Olympus FV500 Laser Excitation

Lasers	Excitation Wavelength	Common Excitable Fluorophores A=peak absorbance Em=peak emission
405 Laser Diode (LD405)	405 nm	**ACMA (Aminochloromethoxyacridine)** A**430** Em**474** **DAPI (4',6-Diamidino-2-phenylindole)** A**372** Em**456** **eCFP (enhanced cyan fluorescent protein)** A**433** Em**475** **Alexa Fluor 405** A**402** Em**421** **Hoechst 33258** A**350** Em**450**
Multi Argon line1 (M_Ar1)	458 nm	**eCFP (enhanced cyan fluorescent protein)** A**433,458** Em**475,501** **Alexa Fluor 430** A**430** Em**540**
Multi Argon line 2 (M_Ar2)	488 nm	**FITC (fluorescein)** A**494** Em**518** **eGFP (enhanced green fluorescent protein)** A**488** Em**507** **Alexa Fluor 488** A**491** Em**515** **Cy-2** A**492** Em**510**
Multi Argon line 3 (M_Ar3)	515 nm	**Alexa Fluor 514** A**517** Em**542** **eYFP (enhanced yellow fluorescent protein)** A**513** Em**527**
HeNe Green (HeNe_G)	543 nm	**TRITC (rhodamine)** A**530** Em**555** **Cy-3 Ex** A**550** Em**570** **Alexa Fluor 555** A**555** Em**570** **Alexa Fluor 546** A**556** Em**573** **Alexa Fluor 568** A**578** Em**603** **Alexa Fluor 594** A**590** Em**617**
HeNe Red (HeNe_R)	633 nm	**Cy-5** A**650** Em**670** **Alexa Fluor 633** A**632** Em**647** **Alexa Fluor 647** A**650** Em**665** **Alexa Fluor 660** A**663** Em**690**