

Homework for the 25th of November

1. Please draw a VERY thorough scheme of a Zeiss-like confocal connected to an upright microscope. Including a T-PMT. Make it as 3D as you can
2. Use your scheme to modify it into a Two-Photon microscope
3. Please bring both of your schemes on the 25th of November

On the 25th you will have a 2 hours lecture on 2-photon, light-sheet and structured illumination microscopy and then you will be shown the equipment

You can look up these lectures to understand better the material on the 25th-26th.

1. Here you can find a 30 minutes lecture on two-photon microscopy:

<http://www.youtube.com/watch?v=CZifB2aQDDM&list=PLKIIvFWorkUNuTkcMPSjoWYJJyPNqwflG>

2. Here you can find a 30 minutes lecture on Light-Sheet microscopy:

<http://www.youtube.com/watch?v=lteywF6wKu8>

3. Here you can find a 30 minutes lecture on SIM:

<http://www.youtube.com/watch?v=i73HhpLJrqs>