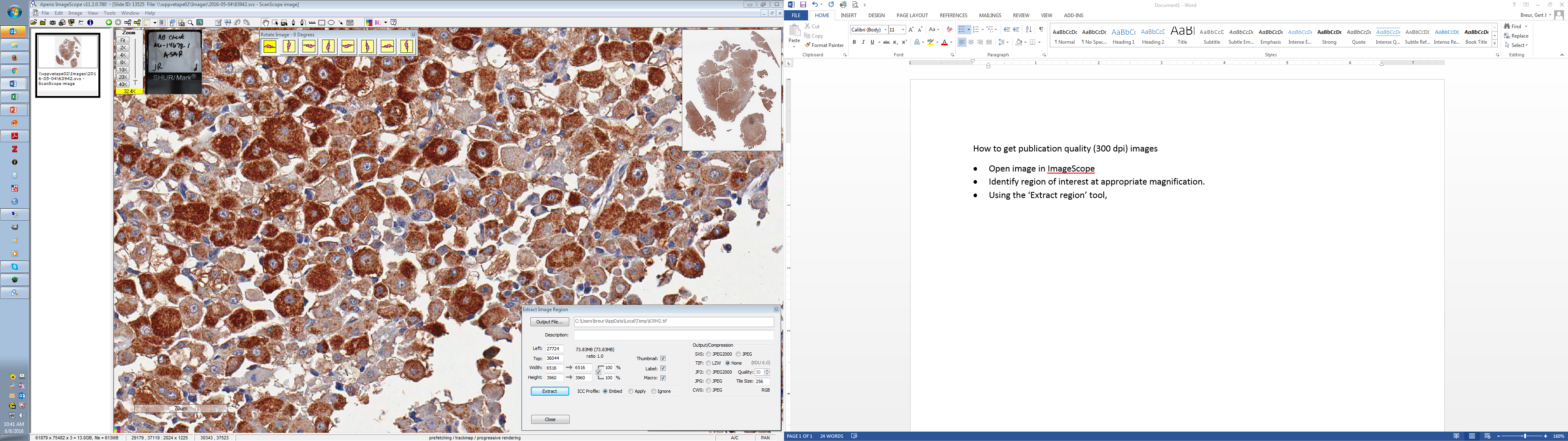
How to get publication quality (300 dpi) images

**Image capture**:

* Open image in ImageScope
* Identify region of interest at appropriate magnification.
* Using the **‘Extract region’ tool**, , create your region of interest. The easiest is to capture the entire image, including the magnification bar.
* Then, click ‘**Output File** . . .’ (target folder), add a description and click **‘TIF: None’**.
* Click **‘Extract’**.
* Your Image has been saved now at 96 dpi. You can check this by going to the folder that contains the saved image and Right Click **‘Properties’** on the file. Click the **‘Detail’** tab and scroll down: you will find the resolution in **dpi** under **‘Horizontal Resolution’ and ‘Vertical Resolution’**.

**Increasing dpi to Journal requirements (usually 300 dpi):**

* Open the image of interest in Photoshop.
* Click the **‘Image’** tab.
* Click **‘Image Size’**.
* Choose **‘Smaller image size’**, followed by for instance by clicking **“Fit to” and 4x 6” 300 dpi.**
* Do final cropping.
* Add letters, numbers, arrow, magnification bars, etc. Create a new layer for each new letter or symbol.
  + Letters and numbers
    - Click on the **‘Type’** tool in the left panel (This creates a new layer). Select the type direction you desire. (Fig. 1)  Fig.1
    - Set the type, size, and color. (Fig. 2)

Fig. 2

* + - Make sure you color selection is the foreground color. (Fig. 3)  Fig.3
    - Place your cursor on the image and draw a text box. Type in your label.
    - Click on the **‘Move’** tool to position the label where you desire it. (Fig. 4)  Fig 4
  + Arrows
    - Click on the **‘Shape’** tool in the left panel and select ‘**Custom Shapes’**. (Fig. 5)  Fig.5
    - Use the **‘Custom Shapes’** palette to set the color, weight, and pattern of your shape. (Fig. 6)

 Fig. 6

* + - Select the shape you desire. (Fig. 7)

 Fig. 7

* + - Place your cursor on the image and draw the shape.
    - Use the **‘Move’** tool to position the shape where you desire it. (See Fig. 4)
    - You can also create arrows by using the ‘**Line’** tool. (See Fig. 5)
    - Select the color for you arrow.
    - Select the **‘Start’** and ‘**Weight’** of the arrow. (Fig. 8)  Fig. 8
    - Place the cursor on the image and draw your arrow.
    - Use the **‘Move’** tool to position it. (See Fig. 4)
    - The ‘Line’ tool gives a little more flexibility in positioning your arrow.
  + Magnification bar
* Save layered image as a PhotoShop image (PSD) with all the layers. This is your archival picture that you can use if you need to make changes.
* Click on **‘Layer’ 🡪 ‘Flatten Image’**. Save the flattened image and save under a new file name. For publications purposes, save as a **‘TIFF’** image.
* Your Image has been saved now at 300 dpi. You can check this by going to the folder that contains the saved image and right-click **‘Properties’** on the file. Click the **‘Detail’** tab and scroll down: you will find the resolution in **dpi** under **‘Horizontal Resolution’** and **‘Vertical Resolution’.**