

Post-processing of Images: Maximum Intensity Projection, Rotation and Cropping.

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05/28/15

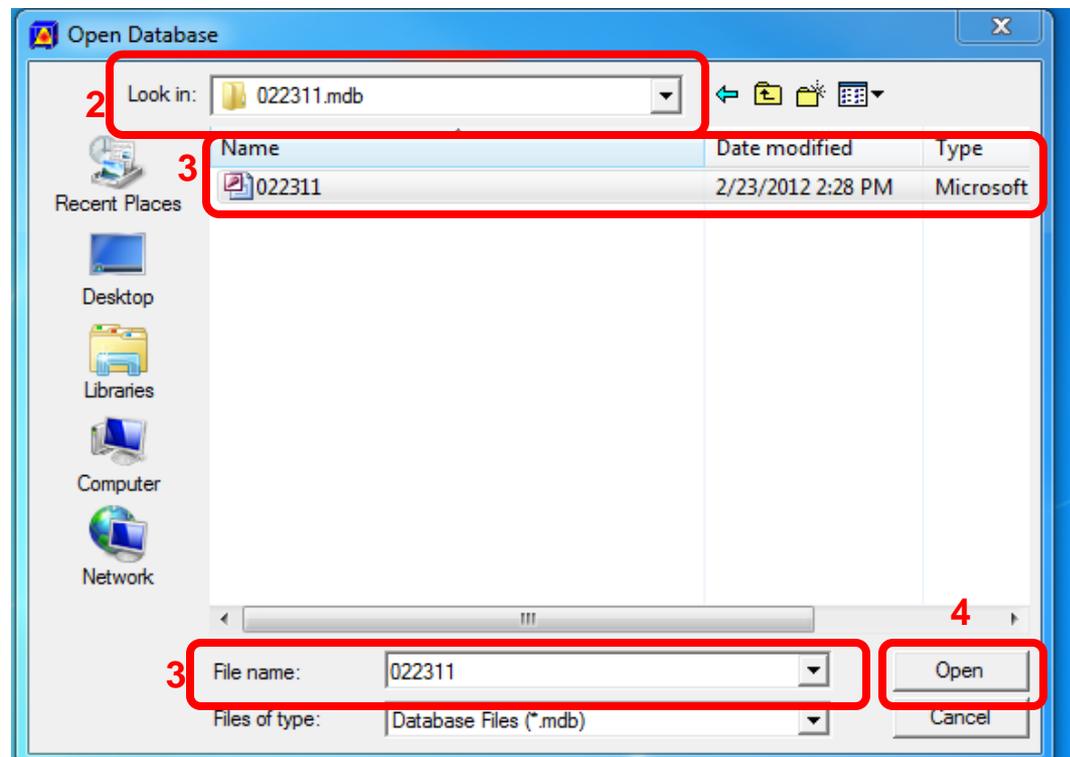
LSM510

LSM Image Browser



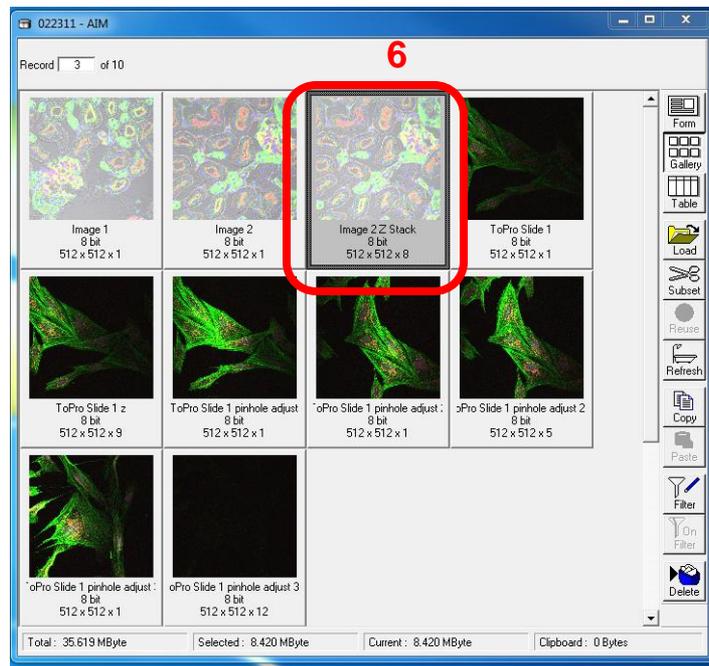
In LSM Image Browser:

1. Click Open.
2. Use “Look in:” to find your data base.
3. Click on the data base and see it in the File Name Box.
4. Click Open.

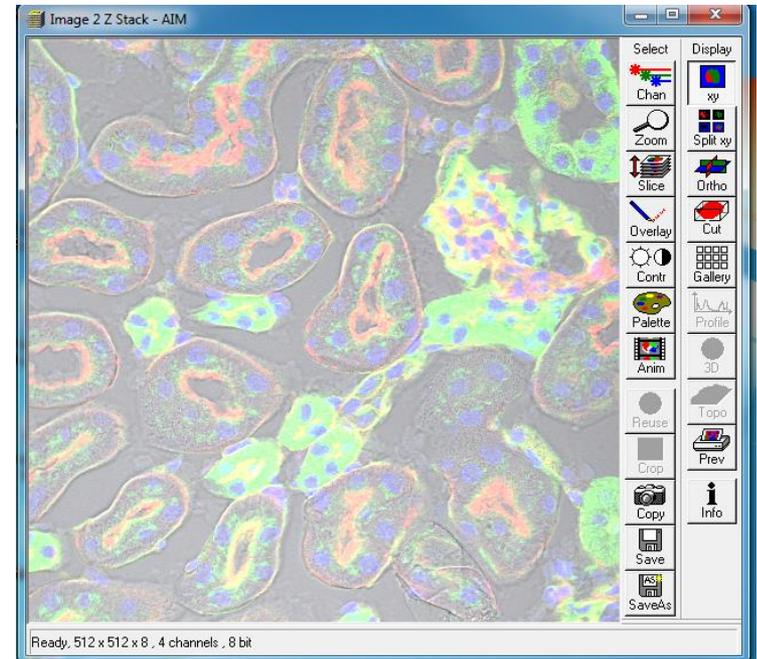


5. This opens the data base.
6. Select the image you wish to use. Double Click to open it.

5. Data Base

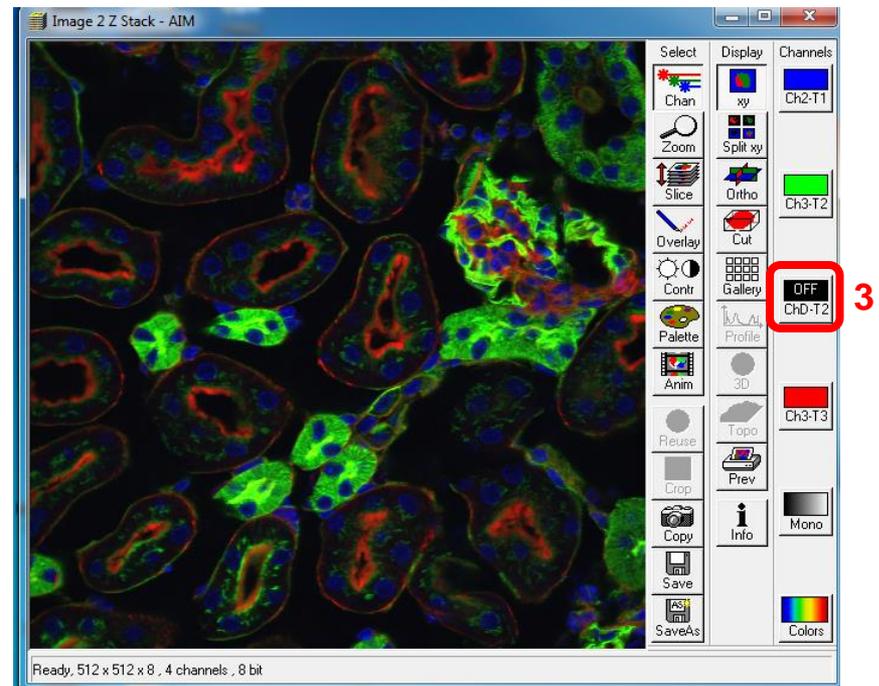
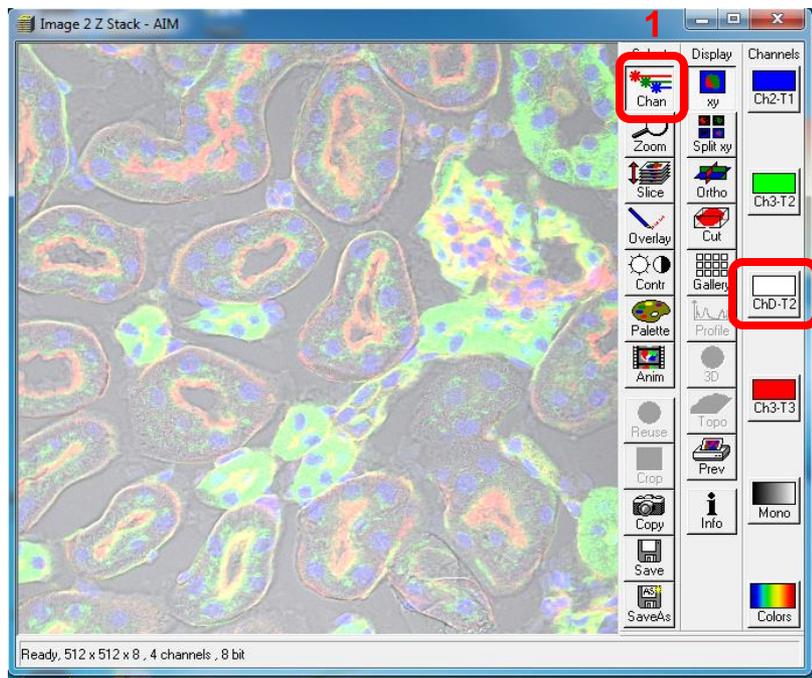


6. Image you wish to use.



This image contains DIC. I removed the DIC so the image would be easier to see as I progress through the procedures.

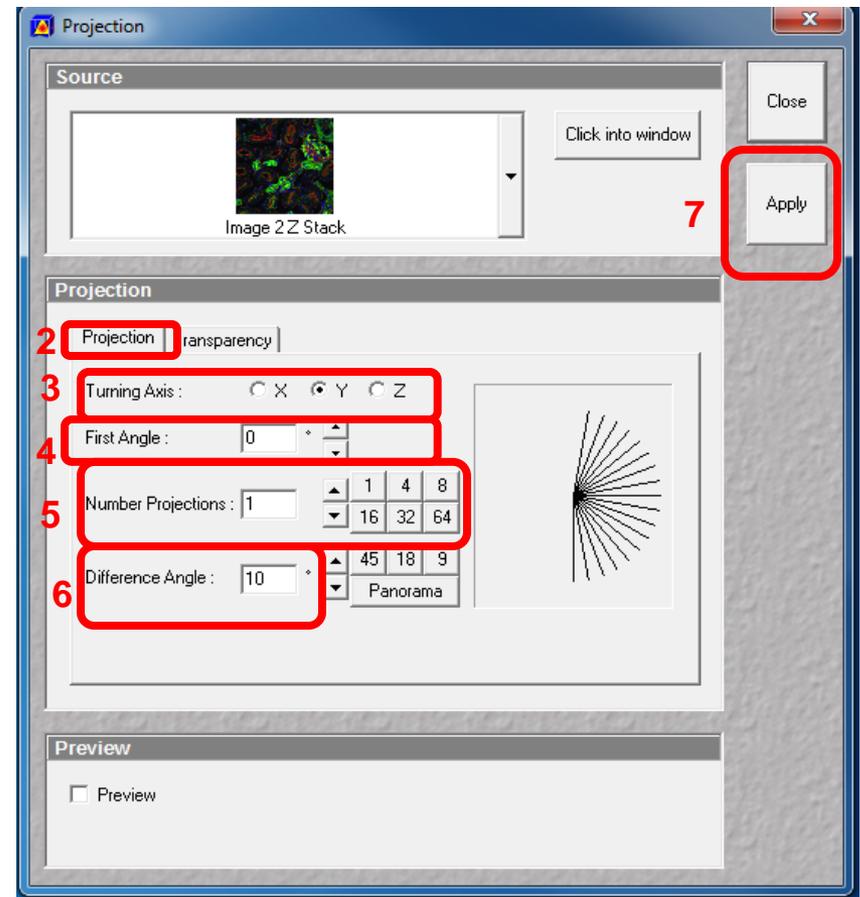
1. In the original image [on left] click the Channel Button.
2. In the DIC section, ChD-T2, click the colored window.
3. Change to off. You can see this in the second image.





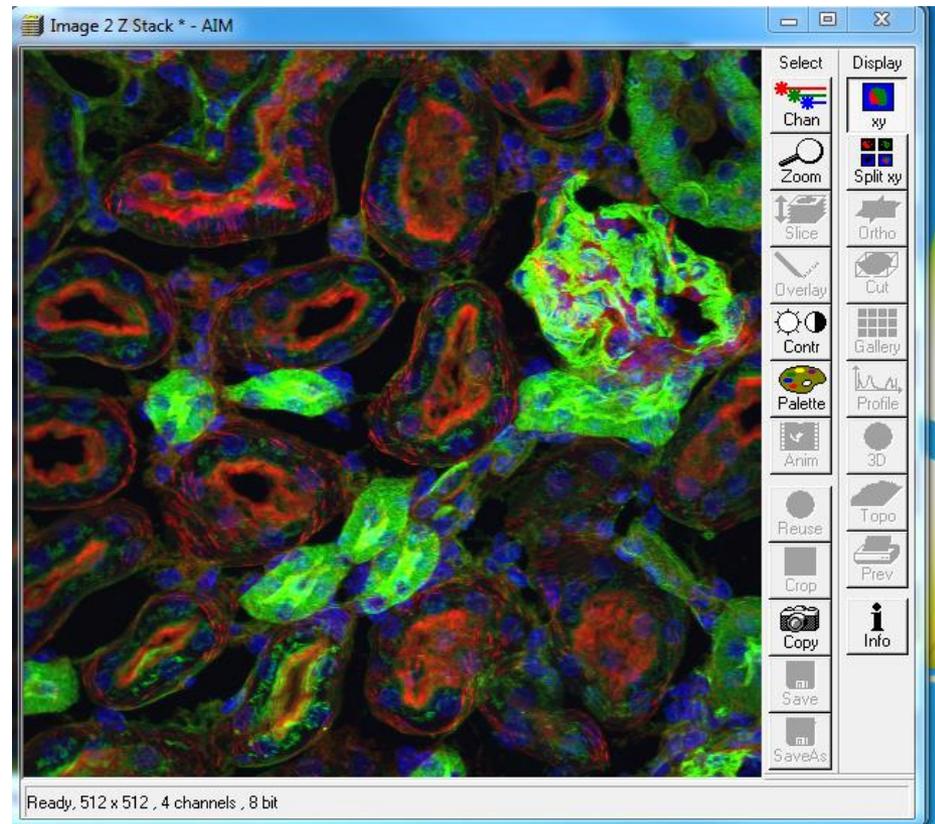
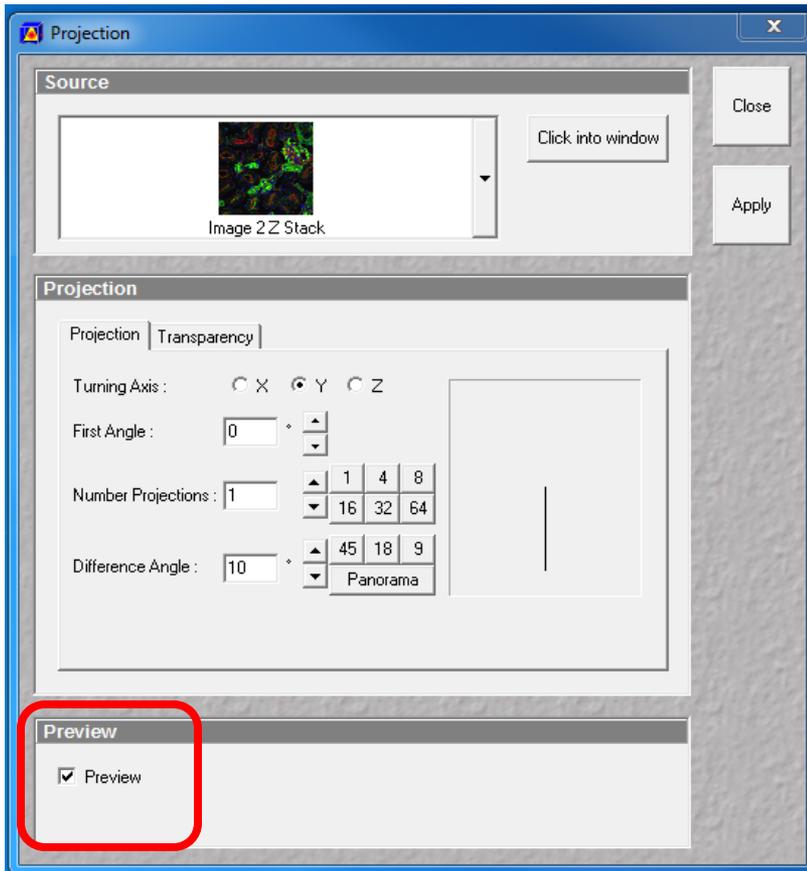
For Maximum Intensity Projection

1. Click Projection.
2. Make sure you are in the Projection Tab.
3. Set the Turning Axis to Y
4. First Angle is 0.
5. Number Projections is 1.
6. Difference Angle number does not matter.
7. Click Apply.

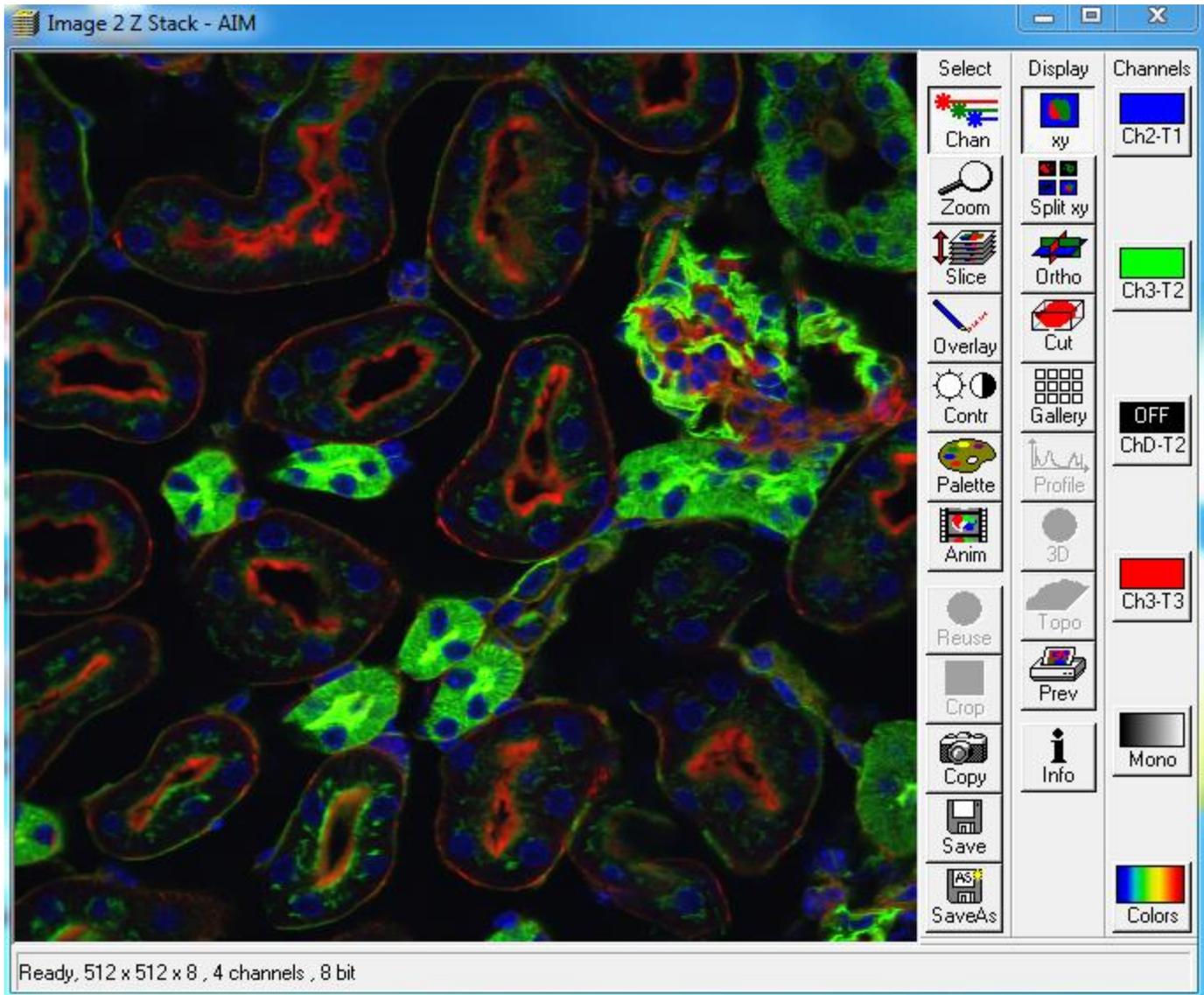


You can also check **Preview** to get a preview of your image before clicking **Apply**.

Preview Image:

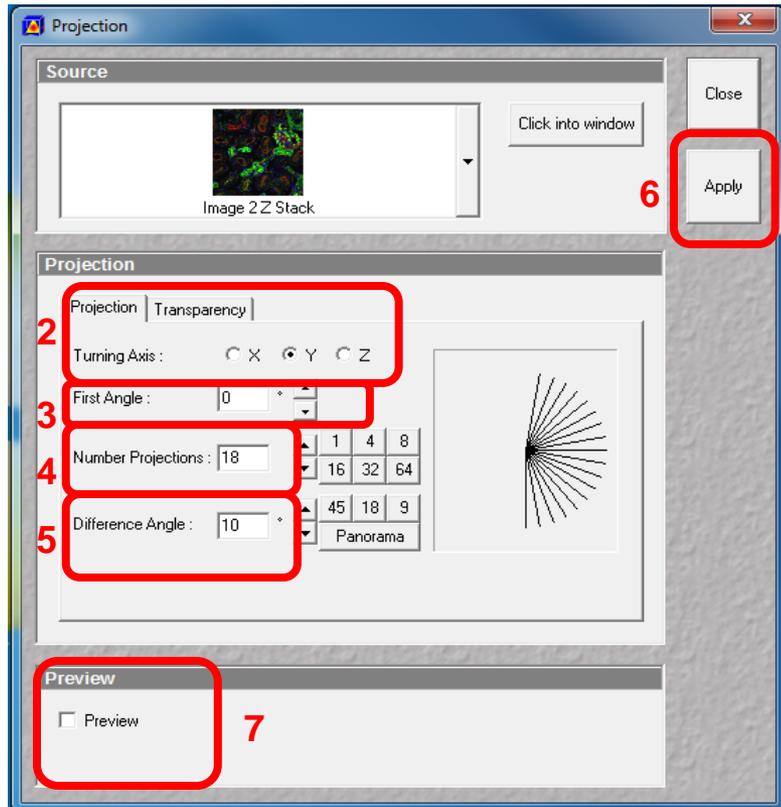
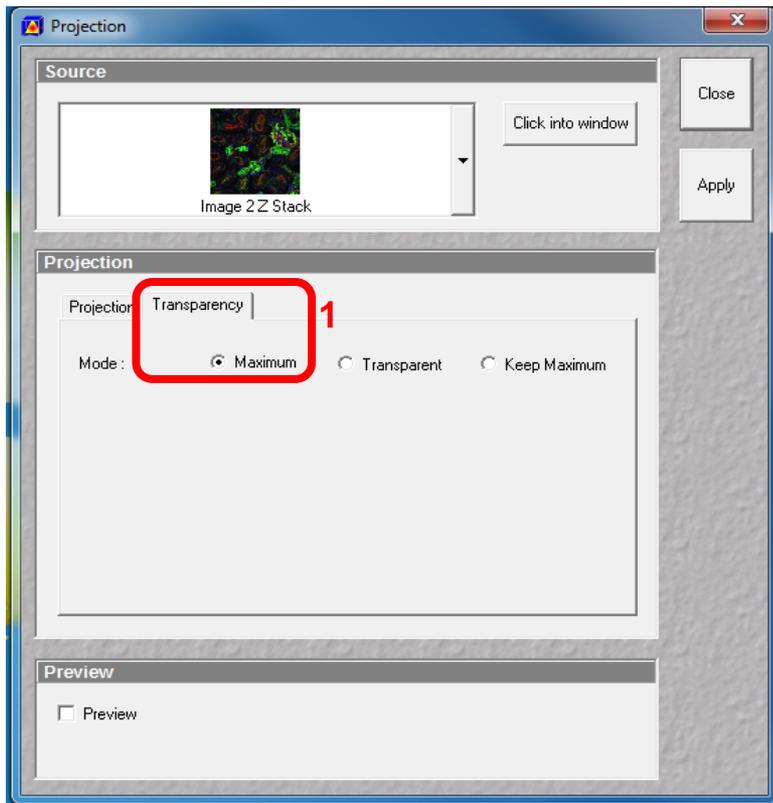


Maximum Intensity Image using LSM Image Browser

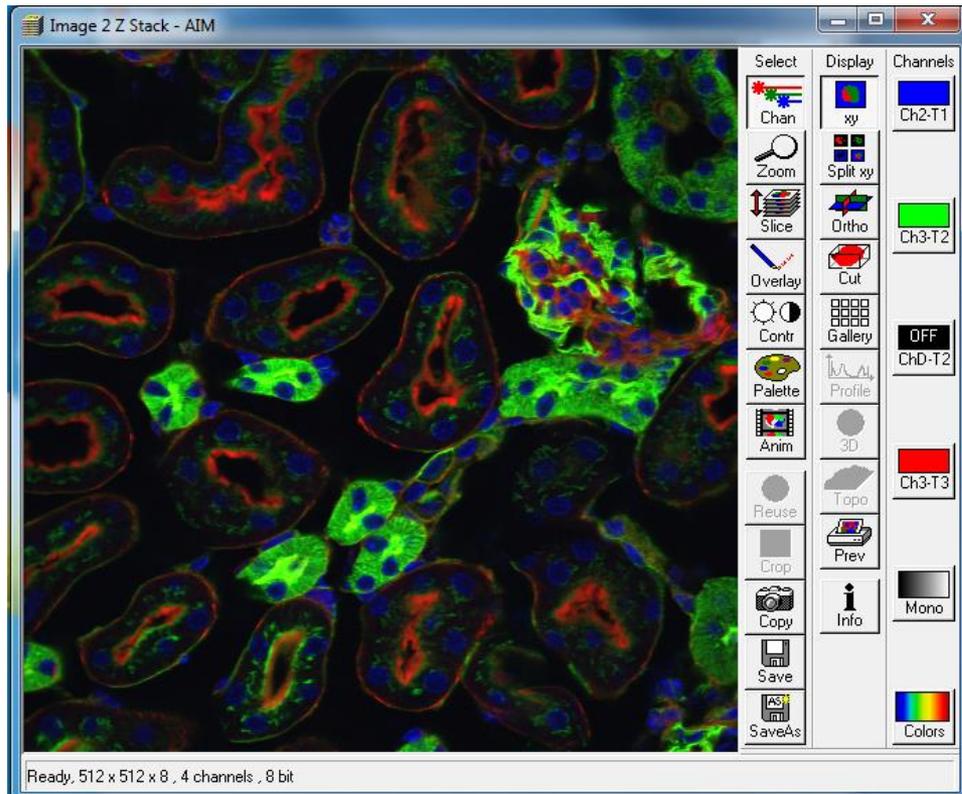


To get a rotating image:

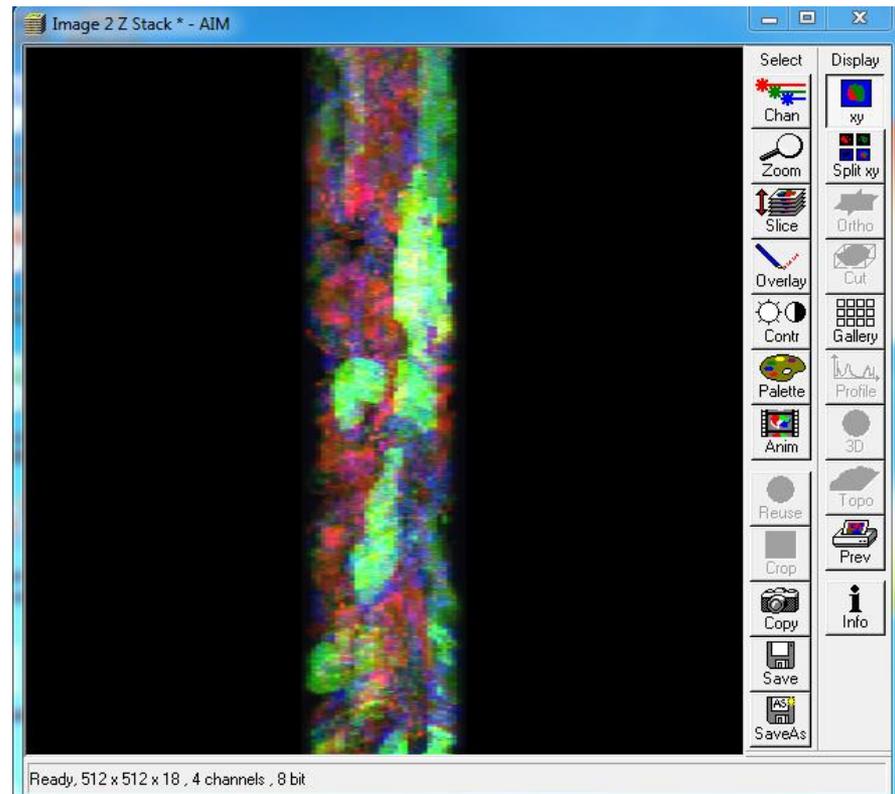
1. In Transparency Tab select Maximum.
2. In Projection Tab select Turning Axis as Y.
3. For First Angle select 0.
4. For Number Projections select 18. 18 is selected if you wish to rotate your image 180 degrees.
5. For Difference Angle select 10 [note: Projection and Difference Angle numbers need to equal 180 if you wish the rotation of the image to be 180 degrees.]
6. Click Apply.
7. If you wish you can also check Preview to see your image before clicking Apply.



Original Image

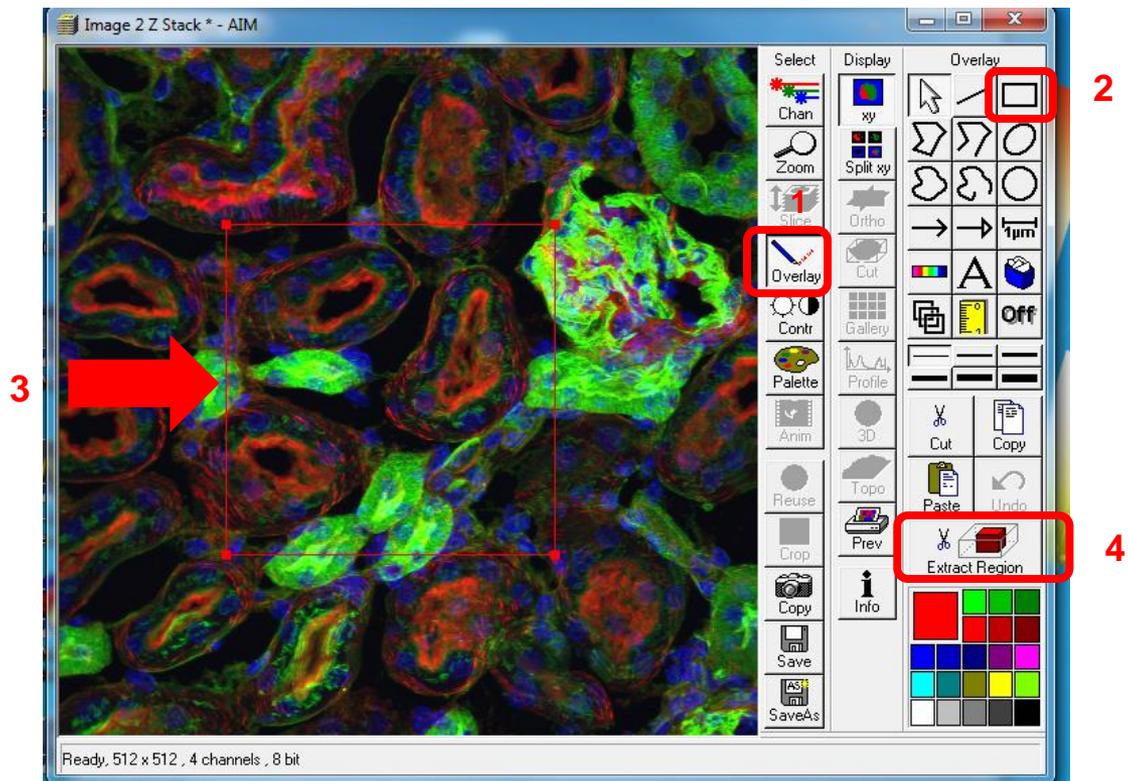


3D View Rotating Image

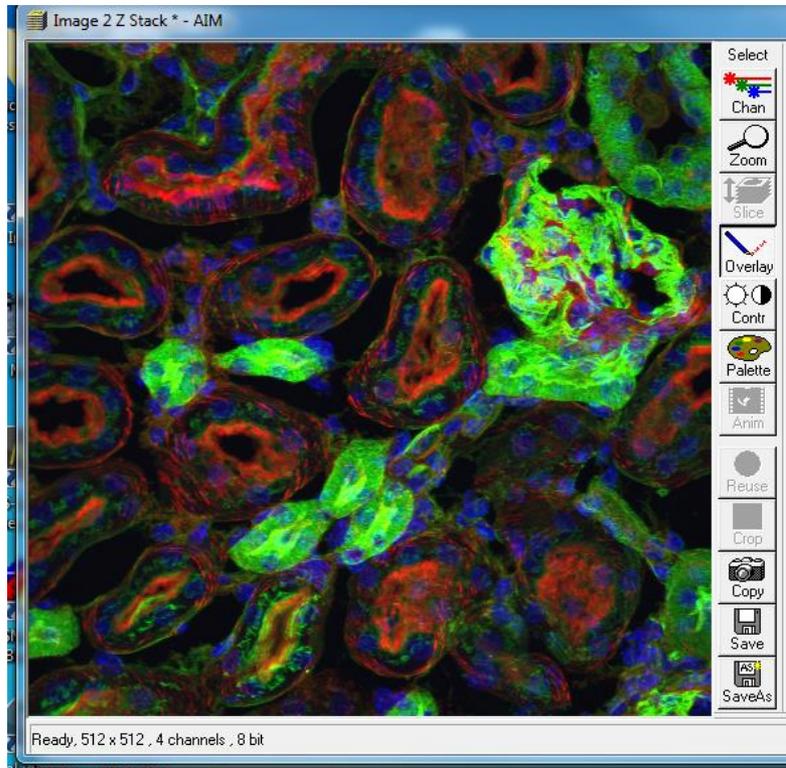


To Crop Image:

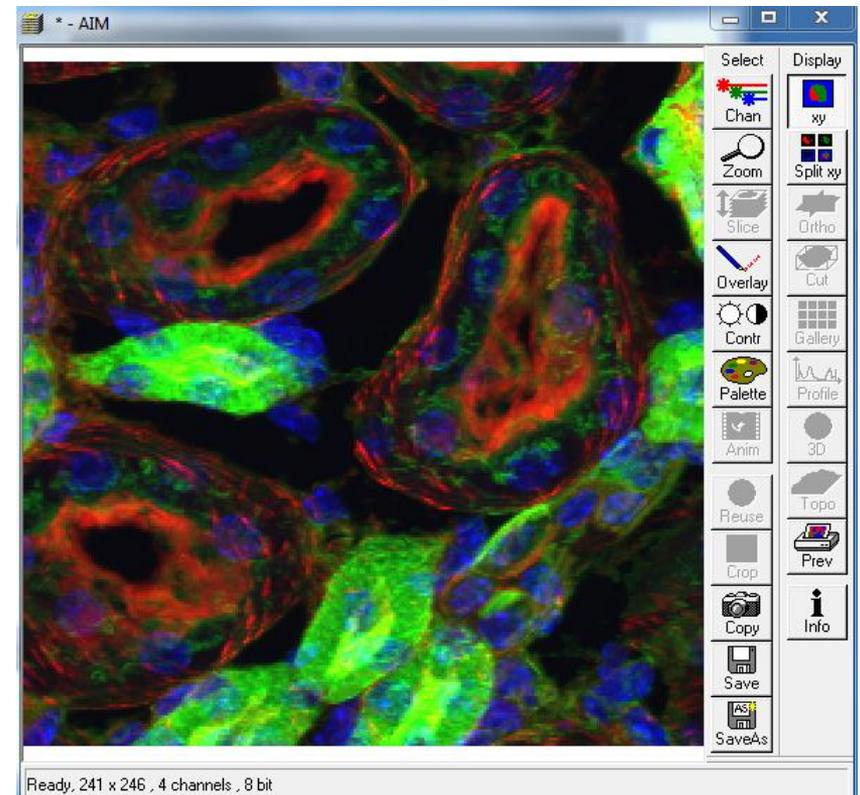
1. Click on Overlay.
2. Click on the Box Button.
3. Draw the area you wish to crop.
4. Click Extract Region.



Original Image

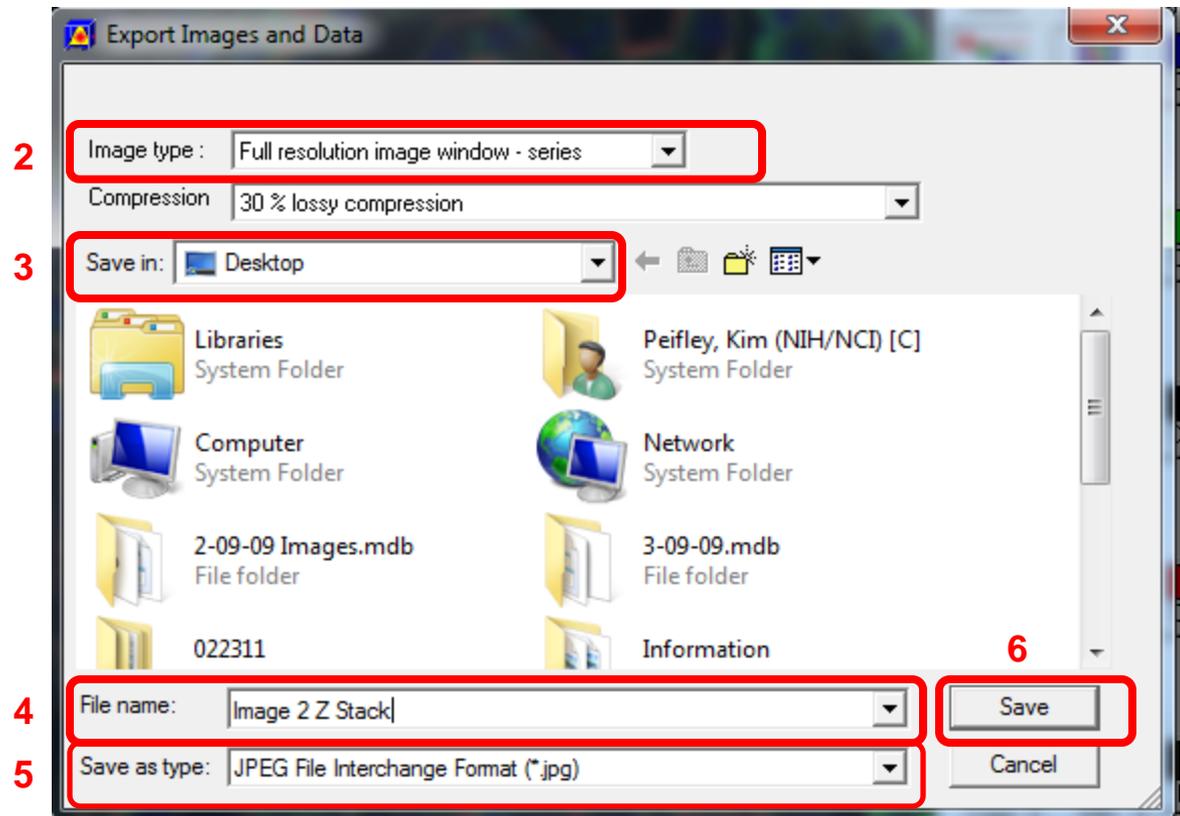


Crop Image



To save a single slice from a Z stack:

1. Click Export to get Export Images and Data window.
2. For Image type select: Full resolution image window – series.
3. Select where you wish to save the images.
4. Give the file a name.
5. Select the image type.
6. Click Save.



Your image now appears as individual images. A single .jpeg or .tif image for each slice.

