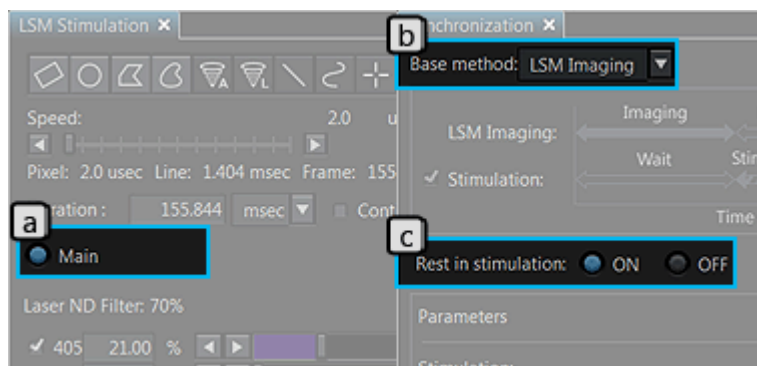


Creating timeline

This function allows you to create the timeline of the image acquisition and the light stimulation.

The image acquisition is set in [\[Series\] Tool Window](#) and the light stimulation in [\[LSM Stimulation\] Tool Window](#) respectively in advance.

The timeline is created in [\[Synchronization\] Tool Window](#), but the setting items differ depending on the combination of **a**, **b** or **c** to be selected in the following picture.

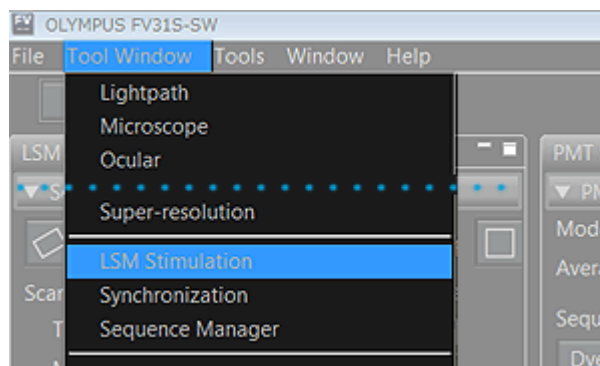


This section describes the operating procedures by using the following selection as an example. For other combinations, refer to [Synchronization Tool Window](#) in the Functional explanation section.

- a** : "Main" (The main scanner is used for the light stimulation.)
- b** : "LSM Imaging" (The image acquisition becomes the reference of the start time.)
- c** : "ON" (The image acquisition is stopped during the light stimulation.)

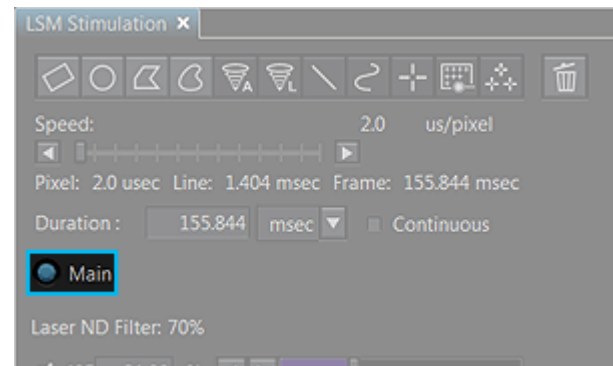
Setting the light stimulation

- 1** Select [LSM Stimulation] in [Tool Window] menu. [LSM Stimulation] Tool Window appears.

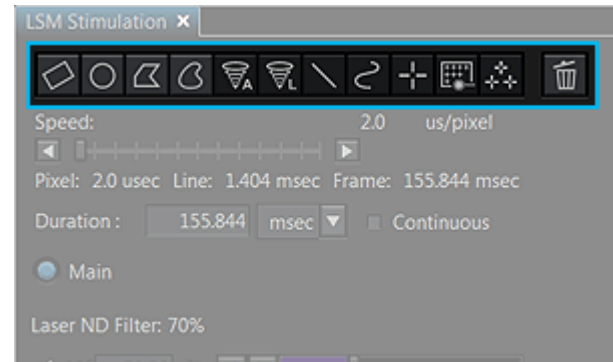


2

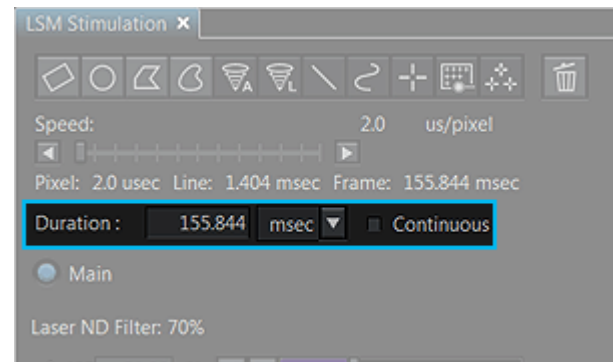
Set the scanner to be used for the light stimulation to "Main". (If only the main scanner is installed on the system, confirm that it is selected.)



- 3 Select ROI, and specify the light stimulation range in the LSM live range on [\[Live\] Window](#).

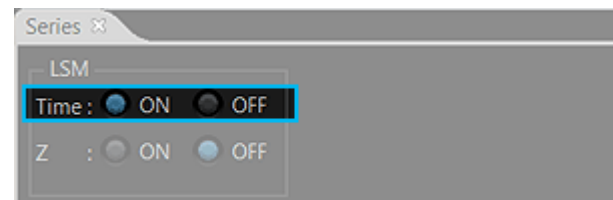


- 4 Uncheck [Continuous] in [Duration], and enter the duration of the light stimulation in the box.



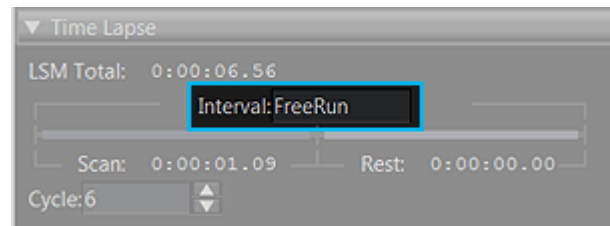
Setting the T series image acquisition

- 1 Set [Time] to "ON" on [Series] Tool Window.




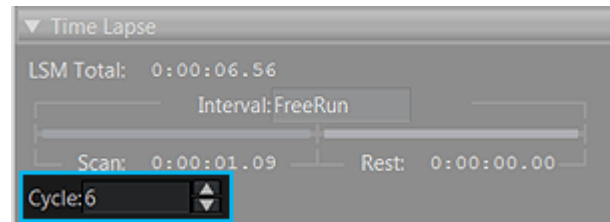
- 2 Set the interval to acquire the image in [Interval] on [Time Lapse].

If you attempt to set the time shorter than the time displayed in [Scan] (time taken for acquiring 1 cycle image) in [Interval], "FreeRun" appears. In this case, the interval to acquire the image is the time displayed in [Scan].



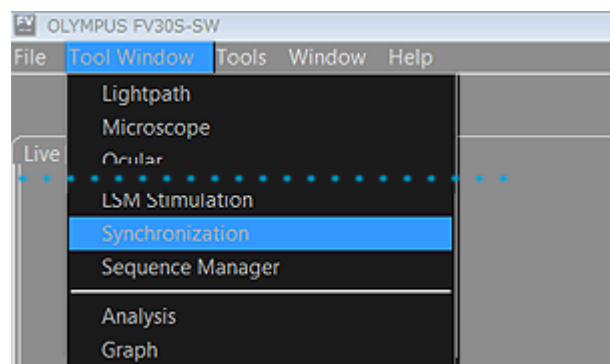
- 3 Set the number of image acquisitions in [Cycle].

 The time from the start of the T series image acquisition to the end of the T series image acquisition is calculated and displayed in [LSM Total]. Set [Cycle] so that [LSM Total] becomes an appropriate time.

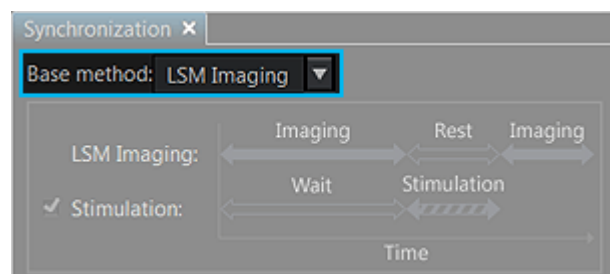


Creating the timeline

- 1 Select [Synchronization] in the [Tool Window] menu. [Synchronization] Tool Window appears.

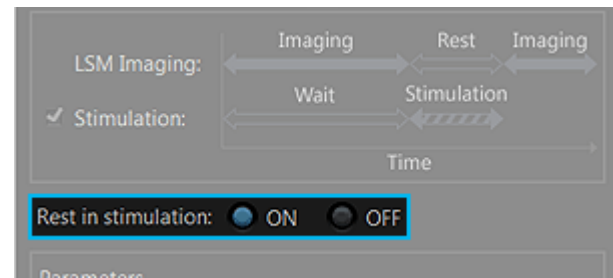


- 2 Select "LSM Imaging" in [Base method]. The image acquisition becomes the reference of the start time.

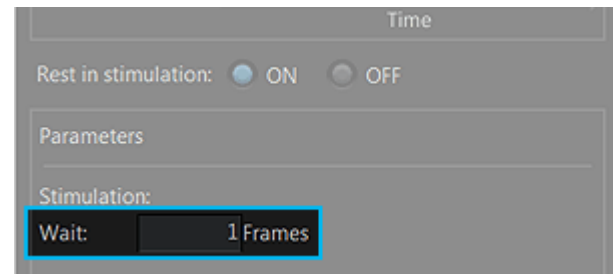


- 3

Select "ON" in [Rest in stimulation]. The image acquisition stops during the light stimulation.



- 4 Set the timing to start the light stimulation by the number of imaging frames. Double-click the [Wait] box and enter the number of imaging frames.




Executing timeline

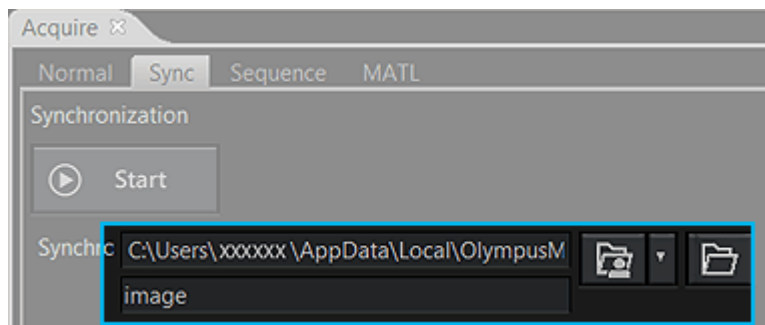
- 1 Select [Sync] tab in [Acquire] Tool Window.

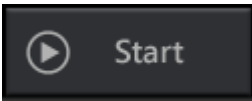


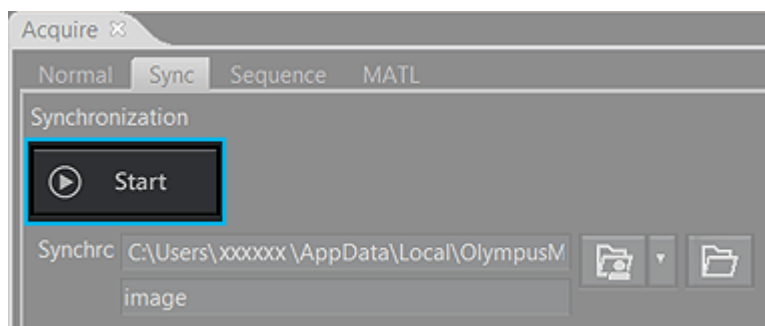
- 2 Press the  button to display the dialog box, and select the folder for saving the image.

 In order to organize files easily after acquiring the images, it is recommended to create a new folder before acquiring the images and specify that folder as the save destination of the images.

 The acquired images are saved automatically.



- 3 Press the  button. The image acquisition or the light stimulation starts according to the timeline set in [\[Synchronization\] Tool Window](#).



  : Stops the image acquisition or the light stimulation.