Ultrafast Lasers for Multi-Photon Microscopy

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The flourishing field of multi-photon microscopy is enabled by the combination of sophisiticated microscopes and tunable femtosecond laser sources. Together, these technologies have pushed the boundaries of multiple biological disciplines ranging from immunology to neuroscience. I will describe the specialized optical sources required for successful 2-photon and 3-photon microscopy as well as CARS.

Short Bio:

Jim Kafka received his Ph.D. degree in Optics from the University of Rochester, USA. He is currently an Emeritus Fellow of Spectra-Physics and MKS and President Elect of Optica.