

# Resize\_Replace

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## ABOUT

This macro recursively searches through an input folder specified by the user to identify any tif files, determines the maximum x and y dimensions from all the images and then uses that resulting information to resize all images to the maximum dimensions, pad any resulting size increase and 0 (black) values with NaN values and save to an output folder of the users choice.

This was originally designed for processing exported tifs from Zeiss ATLAS software.

## REQUIREMENTS

This macro requires version 1.33s as well as starting image types than can be converted to 32-bit : 8-bit, 16-bit, RGB color.

## WANT TO MODIFY/ ADD ?

The recursive backbone is highly modular so that addition of additional endpoint = x variables will be supported in SECTION 2 with a concomitant addition of an IF statement in function processFiles ( SECTION 3 line 111) along with a new secondary function of your choice in SECTION 4. Addition of another recursive function would look like ->

## REFERENCE

If you use this plugin please cite: **TBA**

## NEED HELP INSTALLING?

<https://imagej.nih.gov/ij/docs/guide/146-31.html>

has got you covered

*starting @line 79*

```
endpoint = 3
count = 0
    countFiles(dir);
n = 0;
    processFiles(dir);
```

*starting @line 111*

```
if (endpoint == 3)
    newSecondaryFunction(path);
```

*starting @line 161*

```
function newSecondaryFunction(path) {
    if (endsWith(path, ".tif")){
        open(path);
        //insert what process you want this function
        //to do between these two line of comments
        save(path);
        close();
    }
}
```