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MICROSCOPY NEW ZEALAND INC. CONFERENCE WORKSHOP 2017

Using the Angiogenesis Analyzer in Fiji 31 January 2017

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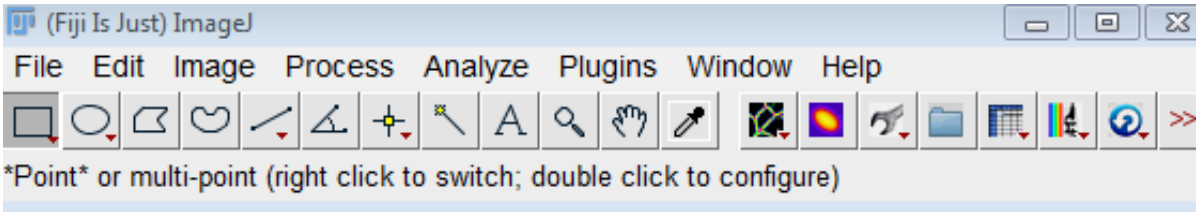
Available from: http://image.bio.methods.free.fr/ImageJ/?Angiogenesis-Analyzer-for-ImageJ

Installation - must be installed in the Toolsets folder (inside Macros folder)

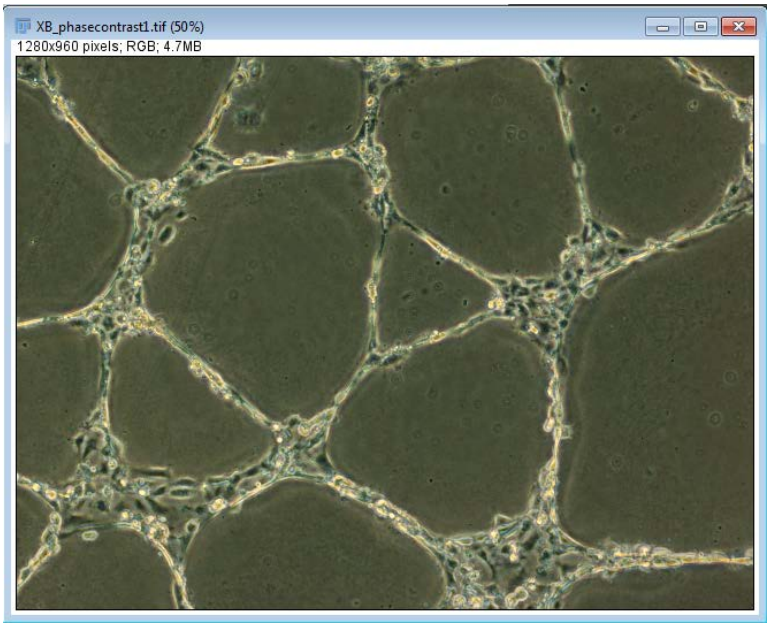
Comprehensive documentation is available on the website.

Image types - works on phase contrast and fluorescence images. Also seems to work on DIC. Phase contrast images must be RGB colour. Fluorescence images must be 8-bit or 16-bit grayscale.

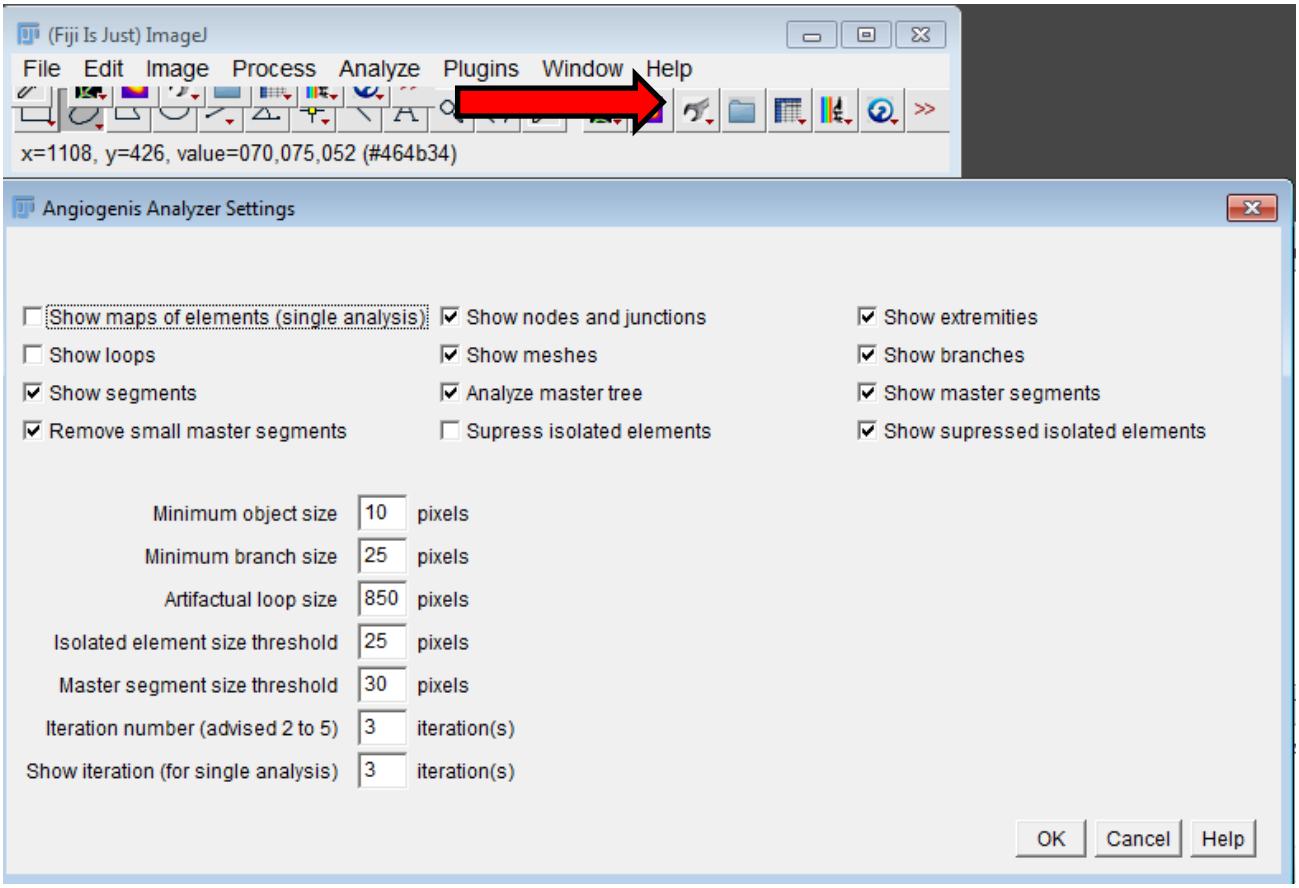
1. Select the **Toolset** by going to the **>>** on the RHS of the **Fiji Tool Bar** and selecting **Angiogenesis Analyzer.** This installs the necessary options into the tool bar;



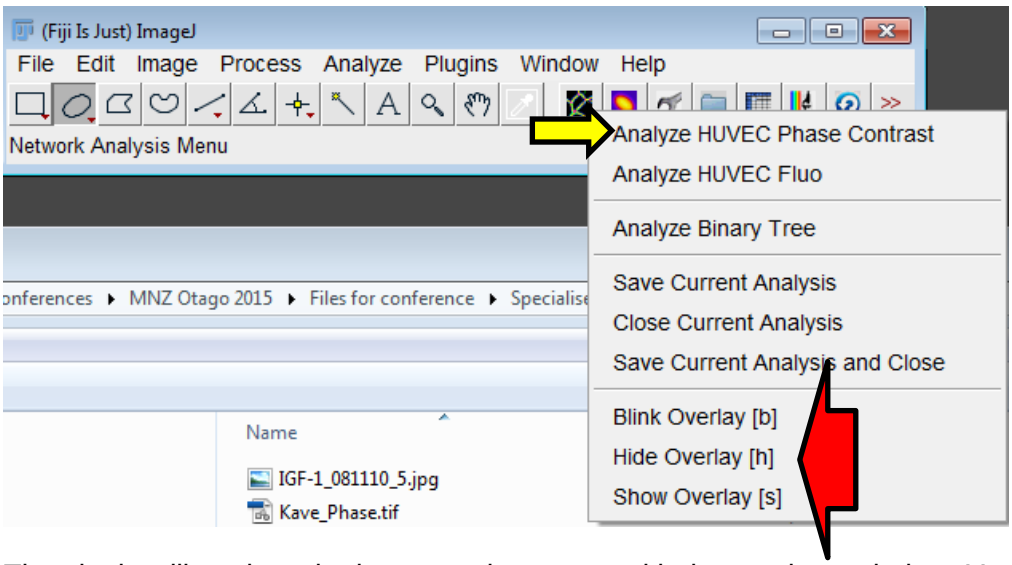
2. Open the image called **XB_phasecontrast.tif**;



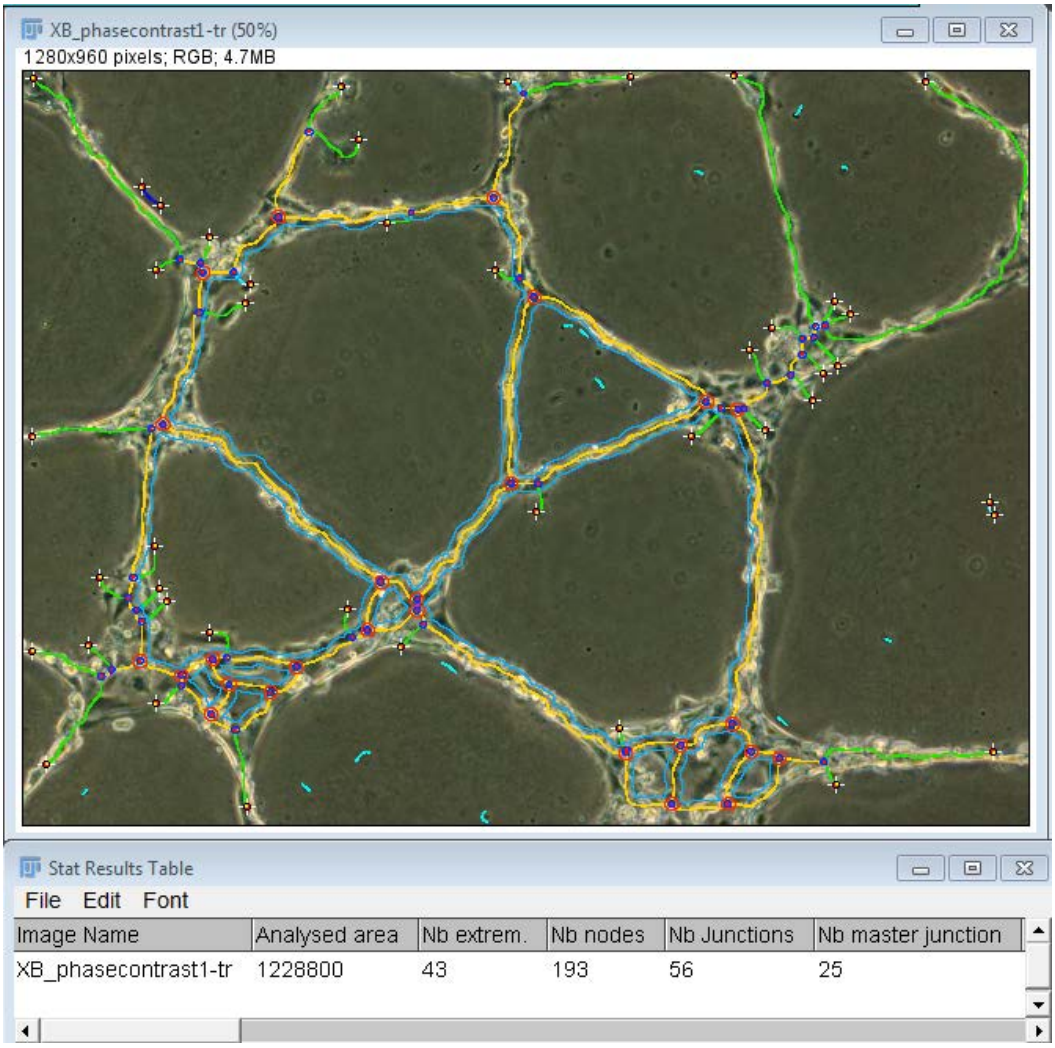
3. Select your **Settings** from under the ***Spanner*** icon;



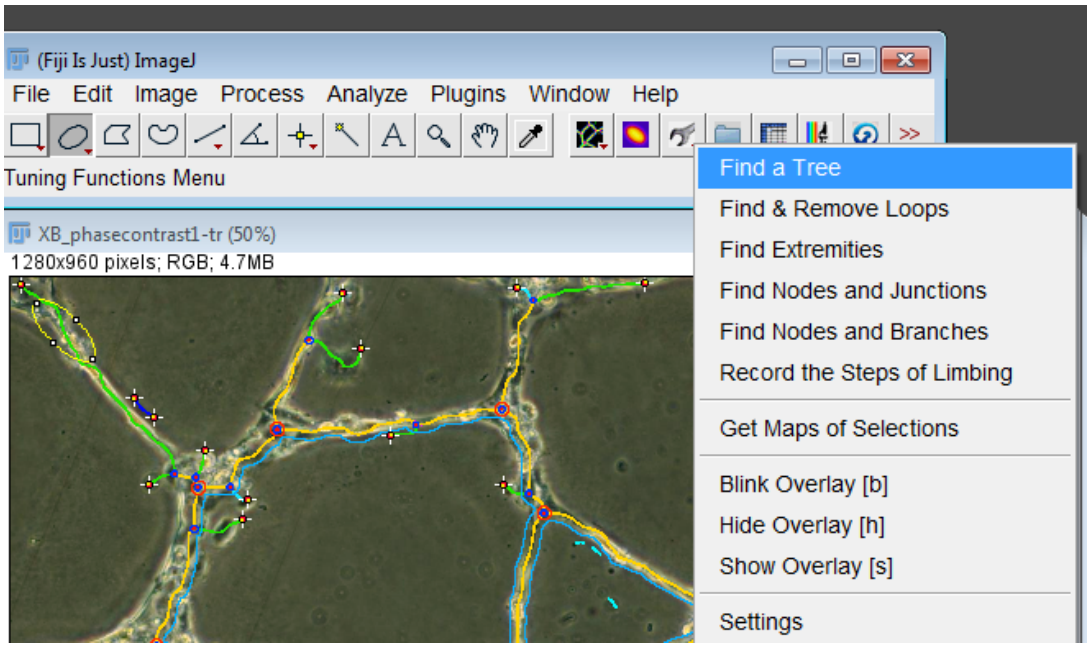
4. Then go to the first icon and select **Analyze HUVEC Phase Contrast**;



5. The plugin will analyse the image and come up with the overlay as below. You can turn the **Overlay off/on** to see how well the segmentation has worked. Save the **Stat Results** table.



6. There are other options available under the Spanner for further analysis;



7. Try out the analysis using the DIC image (**IGF-1_081110_5.jpg**) or the **Demo** images from Gilles (fluorescence and pseudo-phase contrast).