

## Zeiss LSM 900 Upright Confocal

| Specification                |  |
|------------------------------|--|
| Lasers                       | Diode : 405nm (5mW); 488nm (10mW); 561nm (10mW), 640 nm (5mW)  |
| Microscope                   |  |
| Stand                        | Upright: - Axio Imager.Z2  |
| XY stage                     | Motorized scanning stage   |
| Filter cubes for observation | Solid-State Light Source Colibri 5, Filter set 90 HE LED(E), Excitation 385nm, 475nm, 555nm, 630nm, Emission filter QBP 425/30+514/30+592/30+709/100                             |
| Objectives                   | 2.5X0.085 ; 10x 0.45 Ph1; 20x 0.8 Ph2; 10x/0.3 DIC (water); 40x/1.0 DIC (water)  |
| Scan Module                  |  |
| Scan mode                    | xy, xyz, xz  |
| Scan speed                   | At 512 × 512 pixels: confocal – up to 8 fps  |
| Detector                     | 2 MA-PMTs; 1 transmitted light T-PMT   |
| Software                     | Windows 10, ZEN 3.5 (BLUE version)   |
| Application                  | DIC/Phase contrast imaging; Spot/line scan; XY 2D imaging; Multi-spectrum fluorescent imaging; Z-stack 3D imaging, Sample navigation, Tiles Scan; Multi-position; Colocalization |