Correction to: Holographic Imaging and Stimulation of Neural Circuits

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Correction to:

Chapter 43 in: H. Yawo et al. (eds.), *Optogenetics*, Advances in Experimental Medicine and Biology 1293, https://doi.org/10.1007/978-981-15-8763-4_43

This chapter was inadvertently published with incorrect information in Table 43.1, which has been corrected as below:

The updated online version of this chapter can be found at
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Table 43.1 Comparison between different light illumination approaches used in optical microscopes

			Wide-field illumination	Point scanning illumination	Holographic illumination
Imaging	Transparent sample	Technique	Epifluorescence (one photon)	Confocal (one photon)	Two-photon
		Advantage	High temporal resolution	High spatial resolution	Low background; high spatial resolution; improved temporal resolution
		Limitation	Low axial resolution; phototoxicity	Reduced temporal resolution; phototoxicity	
	Scattering sample	Technique	Epifluorescence (one photon), mainly for superficial layers	Two photon	Two photon
		Advantage	High temporal resolution	Low background; high spatial resolution	Low background; high spatial resolution; improved temporal resolution
		Limitation	High background; low spatial resolution; phototoxicity	Low temporal resolution	
Photo stimulation	Transparent sample	Technique	One photon	One photon/two photon	One photon/two photon
		Advantage	High temporal specificity	Improved/high spatial specificity	Improved/high spatial specificity; high temporal specificity
		Limitation	Low spatial specificity	Low temporal specificity	
	Scattering sample	Technique	One photon	Two photon	Two photon
		Advantage	High temporal specificity	High spatial specificity	High spatial specificity; high temporal specificity
		Limitation	Low spatial specificity	Low temporal specificity	