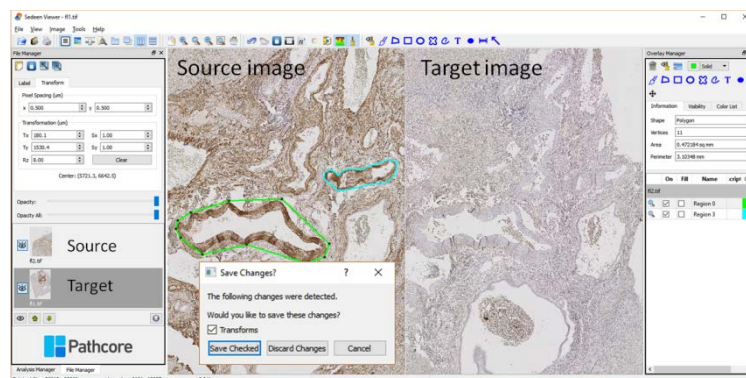# User Manual for ExportTransformedROI Plugin

This plugin is designed to copy an annotation from one image to another. It will take into account any transformations used to align the source and the target images. The steps for using ExportTransformedROI plugin are explained below:
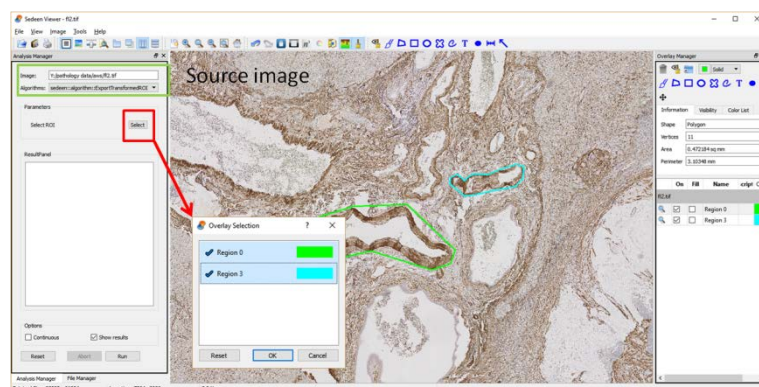
1. Load the two images to be aligned with each other. NB ROIs can be exported to any image format supported by Sedeen but the pixel spacing must be the same in both images.
2. Define annotations on the source image.
3. Manually align the images using the instructions provided in this video:

   http://pathiip.org/?q=node/34

4. After aligning the images, close the target image where the ROIs are going to be added. If you transformed the target image you will be asked whether you want to save the changes – make sure that the Transforms option is checked and that you click the "saved checked" button. This will save the transformation parameters to the session xml file.

5. From the list of the loaded images select the source image with the annotations of interest.
6. In the Analysis Manager panel choose the ExportTransformedROI algorithm.
7. Click on the Select button and select the ROIs to be exported and then click OK.
8. Click on the Run button (at the bottom of the analysis panel).

9. From the "Save File" dialog box choose the target image where the ROIs will be exported to and then click on "Save" button. The annotations will be copied to the session xml file of the target image.
10. Open the target image to check the ROIs.

More ROIs can be added to the target image at anytime. It is possible to modify the transformation so long as the target image is closed and the new transformation is saved before running the plugin. It is also possible to add regions from a different source image.