ImagejMacro Pre/Post-Processing Plugin for OpenPolScope software

ImagejMacro processing with Pol-Acquisition and Pol-Analyzer plugin v. 2.0,

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Overview
A macro is a simple program that automates a series of ImageJ commands. More information can be found here [http://rsbweb.nih.gov/ij/developer/macro/macros.html](http://rsbweb.nih.gov/ij/developer/macro/macros.html)

//Eg.1:  PreProcessor Macro for Pol-Acquisition / Pol-Analyzer
setFont("SansSerif", 50, "antialiased");
setColor("black");
drawString("Pre-Processed", 100, 100);
run("Gaussian Blur...", "sigma=2 slice");

//Eg.2:  PostProcessor Macro for Pol-Acquisition / Pol-Analyzer
setFont("SansSerif", 50, "antialiased");
setColor("white");
drawString("Post-Processed", 100, 200);

The above two codes are examples of ImageJ macro files.
Eg. 1 first writes the text 'Pre-Processed' on the raw image and then performs a Gaussian Blur on the raw image.
Eg. 2 first writes the text 'Post-Processed' in white on the computed image.

**Note:** The distinction between Pre & Post in context to Pol-Acquisition & Pol-Analyzer is that a 'Pre' macro affects the Raw images and the 'Post' macro affects the Computed images.

There are a number of built-in functions available in ImageJ that can be utilized. [http://rsbweb.nih.gov/ij/developer/macro/functions.html](http://rsbweb.nih.gov/ij/developer/macro/functions.html)

On top of that any third party plugin installed in ImageJ that supports macro commands can also be utilized. [http://rsb.info.nih.gov/ij/plugins/index.html](http://rsb.info.nih.gov/ij/plugins/index.html)

Additional examples of imageJ macro's can be found here [http://rsb.info.nih.gov/ij/macros/](http://rsb.info.nih.gov/ij/macros/)

Once the sample is acquired or re-processed the ImagejMacro filename is inserted in the image metadata.
Selecting Processing: ImagejMacro

On the Pol-Acquisition or Pol-Analyzer interface, select the checkbox corresponding to the ImagejMacro Pre/Post-Processing plugin. If ImagejMacro is not listed as available then you may need to install it via the OpenPolScope Setup.

Overview of Options

Apply to Sample: Applies the selected macro to the Sample dataset when running Process or Acquisition

Apply to Background: Applies the selected macro to the Background dataset when running Process or Acquisition

All Channels: Applies the selected Macro to all channels in the dataset. If a channel specific macro is selected this selection should be disabled.

Edit: The selected macro will open in an editable text window.
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