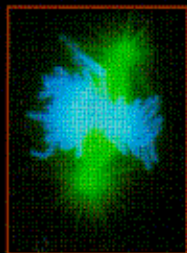


QUANTITATIVE IMAGING IN CELL BIOLOGY



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Over the last two decades the ever accelerating advances in optics, electronics and digital camera technology in combination with the rise of fluorescent proteins have transformed fluorescence light microscopy from a descriptive, observational tool to a truly quantitative method. In this volume of *Methods in Cell Biology* leading researchers provide the reader with a practical understanding of how digital image data are generated by modern fluorescence microscopy modalities, outline technical and fundamental limitations on the accuracy and precision with which these data can be analyzed, and provide guidance into cutting edge technologies and image analysis that are expanding the abilities of traditional microscopy.

KEY FEATURES

- Contributions from leading experts in this specialized field of research
- A complete overview of quantitative fluorescence microscopy from basic information to advanced topics
- Step-by-step protocols for common quantitative imaging techniques

Cover photo: Mitotic newt lung epithelial cell labeled for tubulin (green) and DNA (blue). Jennifer Waters.

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