

Beam Path and Channel Assignment on the Two-Photon Microscope

The image displays the configuration interface for a two-photon microscope, showing the beam path and channel assignment. The main window, titled "Configuration Control", shows a schematic of the optical path with various components like mirrors, filters, and lenses. The components are arranged in a grid, and the beam path is indicated by arrows. The components are:

- Channel Mode:** Single Track, Multi Track, Ratio
- Beam Path and Channel Assignment:** Descanned, Non Descanned, Camera
- Excitation:** CH1, CH2, CH3, CHM, CHD
- Filters:** LP 580, BP 500-530, BP 500-550 IR, LP 505, BP 480-520 IR, BP 500-530 IR, BP 500-550 IR, LP 505, ChangePos
- Other Components:** Mirror, NFT 545, NFT 635 VIS, NFT KP 545, Plate, None, HFT UV//488/543/633, HFT KP 700/488, HFT KP 700/543, HFT 458/514, HFT 458, HFT 488, HFT KP 650, None, NDD LP680, FSet10 wf, FSet15 wf, FSet17 wf, Mirror, NFT 490, NFT 545, BG 39, None, NF 50%, NF 25%, NF 12%, NF 6%, NF 3%, None, LP 580, BP 510/250 IR, BP 500-550 IR, BP 535-590 IR, BP 565-615 IR, None, BP 650-710 IR, LP 505

The "CHS Channel Settings" window shows a color scale from 400 to 700 nm, with channels CH1 through CH8. The "Excitation" window shows the transmission percentage for various lines (458 nm, 488 nm, 514 nm, 543 nm, 633 nm, 750 nm) and the laser power status.