

Second Edition

Optical Imaging Techniques in Cell Biology

Praise for the Bestselling First Edition

"Students, technicians, and researchers will find [Optical Imaging Techniques in Cell Biology] 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*

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 techniques—such as labeling by immunofluorescence and fluorescent proteins—which 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 and 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.

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