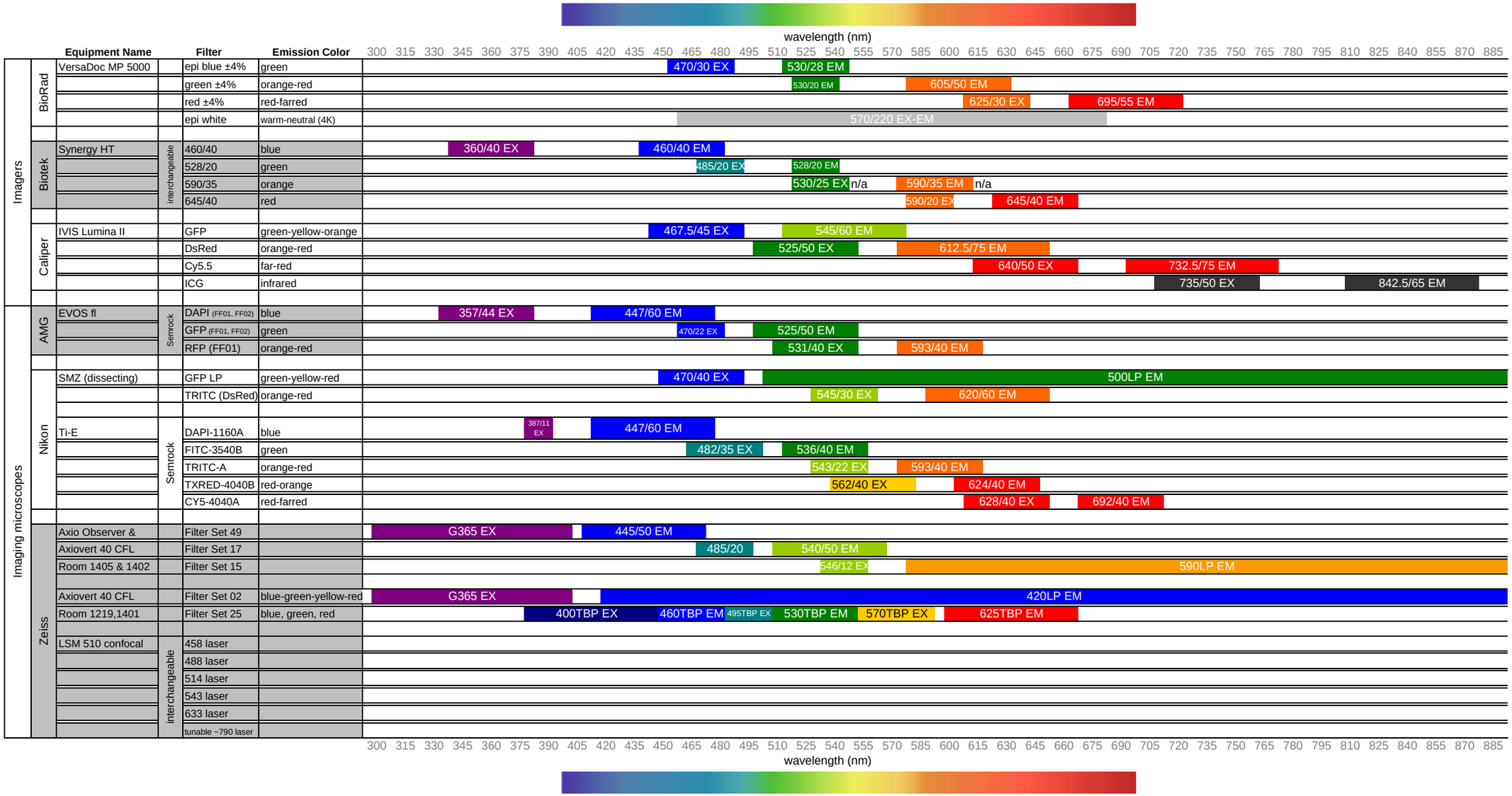
wavelength (nm)
300 315 330 345 360 375 390 405 420 435 450 465 480 495 510 525 540 555 570 585 600 615 630 645 660 675 690 705 720 735 750 765 780 795 810 825 840 855 870 885
Equipment Name
Filter
Emission Color
Imagers
BioRad
VersaDoc MP 5000
epi blue ±4%
green
470/30 EX
530/28 EM
green ±4%
orange-red
530/20 EM
605/50 EM
red ±4%
red-farred
625/30 EX
695/55 EM
epi white
warm-neutral (4K)
570/220 EX-EM
Biotek
Synergy HT
interchangeable
460/40
blue
360/40 EX
460/40 EM
528/20
green
485/20 EX
528/20 EM
590/35
orange
530/25 EX
n/a
590/35 EM
n/a
645/40
red
590/20 EX
645/40 EM
Caliper
IVIS Lumina II
GFP
green-yellow-orange
467.5/45 EX
545/60 EM
DsRed
orange-red
525/50 EX
612.5/75 EM
Cy5.5
far-red
640/50 EX
732.5/75 EM
ICG
infrared
735/50 EX
842.5/65 EM
Imaging microscopes
AMG
EVOS fl
Semrock
DAPI (FF01, FF02)
blue
357/44 EX
447/60 EM
GFP (FF01, FF02)
green
470/22 EX
525/50 EM
RFP (FF01)
orange-red
531/40 EX
593/40 EM
Nikon
SMZ (dissecting)
GFP LP
green-yellow-red
470/40 EX
500LP EM
TRITC (DsRed)
orange-red
545/30 EX
620/60 EM
Ti-E
Semrock
DAPI-1160A
blue
387/11 EX
447/60 EM
FITC-3540B
green
482/35 EX
536/40 EM
TRITC-A
orange-red
543/22 EX
593/40 EM
TXRED-4040B
red-orange
562/40 EX
624/40 EM
CY5-4040A
red-farred
628/40 EX
692/40 EM
Zeiss
Axio Observer &
Filter Set 49
G365 EX
445/50 EM
Axiovert 40 CFL
Filter Set 17
485/20
540/50 EM
Room 1405 & 1402
Filter Set 15
546/12 EX
590LP EM
Axiovert 40 CFL
Filter Set 02
blue-green-yellow-red
G365 EX
420LP EM
Room 1219,1401
Filter Set 25
blue, green, red
400TBP EX
460TBP EM
495TBP EX
530TBP EM
570TBP EX
625TBP EM
LSM 510 confocal
interchangeable
458 laser
488 laser
514 laser
543 laser
633 laser
tunable ~790 laser