1. Record Nr. UNINA9910254550903321

Titolo	Advanced Imaging Techniques in Clinical Pathology / / edited by Francesco M. Sacerdoti, Antonio Giordano, Carlo Cavaliere
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Humana, , 2016
ISBN	1-4939-3469-4
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (166 p.)
Collana	Current Clinical Pathology, , 2197-781X
Disciplina	616.0754
Soggetti	Pathology Diagnosis, Laboratory Laboratory Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Test equipment in biology laboratories -- Automation software (acquisition, control and analysis concepts) -- Digital Image Processing (F.Sacerdoti) -- Statistic Analysis.- Cell identification -- Cell classification & Counting.- Cell aggregation -- Skin and body analysis (F.Melchi & F.M.Sacerdoti) -- Space or Space Simulation equipments -- Off-the-shelf Analysis Software. Commercial & Open Source -- Commercial Test Equipment -- Best practices.
Sommario/riassunto	This text provides a comprehensive, state-of-the-art review of the application of image analysis focusing on the techniques which can be used in every biology and medical laboratory to automate procedures of cell analysis and to create statistics very useful for a comprehension of cell growth dynamics and the effects of drugs on them. This textbook will serve as a very useful resource for physicians and researchers dealing with, and interested in, cell analysis. It will provide a concise yet comprehensive summary of the current status of the field that will help guide patient management and stimulate investigative efforts. All chapters are written by experts in their fields and include the most up-to-date scientific and clinical information. Advanced Imaging Techniques in Clinical Pathology will be of great value to clinical pathologists, biologists, biology researchers, and those working in the clinical and biological laboratory arena. .