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Spectral imaging: Principles and applications. Biomedical Optics Express, Robert Clegg, Fluorescence Lifetime Spectroscopy and Imaging, 2014, CrossRef. 23.

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Photoacoustic imaging, Fig. 1 is a schematic illustration showing the basic principles of photoacoustic imaging. 2.1.4 Biomedical applications of PAT and TAT.

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1. Introduction. Fluorescence spectroscopy is a sensitive and specific tool for biochemical and biophysical studies and . Rapid developments in instrumentation, light

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Optical biopsy fiber-based fluorescence

Yury Budansky, et al. "Optical biopsy fiber-based fluorescence spectroscopy Imaging Modalities: Principles, Applications, Imaging; Biomedical Spectroscopy

Fluorescence lifetime spectroscopy and imaging

Related Publications. L. Marcu, Fluorescence Lifetime Techniques in Medical Applications, Annals of Biomedical Engineering 40(2), 304-331 (2012).(Link)

Bimolecular fluorescence complementation -

4.7 Multiple applications; FRET quantification requires irreversible photobleaching or fluorescence lifetime imaging that uses instrumentation that is not widely

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Fluorescence lifetime techniques in medical

3. Overview of time-resolved fluorescence spectroscopy and imaging techniques. Fluorescence lifetime (time-resolved) measurements can be conducted in either time

Second-harmonic generation and fluorescence

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is the fluorescence lifetime, is the initial fluorescence at , and are the rates for each decay pathway, at least one of which must be the fluorescence decay rate .

Spectroscopy principles and applications

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