

Structure	Multi-photon excitation and emission maxima in literature	Multi-photon excitation and emission in our experiments	Channel and false colour
Elastin	Ex: 350 nm, 410 nm, 450 nm (11) Em: 420 nm, 500 nm, 520 nm (11) Ex: 750 nm (15) Em: 425 nm (15)	Ex: 750 nm Em: 440-580 nm	Channel 1: 400-440 nm blue Channel 2: 440-495 nm green
Collagen	Ex: 700-740 nm (SHG, 8) Em: 380-400 nm (SHG, 8) Ex: 820 nm (SHG, 15) Em: 380 nm (SHG, 15)	Ex: 750 nm, 820 nm Em: 400-440 nm	Channel 1: 400-440 nm blue
NADH	Ex: 290 nm, 340 nm (11) Em: 440 nm, 450 nm (11) Ex: 750 nm (15) Em: 470 nm (15)	Ex: 750 nm Em: 400-580 nm	Channel 2: 440-495 nm green Less in Channel 1: 400-440 nm blue Channel 3: 495-580 nm yellow
Lipopigments	Ex: 750 nm (15) Em: 550 nm (15)	Ex: 750 nm Em: 440-580 nm	Channel 4: 580-680 nm red
Flavine (FAD)	Ex: 450 nm (11) Em: 515 nm (11) Ex: 750 nm (15) Em: 560 nm (15)	Ex: 750 nm Em: 440-580 nm	Channel 4: 580-680 nm red

