

Laser Damage Experiments (I)

Click on the Stimulus Setting button



	Stimulus Setting	Select the single line icon and then draw a line in the 'Live View window' across the cell you wish to bleach
	< <pre><< Fast 10.0us/Pixel Slow >> </pre> P:10.0us L:11.360ms F:11.758s S:11.758s Laser <pre>V 405 </pre> <pre>Laser</pre> <pre>V 405 </pre> <pre>100.0 %</pre>	This indicates the 405nm laser will be used for bleaching
You can set the system to		
manually or Auto Stop the		
bleaching.	Manual Auto Stop	
To set Auto Stop, check the box and input the time you wish to bleach for	Main Scanner Sync © ImageScan C Activation C Activation Wait Time ImageScan Activation Wait Time Wait Time Wait Time ImageScan Frame ImageScan Activation ImageScan Activation ImageScan ImageScan <	
	Close	

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Laser Damage Experiments (II)



Draw a line in the 'Live View window' across the cell you wish to bleach

Select SIM Lightpath icon

Activate timelapse imaging by clicking on 'time'

Adjust capture parameters (time

interval (in seconds) and number of images required)

FreeRun will capture at the shortest possible interval based on scan speed and frame size (type 0).

It is possible to set a larger than anticipated number of frames to capture and then manually stop scanning if required.



TimeScan				
Interval	FreeRun	Num	60	Trig G

Pre-bleach: Begin the image capture by clicking XYt Scan button.

Allow several frames of pre-bleach scanning.

bleach: Press the Bleach icon along the top of the Image Acquisition Control window. You will need to press 'Stop' if you have opted to control the bleaching manually.

Timelapse: If the response is fast, then you can manually stop the scanning. If longer is required, you can add to the image by clicking 'Append New' which will capture additional frames.

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pre-bleach



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SIM
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Focus x4 XY Repeat XY

Focus x2