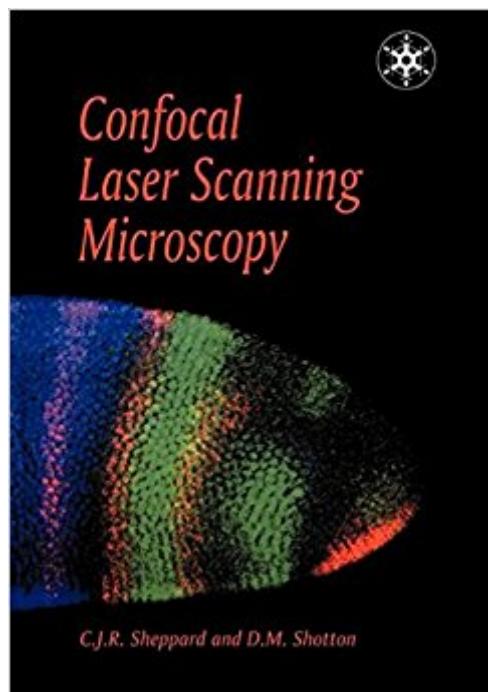


The book was found

Confocal Laser Scanning Microscopy (Royal Microscopical Society Microscopy Handbooks)



Synopsis

This book gives details of the purpose of, and practical requirements for, the different imaging modes along with guidelines for sample preparation and imaging protocols. The limitations and sensitivity of each method are discussed, imaging applications

Book Information

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Customer Reviews

I don't need to use the microscope, I just need to understand the instrument and the 3D images it produces. This book gave me the introduction I wanted. It starts with a brief discussion the basics: illumination, scanning, and rejecting out-of-plane light. The next chapter describes a bit more about the pieces that go into the instrument and a little about the optical theory. That chapter is nowhere near what an instrument designer would need to know. It does, however, give a user enough information to use the tool effectively. The next sections discuss fluorescence, including the problems that arise when handling long and short wavelengths at through the same optics, and a little about specimen preparation using nanoparticles. The final sections briefly discuss applications and possibilities for the future of confocal microscopy. The authors do not have much to say about specific protocols for specific applications - the level is more general and centered more on the microscope itself. Anyone who wants a how-to book for the lab bench is going to be disappointed. I wanted different information, and I got what I wanted from it.//wiredweird

An excellent primer for those who have just a little knowledge, but are missing the background to handle CLSM data with confidence. Readers with some knowledge of the jargon of microscopy will find the book to be an easier read, but this reviewer had no prior knowledge and found the book extremely helpful. It gives enough fundamental information to let the potential CLSM user know where s/he is going to get into trouble. If you are going to image something for the first time, get this book. It'll keep you from interpreting artifacts.

I was disappointed by this book. It has very little about applications, and more about the physics of the microscope. I find better explanations of the basic concept of CLSM at web sites of some of the microscope manufacturers like [manufacture names]...

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Introduction to Light Microscopy (Royal Microscopical Society Microscopy Handbooks) American National Standard for Safe Use of Lasers: ANSI Z136.1-2000 (ANSI (Laser Institute of America)) (ANSI (Laser Institute of America)) (ANSI (Laser Institute of America)) Scanning Electron Microscopy, X-Ray Microanalysis, and Analytical Electron Microscopy: A Laboratory Workbook
Confocal Microscopy for Biologists (Disease Management of Fruits and Vegetables) Basic Confocal Microscopy Techniques in Confocal Microscopy (Reliable Lab Solutions) Confocal Microscopy for Biologists Electron microscopy for beginners: Easy course for understanding and doing electron microscopy (Electron microscopy in Science) Sonography Scanning: Principles and Protocols, 4e (Ultrasound Scanning) Handbook of Optical and Laser Scanning, Second Edition (Optical Science and Engineering) Scanning Electron Microscopy and X-ray Microanalysis: Third Edition Scanning Microscopy for Nanotechnology: Techniques and Applications Scanning Electron Microscopy and X-Ray Microanalysis Electron Microprobe Analysis and Scanning Electron Microscopy in Geology Biological Low-Voltage Scanning Electron Microscopy Scanning Probe Microscopy and Spectroscopy: Theory, Techniques, and Applications Scanning and Transmission Electron Microscopy: An Introduction New Horizons of Applied Scanning Electron Microscopy (Springer Series in Surface Sciences) Fungal morphology and ecology: Mostly scanning electron microscopy

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