IAC 2017: State of the Art Facility

Confocal Laser Scanning Microscope (CLSM): The facility has a state of the art imaging system with microscope model IX83 from Olympus, Japan which is fully automated. The system is capable of Fluorescence imaging, IR imaging and Confocal imaging. It has five different laser source 405,488,515,559 and 635nm for imaging in visible spectrum. The system is equipped with Mai Tai DeepSee laser from Spectra physics with tuning range of 690-1040nm and average power of > 2.4W for far IR and two photon Imaging. It has additional Picosecond Pulsed Diode laser with CW capability from PicoQuant, Germany for fluorescence lifetime imaging microscopy (FLIM) and fluorescence correlation spectroscopy (FCS). Mini top stage incubator from Oko lab has temperature, gas and humidity controllers to creates proper environment for live cell imaging.