Record Nr. UNINA9910824826703321
Titolo Fluorescence lifetime spect

Fluorescence lifetime spectroscopy and imaging: principles and applications in biomedical diagnostics / / edited by Laura Marcu, Paul

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Pubbl/distr/stampa Boca Raton:,: Taylor & Francis,, [2015]

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ISBN 0-429-19375-0

1-4398-6167-6

Edizione [1st ed.]

Descrizione fisica 1 online resource (554 p.)

Disciplina 616.07/54

Soggetti Diagnosis, Fluoroscopic

Fluorescence spectroscopy

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Note generali Description based upon print version of record.

Nota di bibliografia Includes bibliographical references at the end of each chapters and

index.

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Frequency-domain FLIM

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Sommario/riassunto

This book reflects the remarkable advances in time-resolved fluorescence techniques and their role in a wide range of biological and clinical applications. Fluorescence lifetime approaches maximize contrast between different fluorophores for improved specificity of measurements, enabling characterization of intact tissue and disease diagnostics. The book offers a comprehensive treatment of fundamental principles, instrumentation, analytical methods, and applications. It covers the wide range of methods, including single channel (point) spectroscopy, fluorescence lifetime imaging microscopy,