Hartveit

Multiphoton Microscopy

This volume covers the latest techniques and strategies used in multi-photon excitation (MPE) microscopy. Chapters in this book cover the fundamentals of MPE microscopy as applied to both in vitro and in vivo experimental systems; information on how to combine MPE microscopy with targeted electrophysiological recordings, calcium imaging, and transmembrane voltage imaging; methods to investigate cellular and large-scale neural morphology; signaling in astrocytes; and ways to use MPE microscopy to study the retina. In *Neuromethods* series style, chapters include the kind of detail and key advice from the specialists needed to get successful results in your laboratory.
Comprehensive and thorough, *Multiphoton Microscopy* is a valuable resource for both expert and novice researchers interested in expanding their knowledge and research in this rapidly developing field.

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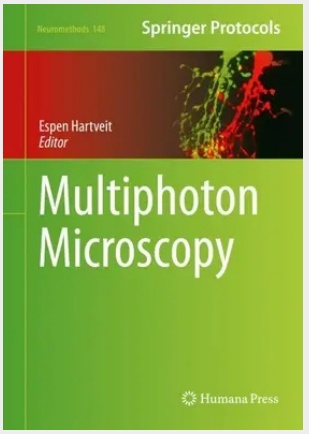

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