

**Nikon Ti time-lapse system**

Inverted microscope for fluorescence and transmission light time-lapse experiments

**Microscope:** Nikon Eclipse Ti (inverted).

**Objectives:** 4X/0.2 dry, 10X/0.3 dry, 20X/0.75 dry

**Filter cubes:** DAPI, GFP-long pass, FITC, TRITC, TXRhq, CY5

**Camera:** Andor Zyla sCMOS

**Software:** MetaMorph (version 7.8.2.0)

**Incubator** for live cell imaging (Okolab)

Filter cubes specifications:

<b>Filter</b>	<b>Excitation (nm)</b>	<b>Dichroic Mirror (nm)</b>	<b>Barrier filter BA (nm)</b>
DAPI	340 - 380	400	435 – 485
GFP - L	460 - 500	505	510
FITC	465 - 495	505	515 - 555
TRITC	540/25	565	605/55
Texas Red			
CY5	620-660	660	700/75