Confocal and Two-Photon Microscopy: Foundations, Applications and Advances
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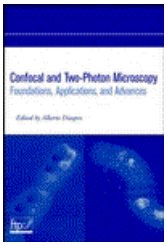

Confocal and two-photon fluorescence microscopy has provided researchers with unique possibilities of three-dimensional imaging of biological cells and tissues and of other structures such as semiconductor integrated circuits. Confocal and Two-Photon Microscopy: Foundations, Applications, and Advances provides clear, comprehensive coverage of basic foundations, modern applications, and groundbreaking new research developments made in this important area of microscopy.

Opening with a foreword by G. J. Brakenhoff, this reference gathers the work of an international group of renowned experts in chapters that are logically divided into balanced sections covering theory, techniques, applications, and advances, featuring:

- In-depth discussion of applications for biology, medicine, physics, engineering, and chemistry, including industrial applications
- Guidance on new and emerging imaging technology, developmental trends, and fluorescent molecules
- Uniform organization and review-style presentation of chapters, with an introduction, historical overview, methodology, practical tips, applications, future directions, chapter summary, and bibliographical references
- Companion FTP site with full-color photographs
- The significant experience of pioneers, leaders, and emerging scientists in the field of confocal and two-photon excitation microscopy

Confocal and Two-Photon Microscopy: Foundations, Applications, and Advances is invaluable to researchers in the biological sciences, tissue and cellular engineering, biophysics, bioengineering, physics of matter, and medicine, who use these techniques or are involved in developing new commercial instruments.

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