

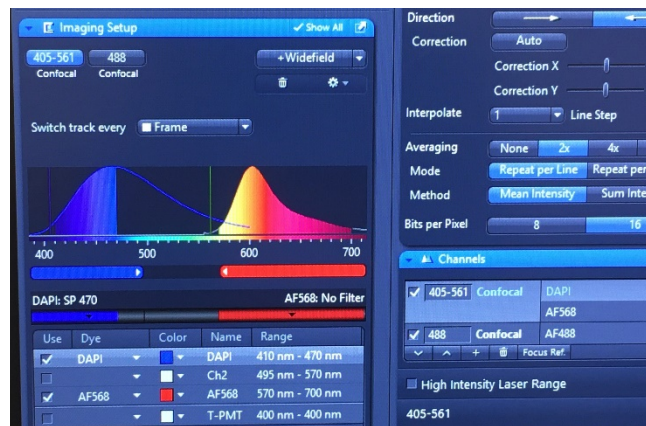
Introduction To ZenBlue

https://youtu.be/Y_DsaVCpzOI

This is the first video in series (currently 2 parts) for the Introduction to ZEN Blue imaging software by Carl Zeiss Microscopy. The video demonstrates basic use of ZEN Blue imaging of fluorescence multi-channel samples, as well as the workflow and basic organization of the software.

To setup fluorescent channels (4 different ways to set up for GFP) See 9:14 in video
Acquisition > Channels >

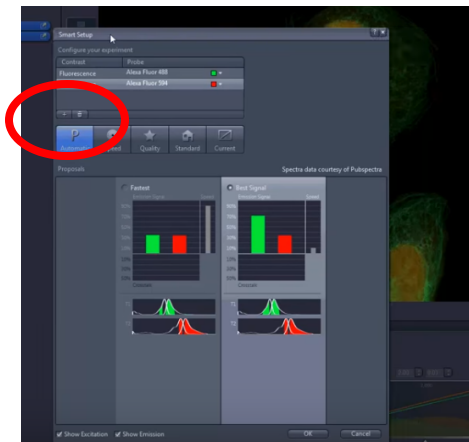
- 1-From Exp Manager > preload configs > Confocal 404_488_561 3 trackLine
>Channels (uncheck all but 488)
>Imaging Setup, hit 488 button, adjust emission profile to desired slider positions (500-550)



- 2-For new ones using already defined > gear > new from preloaded
e.g., Confocal 404_488_561 3 trackLine (provide new name, GFP)

- 3-Resue from prior czi file that you had set up to do GFP.

- 4-From scratch
>SmartSetup
>delete (trash symbol to right of +) unwanted channels
>add (+)



Select eGFP (same as GFP), to add this.
(Check that it has auto saved this in your “GFP” named experiment)

Link to Zeiss filter assistant

<https://www.micro-shop.zeiss.com/en/de/shop/filterAssistant/dyes/>

Link to GFP

<https://www.micro-shop.zeiss.com/en/de/shop/filterAssistant/dyes/object-0000-159>


Filter set 52, which our scope has should work, see

<https://www.micro-shop.zeiss.com/en/de/shop/filterAssistant/dyes/object-0000-159?oid=null&pid=488052-0000-000>

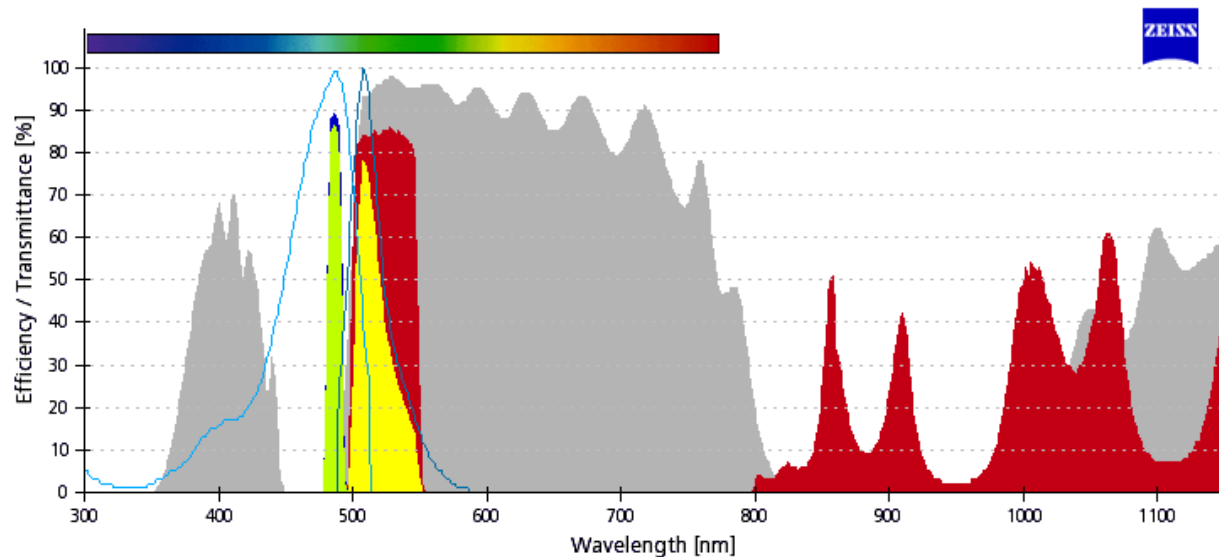
Filter Assistant

Dye

 **Dye eGFP (Enhanced Green Fluorescent Protein)**

 Excitation

 Emission



Show total efficiency

Selection: Filter Set 52



Excitation

(483-493)



Beamsplitter



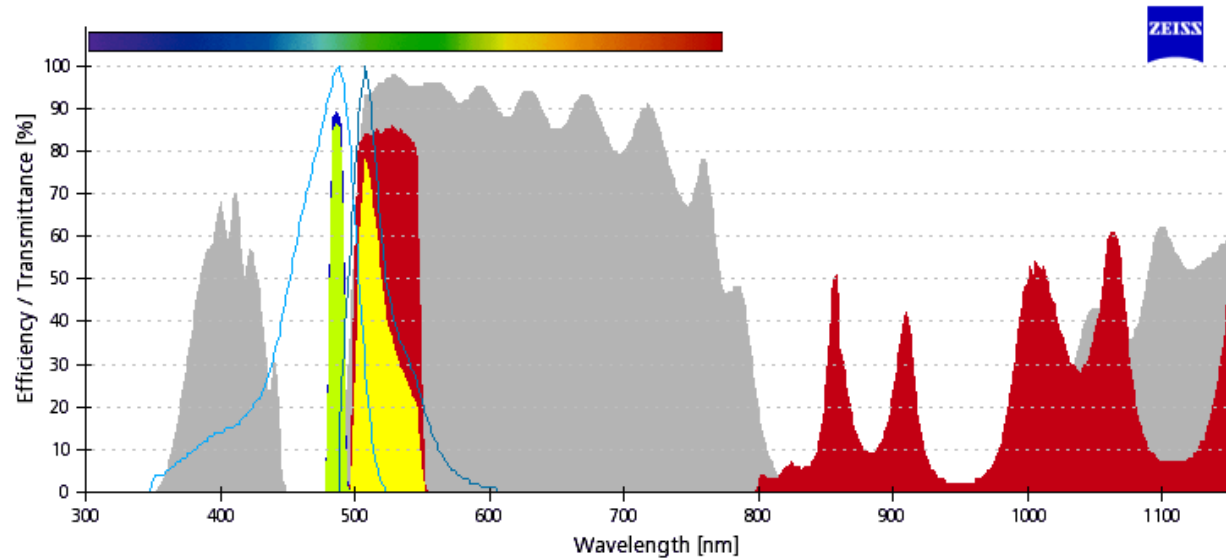
Emission

(500-550)

Filter Assistant

Dye

- Dye GFP (S65T)
- Excitation
- Emission



■ Show total efficiency

Selection: Filter Set 52



Excitation

(483-493)



Beamsplitter



Emission

(500-550)