1. Create a directory with images in nifti (\*.nii) format (\*.nii.gz files are also supported)
2. Run the cors\_webserver.py program in the neuroglancer github repository. It can also be downloaded directly from: <https://raw.githubusercontent.com/google/neuroglancer/master/cors_webserver.py>

Run it as: python ./cors\_webserver.py [-d <directory>] [-p <port>] [--bind <address>]

For example, if the images are in /my/directory, run it as:

python ./cors\_webserver.py -d /my/directory

By default, it listens on localhost (127.0.0.1) only on port 9000.

1. On chrome open the following URL
2. <http://neuroglancer-demo.appspot.com>  
   Specify the base channel file as source
   1. nifti://[http://127.0.0.1:9000/average\_template\_25.nii](http://127.0.0.1:8000/average_template_25.nii)
   2. Set this to be an image rather than a segmentation
3. Add the segmentation layer as an additional channel (Note that this must be done like adding a new image)
   1. nifti://[http://127.0.0.1:9000/annotation\_25\_2017summer.nii](http://127.0.0.1:8000/annotation_25_2017summer.nii)
   2. Change “\_'annotation\_25\_2017summer.nii':{'type':***'image***'\_'source':'” in the URL to \_'annotation\_25\_2017summer.nii':{'type':***segmentation***'\_'source':'
      1. This is done by changing the type in the bar on the right
   3. Click ‘Set to Identity’: This will re-center the segmentation mask immediately over image selected
      1. This likely will reset each of the Output-Source Dimension matrix to the identity (add will *hopefully* appropriately scale the images!)

Basic Functionality:

1. Scrolling with mouse-wheel moves image across view (x,y,z or overall)

2. Holding CTRL+mouse-wheel scrolls in and out of each selected plane

3. Opacity and color saturation of a mask can be set under “Render” tab

4. Layers can be turned on and off using the top set of tabs

5. The location of the computer mouse in the image and the location of the image

relative to the origin can be seen in the top left corner of the image

6. To add another layer, press the plus (+) button on the upper set of tabs

7. Note that images are of image type unit16, while masks are of type unit8

this hopefully will not affect much, since it appears that both types display without

distortion, but something to note. Note the settings in the image below for correct usage

