**Intensity analysis protocol**

Scripts

* The two needed scripts should be saved into the same folder (i.e **Scripts**).
* Does not need to be the folder where the images are located.
* Scripts required:
  + **Intensity\_analysis.m**
  + **read\_stackTiff.m**

Inputs

* The script can analyse multiple channels (the same case, different stains).
* The script can analyse 2D and 3D images.
* The input folder should contain the greyscale image (image\_name**\_Channel**) and the segmented image (image\_name**\_Channel\_mask**).
* IMPORTANT: the segmented image should have the same name as the greyscale image with “**\_mask**” at the end.
* Be sure that the name of the channel is not included in the case name (image\_name).
* Interfaz de usuario gráfica, Aplicación

  Descripción generada automáticamenteExample:

There are two cases (SD04317 and SD06113) and each case have two channels (sv2a50 and syph)

Run the script

* Run **Intensity\_analysis.m** in Matlab.
* It will ask the folder where the images are located.
* That’s all!

Output

* It creates a new folder into the input folder called **Intensity\_results** that contains:
  + **All\_objects\_Intensity.csv**. Mean intensity and Area of every object per every case.
  + **Summary\_Intensity.csv**. Mean intensity, Median intensity and Area of all objects per every case.