```
New Journal

Well = Screen.Status.WellName + "_" + + "Site" + str(Screen.Status.SiteNum)
Power = str(Component.405_Laser_Power.Position)  +"% " +"Laser Power"

1: New "LowPass" = Basic Filters("Camera GFP", 5, 5)
2: New "Segmentation" = Count Nuclei(Src=[1: Basic Filters])
3: Close([1: Basic Filters])
4: Threshold Image([2: Count Nuclei], 1, 65535, Inclusive)
5: New "miRFP Binary" = Binarize([2: Count Nuclei]), high = current value, low = current value
6: Close([2: Count Nuclei])
7: Create Regions Around Objects([5: Binary Operations])
8: Transfer Regions([5: Binary Operations], "Camera GFP", ALLREGIONS)
9: Close([5: Binary Operations])

Make the ROi's the same Color for overlay purposes later (Example Hi Intensity vs. Low Signal)
10: Select Image("Camera GFP")
IF Image.NumRegions>=1 THEN
    FOR Image.ActiveRegion = 1 TO Image.NumRegions STEP 1
        Region.ColorBlue = 255
        Region.ColorGreen = 0
        Region.ColorRed = 0
    NEXT
ELSE
    No Regions Present
END IF

**********TARGETING FOR MOSAIC -NO NEED TO EDIT SCRIPT/CHANGE BELOW THIS LINE**********
11: Select Image("Camera GFP")
IF Image.NumRegions >=1 THEN
    Reg = 1
    Total_Regions = Image.NumRegions +Total_Regions
    Regions are Saved and loaded to Mosaic for Targeting
    Run Journal C:\MM\app\mmproc\journals\Mosaic journals\Save ROI Batch 1.jnl
    current_illumination = Device.Illumination.Setting
    12: Select Illumination("Camera GFP")
    13: Targeted Illumination = Targeted Illumination(Illum setting=Camera GFP, Coord setting=20X APO, Active region, Puls
        Coordinate system setting = Device.Magnification.Setting
        Mask Exposure Duration [ms] = pulsetime
    14: Delay(MILLISEC)
        Time = pulsetime
    15: Select Illumination("Camera GFP")
        Setting Name = current_Illumination
    16: Clear All Regions("Camera GFP")
ELSE
    Reg = 0
    Dont' Utilize the Mosaic on this Field of VIew
END IF
```