PlancheHisto Manual

28/06/2022

sebastien.schaub@imev-mer.fr

I. Goal

The program helps to adapt white balance between images to get homogeneous gallery. It uses the ActionBar from J.Mutterer

II. Installation

Program, tutorial are available here : https://github.com/SebastienSchaub/PlancheHisto

A video tutorial is available here : https://twitter.com/i/status/1409864168749027329

- For simplicity the program and icon images are incorporated in the directory of ImageJ.
- Copy the folder "macros" and "plugins" in the Fiji/ImageJ folder (no file will be overwritten except action_bar.jar if you already have).
- Open ImageJ
- Plugins > Macros > Run… and select [Home Directory]\macros\MICA\PlancheHisto.ijm.

III. How to Use

Here are the functions linked to the program :

[1] Open : To open an image. It convert the image in 3 channels (R,G,B).

[2] Reset :To reset the white balance per channel from 0 to intensity max.

[3] Copy : copy the ratio R,G,B range to apply to other image

[4] W.B. : Apply automatic white balance on the current ROI (if no ROI, apply it on the whole image)

[5] Paste : Apply white balance on the image to make that the ROI has the same ration R,G,B as in the copied ROI.

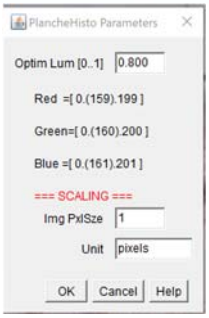
[6] Apply : Apply the same transformation to the current image.

[7] Scale : Show or hide the scale bar

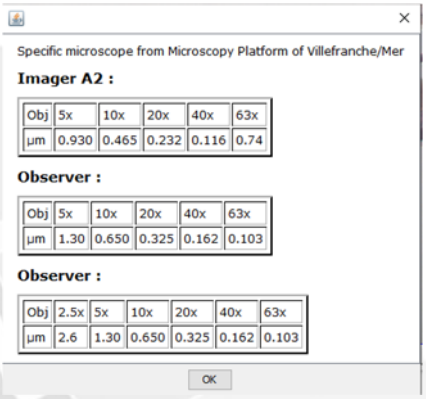
[8] Export : Export the image in RGB color coded image

[0] Parameter : give access to parameter of the image and let scale the image (if not done):

Institut de la Mer de Villefranche/Mer
181, Chemin du Lazaret,
06234 Villefranche-sur-Mer Cedex, France
Sebastien.Schaub@imev-mer.fr



- Optim Lum [0..1]: is the brightness which is reached with white balance. The highest, the brightest
- Red : gives intensities : [Minimum, Modal, Maximum]
- Green : idem
- Blue : idem
- ImgPxlSize : the pixel size measured in [Unit]
- Unit : pixel size scale [pixel/microns/ etc….]
- [Help] : provides information to calibrate images from PIM Microscopy platform (feel free to change it based on your needs).



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