Extended Fig. 1 | Manual Annotation Tool. The MATLAB-tool used for generation of ground-truth, injection region removal, and correction of systematic errors at blood vessels and the brain outline. Column **(a)** shows a zoomed in portion of the contrast enhanced original image with the detected annotations overlayed in cyan, column **(b)** shows the annotator marking the missed neuron fragment in green, column **(c)** shows the annotator marking the *false-positives* using an arbitrary polygon, and the column **(d)** shows the result of the annotation after the correction corresponding to the images in column **(a)**. Each column shows an example of WSI image annotation in the top row, while the STP annotation is shown in the bottom image.