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Sub 50 Femtosecond Pulse Lasers for Gentler Multiphoton Microscopy

Finding the ideal ultra-fast laser source for a multiphoton imaging setup is not trivial. It is a fine balance between peak power, pulse energy, and laser wavelength. In this white paper we show that the use of sub 50 fs pulsed lasers produces very bright multiphoton and higher-order harmonics images while keeping the average laser power low, and that this presents a distinct advantage in extending live-cell imaging.

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