

RotatoROI_II Plugin Setup Instructions

The **RotatoROI_II** Plugin relies on a specific directory structure in order to find and process files.

Step 1: Create a Root Directory

First, a root directory must be created. This is the location where the **RotatoROI_II** process will search for files and create the output.

This directory can be anywhere on the hard drive. It's best to use a naming convention that aligns with the overall experiment. For example:

```
/Users/dan/MitoPaper_imageprocessing/2024-04-19/
```

Step 2: Create a "raw" Directory

Below the root directory, a directory named `raw` must exist. The content in this directory will contain the unprocessed (raw) images.

Within this `raw` directory, you must create additional directories that will contain the `.tif` images to be processed. The directories directly below the `raw` directory can have any name but should be related to the experimental conditions or subject of your images.

For example: `./raw/EV` `./raw/sams-1`

Step 3: Place Images in the Proper Directories

Finally, the `.tif` images to be processed should be placed in these directories.

Example Directory Structure

An image of an example directory structure is provided.

2024-04-19/

└─ raw

└─ EV

- └─ Export_EV_N2_TMRE_10_NS_072_Z9_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_073_Z12_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_074_Z09_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_075_Z13_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_076_Z24_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_077_Z14_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_078_Z09_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_081_Z11_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_082_Z12_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_083_Z11_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_084_Z18_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_086_Z11_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_089_Z5_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_090_Z12_RGB_561 SD.tif
- └─ Export_EV_N2_TMRE_10_NS_091_Z12_RGB_561 SD.tif

└─ sams-1

- └─ Export_sams-1_N2_TMRE_10_NS_051_Z13_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_052_Z16_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_053_Z09_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_054_Z7_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_056_Z13_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_057_Z16_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_058_Z14_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_060_Z10_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_061_Z13_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_062_Z14_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_063_Z14_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_064_Z9_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_066_Z14_RGB_561 SD.tif
- └─ Export_sams-1_N2_TMRE_10_NS_070_Z08_RGB_561 SD.tif