Organizing your image files

Overall folder organization

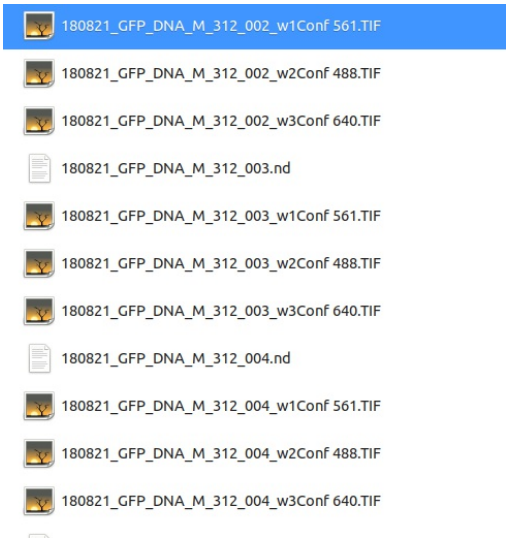
- Parent folder
    - Experimental_condition_1
    - Image_replicate_001_channel1.TIF
    - Image_replicate_001_channel2.TIF
    - Image_replicate_002_channel1.TIF
    - Image_replicate_002_channel2.TIF

      …
        - Image_replicate_015_channel2.TIF
    - Experimental_condition_2

  …
    - Experimental_condition_N
    - data_information.xlsx

Single folder = 1 unique experimental condition

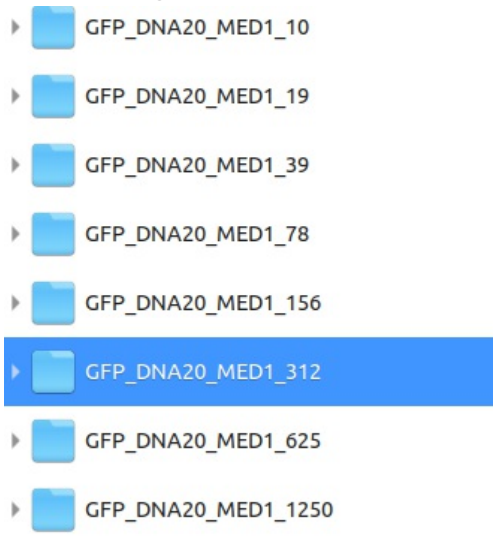
- A single folder should contain all replicates for a given experimental condition.
- Replicates should have the following file syntax:
    - (meta-data)_(unique replicate)_(_w)_(wave-length information)
    - Example of 3 replicates imaged across 3 channels with unique IDs **002** to **004**.



Single parameter sweep = List of folders

All the different experimental conditions should be under a parent folder with an **excel file** outlying important data.

- Example organization of a MED1-IDR concentration sweep shown below:



- data_information.xlsx contains 4 columns:
    - folder_path - Lists all relevant folders (see previous image)
    - Channel_number - Gives name to channel, not required to be unique. If a file doesn't exist in a channel, leave the cell blank.

Examples

	A	B	C	D
1	folder_path	Channel_488	Channel_561	Channel_640
2	GFP_DNA20_MED1_10	GFP_M10	MED1_10	DNA20
3	GFP_DNA20_MED1_19	GFP_M19	MED1_19	DNA20
4	GFP_DNA20_MED1_39	GFP_M39	MED1_39	DNA20
5	GFP_DNA20_MED1_78	GFP_M78	MED1_78	DNA20
6	GFP_DNA20_MED1_156	GFP_M156	MED1_156	DNA20
7	GFP_DNA20_MED1_312	GFP_M312	MED1_312	DNA20
8	GFP_DNA20_MED1_625	GFP_M625	MED1_625	DNA20
9	GFP_DNA20_MED1_1250	GFP_M1250	MED1_1250	DNA20
10				
11				