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Ultrafast lasers have intensely been used in biological applications So P, Kim H, Kochevar I (1998) Two-Photon deep tissue ex vivo imaging of for the past ten years. Besides their routine use in nonlinear microscopy mouse dermal and subcutaneous structures. Opt. Express 3: 339-350. [1,2] and tissue surgery [3], they opened up the way for subcellular Chung SH, Mazur E (2009) Surgical applications of femtosecond lasers. J of structure ablation such as a single dendritic spine or a mitochondrion Biophot 2: 557-572. with nanometer-scale precision, a procedure named as nanosurgery Sacconi L, OConnor RP, Jasaitis A, Masi A, Buffelli M, et al. (2007) In vivo

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