



## Digital Microscopy

By Greenfield Sluder

Oxford Elsevier LTD Sep 2013, 2013. Buch. Condition: Neu. Neuware - This new edition presents some of the optical fundamentals needed to provide a quality image to the digital camera. Specifically, it covers the fundamental geometric optics of finite- and infinity-corrected microscopes, develops the concepts of physical optics and Abbe's theory of image formation, presents the principles of Kohler illumination, and finally reviews the fundamentals of fluorescence and fluorescence microscopy. Chapters deal with digital and video fundamentals: how digital and video cameras work, how to coordinate cameras with microscopes, and how to deal with digital data, the fundamentals of image processing, and low light level cameras. Discussion also addresses some specialized areas of microscopy that allow sophisticated measurements of events in living cells that are below the optical limits of resolution. 655 pp. Englisch.



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