

ImageJ: make a figure for publication

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A – ImageJ course Look this video (45 minutes in English to learn the basics of ImageJ:
[Training ImageJ anglais - YouTube](#)

B – Practical: Make a nice figure at 300 dpi

Look at the figure part of the video above (30:00 minutes).

The practical consists of building this figure with the given image composed of 4 channels and 7 slices of lung mouse with B220, Ig2b, CCR6 and CXCR3 (Mauro Gaya).

1. Download the image from the filesender link in the email
2. Keep only one slice in the middle (Z=4) and the first 3 channels
3. Put the separated channel in black and white and save them in RGB, save the overlay also in RGB.
4. Make a stack of the channels and the overlay using the function Image/Stacks/Images to stack
5. Put the scale bar at 100um (apply to all slices of the stack)
6. Use the magic montage tool to create a figure with the legend A, B, C, D
7. Convert your image in inch (apply the calibration 0,00333 corresponding to 300 DPI on image/properties)
8. Write the legend: describe the sample, the channels and the scale bar dimension.
9. Save your results in TIF in the following folder with your name on the DOSI for correction:

[\\smb-ciml-isi-stj.univ-amu.fr\CIML\\$\PLATEFORMES\IMAGIMM\Share\ImageJ_Figure_correction](file://smb-ciml-isi-stj.univ-amu.fr/CIML$/PLATEFORMES/IMAGIMM/Share/ImageJ_Figure_correction)

