**Table 1. Fluorophore Spectral data and corresponding laser for Excitation (PDF file)**

| Fluorophore | Ex peak | Percent Peak value for individual laser[1] | | | | | | Em peak |
|---|---|---|---|---|---|---|---|---|
| | Peak (20% range)[2] | 458 | 476 | 488 | 514 | 568 | 633 | Peak (20% range)[2] |
| SYTOX blue | 445 (405-464) | 48,9 | 1,9 | 0 | 0 | 0 | 0 | 470 (450-527) |
| BoBo-1 | 461 (410-486) | 97,1 | 49 | 17,9 | 8 | 0 | 0 | 484 (465-555) |
| PI | 538 (450-590) | 24,59 | 40,73 | 54,88 | 88,59 | 61,59 | 8,05 | 603 (576-668) |
| FITC | 495 (450-517) | 35,3 | 56,4 | 88 | 28,7 | 0 | 0 | 519 (497-575) |
| Alexa 488 | 499 (457-522) | 21,93 | 45,45 | 75,18 | 49,37 | 0 | 0 | 520 (497-572) |
| Oregon Green | 513 (466-533) | 12,47 | 33,63 | 41,78 | 99,38 | 0 | 0 | 533 (511-587) |
| TRITC / TMRho | 552 (500-577) | 2,21 | 5,8 | 10,47 | 33,19 | 51,77 | 0 | 578 (552-640) |
| Alexa 568 | 577 (519-600) | 1,24 | 2,72 | 5,42 | 15 | 85,53 | 0 | 603 (576-668) |
| Texas Red | 595 (537-623) | 0 | 0 | 0,64 | 5,78 | 35,32 | 7,06 | 613 (590-674) |
| Cy5 | 648 (583-673) | 0 | 0 | 0 | 0 | 10 | 63 | 665 (642-700) |
| Alexa 610-R-PE | 567 (470-584) | 12,31 | 28,51 | 51,97 | 46,95 | 99,16 | 4,94 | 627 (580-665) |
| Alexa 647-R-PE | 568 (470-674) | 10,26 | 26,29 | 48,65 | 45,72 | 100 | 29,03 | 666 (641-700) |
| Alexa 660 | 663 (538-700) | 2,55 | 4 | 5,74 | 11,41 | 35,68 | 71,07 | 691 (660-730) |
| Alexa 680 | 679 (580-716) | 1,3 | 1,57 | 1,95 | 3,51 | 15,58 | 55,82 | 702 (672-740) |
| ECFP | 430 (380*-477) | 68 | 21 | 8 | 0 | 0 | 0 | 474 (450-550) |
| EGFP | 494 (420-518) | 57 | 80 | 96 | 36 | 0 | 0 | 510 (490*-564) |
| EYFP | 520 (475-531*) | 8 | 23 | 35 | 95 | 0 | 0 | 535 (513-590) |
| DsRed | 553 (457-577) | 21 | 36 | 40 | 64 | 58 | 0 | 585 (558-653) |

Note:

1. The percentage in table 1 should not be used as the setting for AOTF percentage (as more than one user asked). They speak totally different things. value in table 1 indicate the percent of fluorophore excited under one laser line. AOTF percentage means the percent of light from laser source delivered to the specimen. Maybe, the low value in table 1 implies you have to use high AOTF percentage and vice versa.
2. The range in parenthesis indicates the 20% boundary on both side, at that wavelength, the intensity drop to 20% of its peak value. Value with * means until there, it has not dropped below 20%, further data is not available.