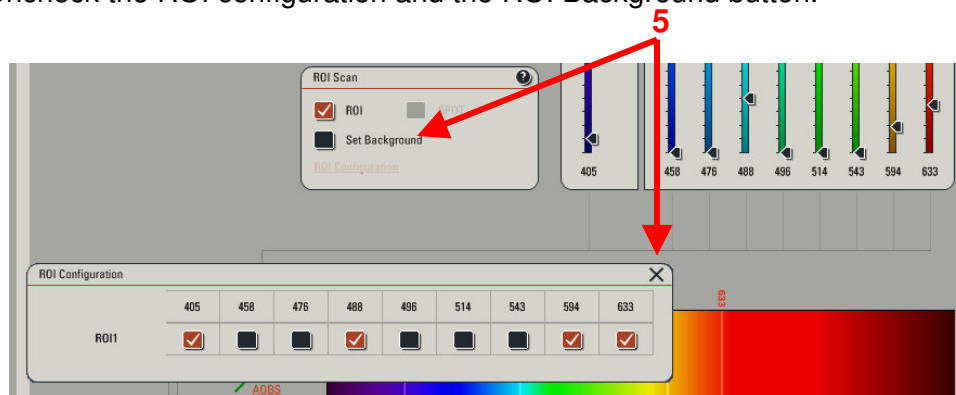
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4. Check the ROI configuration to confirm the activated laser lines.



5. Uncheck the ROI configuration and the ROI Background button.



PS: Once the ROI background box is unchecked, the power in the laser lines will go back at their original values established for the ROI scan.

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6. Click on Capture Image.

