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Titolo	Understanding light microscopy // by Jeremy Sanderson
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Descrizione fisica	1 online resource (850 pages)
Collana	Royal Microscopical Society/John Wiley Series
Disciplina	570.28/2
Soggetti	Microscopy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Our eyes and the microscope -- Light -- Basic microscope optics -- Microscope design -- Ergonomics -- Optical aberrations of the microscope -- The microscope objective -- Condensers & eyepieces -- Illumination in the microscope -- Diffraction and image formation in microscopy -- Contrast generation & enhancement -- Reflected-light microscopy -- Polarised-light microscopy : part 1, theory -- Polarised-light microscopy : part 2, applied -- Fluorescence microscopy -- Fluorophores & fluorescent proteins -- Optical sectioning & confocal microscopy -- Operating the confocal microscope -- Light-sheet microscopy -- Bleed-through & spectral unmixing -- Deconvolution -- Multi-photon microscopy -- Total internal reflection fluorescence microscopy -- Frap and fret -- Colocalisation -- Super-resolution fluorescence microscopy -- Choosing a microscope platform and core imaging facilities -- Biological specimen preparation -- Materials specimen preparation -- Recording the image : part 1, theory -- Recording the image : part 2, applied.