Optical Imaging Techniques in Cell Biology, Second Edition

Guy Cox
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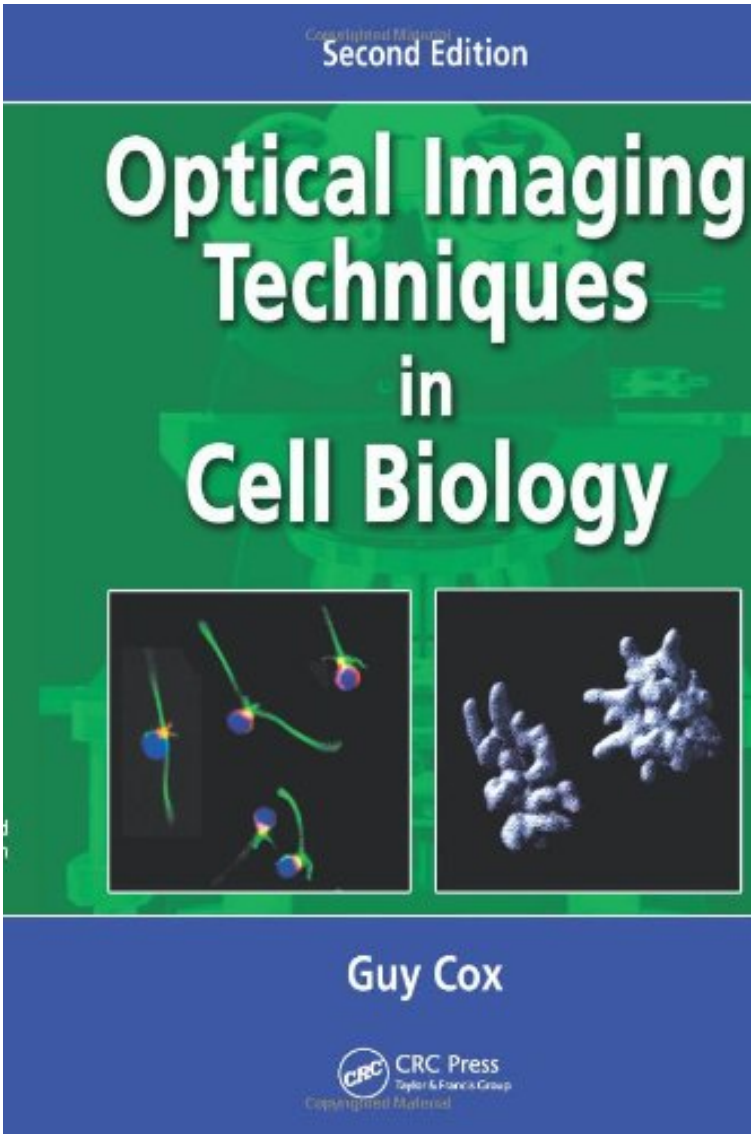

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Guy Cox : Optical Imaging Techniques in Cell Biology, Second Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Optical Imaging Techniques in Cell Biology, Second Edition:

0 of 1 people found the following review helpful. Shipping worked very well!By AlbertoShipping worked very well!0 of 0 people found the following review helpful. Superb ResourceBy zfhindbrainThis is a wonderfully rich, yet compact, description of light microscopy techniques and the physics underlying them. Any research lab with a microscope should have a copy nearby!

Optical Imaging Techniques in Cell Biology, Second Edition covers the field of biological microscopy, from the optics of the microscope to the latest advances in imaging below the traditional resolution limit. It includes the techniquessuch as labeling by immunofluorescence and fluorescent proteinswhich have revolutionized cell biology. Quantitative techniques such as lifetime imaging, ratiometric measurement, and photoconversion are all covered in detail. Expanded with a new chapter and 40 new figures, the second edition has been updated to cover the latest developments in optical imaging techniques. Explanations throughout are accurate, detailed, but as far as possible non-mathematical. This edition includes appendices with useful practical protocols, references, and suggestions for further reading. Color figures are integrated throughout.

Praise for the First Edition represents an excellent resource for those wishing to gain a grounding in a broad range of optical techniqueswritten in a highly knowledgeable, enthusiastic and accessible mannercomprehensively covers virtually the entire field of microscopy. a valuable addition to the bookshelf of many research laboratoriescan quickly and easily provide a clear understanding of commonly used techniques and underlying concepts. Students, technicians, and researchers will find it useful whether they are intending to use the techniques, have been using the techniques for some time, or are merely curious to know more about what the techniques can offer the cell biologist. Mark Prescott, Department of Biochemistry and Molecular Biology, Monash University, in Australian Biochemist, vol 38 no 3About the AuthorGuy Cox is a professor within the Electron Microscopy Unit at the University of Sydney, Australia.