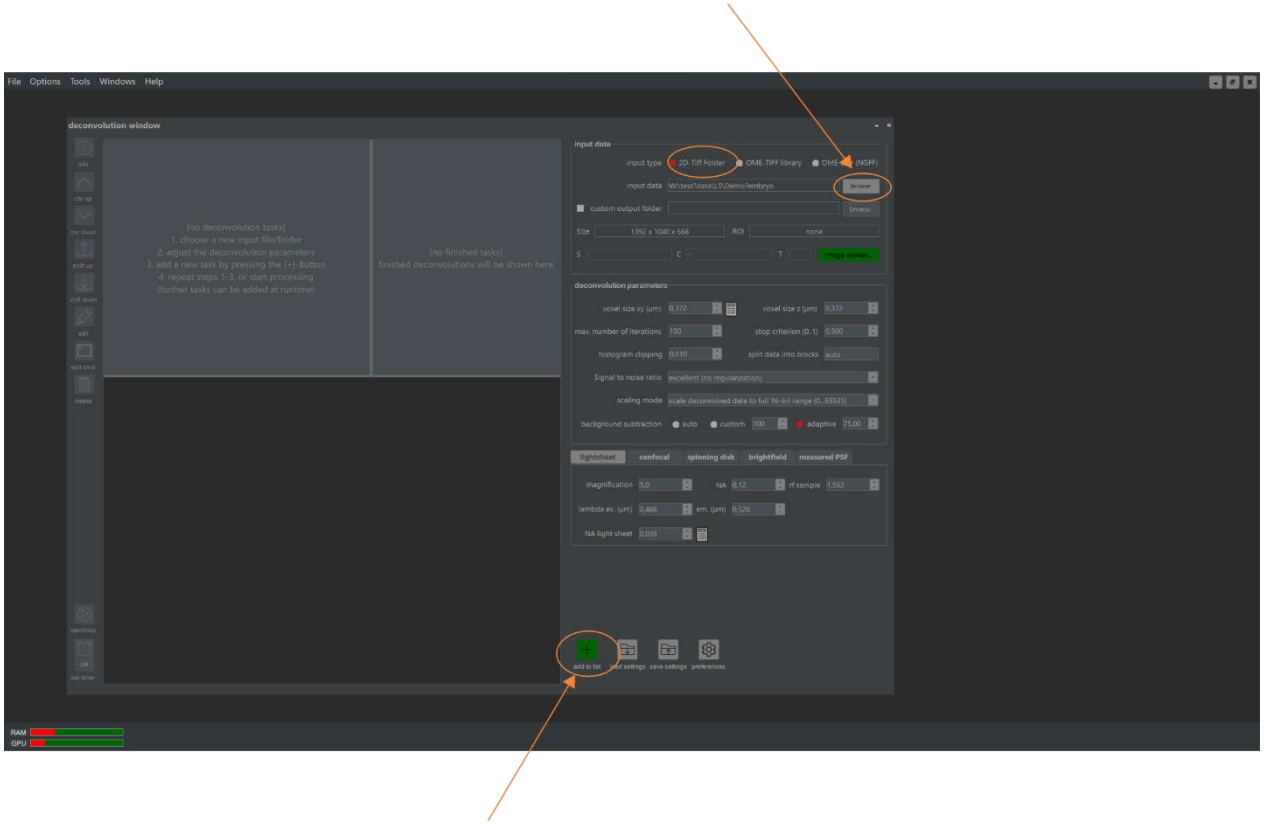
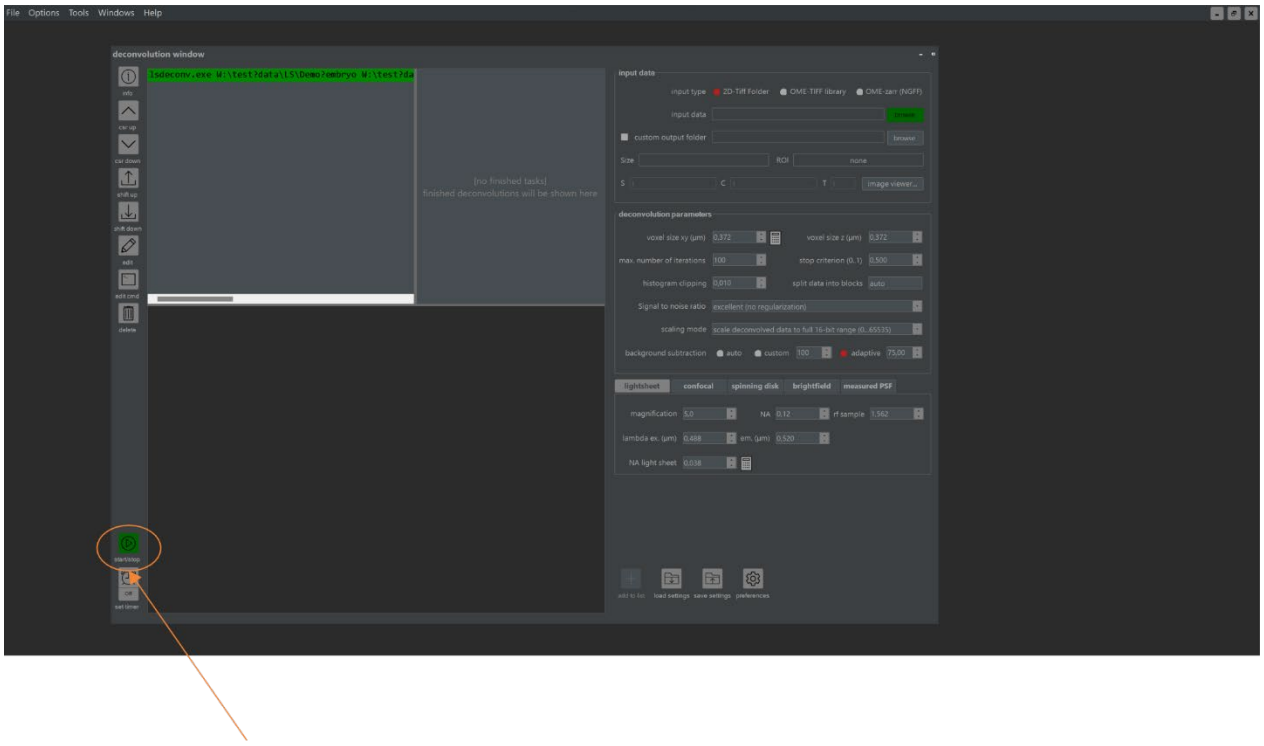
Short manual for deconvolving the demo mouse embryo

1. Select the demo data containing a series of numbered 16-bit tiff-images here here. Option D tiff folder” radio button must be active for this.

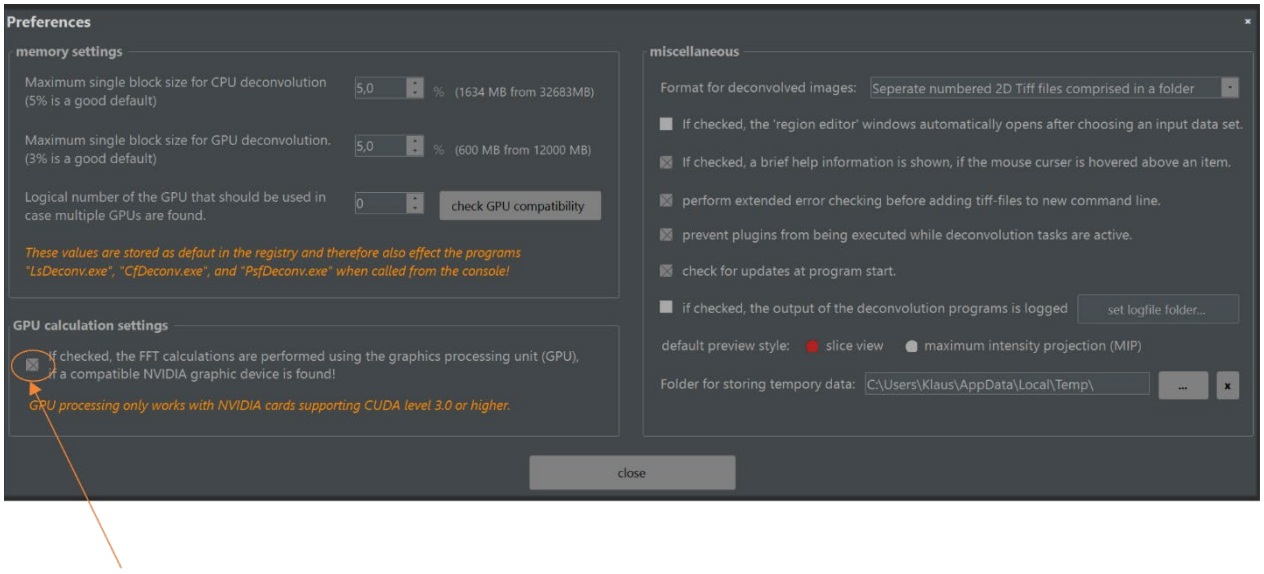


2. Please set all parameter values as indicated in the screenshot. Afterwards, press the “+” button to create a new deconvolution task.

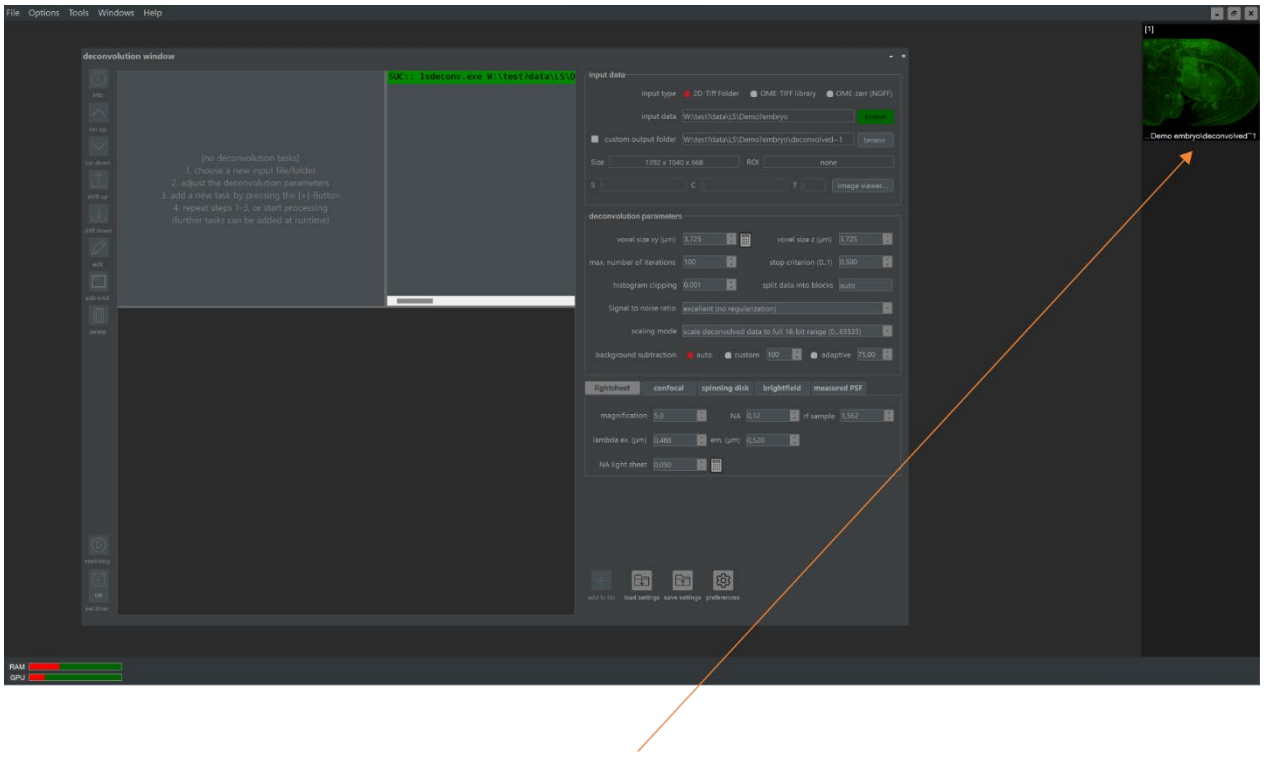
NOTE: When deconvolving your own data for the first time, it is recommended to not use the "apply adaptive background subtraction" option, as setting a suitable value for the "rolling ball radius" often requires some previous trial and error to provide good results. Please begin with using the “auto” option instead and experiment with the adaptive background subtraction option later.



3. Press her to start processing the job list. The progress of the calculations is logged in the command window.



4. Deconvolution will run up to 100 times faster if the option for GPU acceleration is enabled from the options menu - preferences. However, it requires a compatible Nvidia graphic card with at least 4 GB RAM supporting CUDA compute level above 3 as e.g. used for gaming.



4. After the deconvolution has been finished successfully, a preview icon is generated. Double clicking on it shows a preview window providing additional options, as showing MIP-projections from different directions or comparisons with the original data in two synchronized windows. A right mouse click on the preview icon or on the entry in the list of finished jobs show a menu with further options.