

1. Record Nr.	UNINA9910437839003321
Autore	Eyden Brian
Titolo	The Ultrastructure of Human Tumours : Applications in Diagnosis and Research / / by Brian Eyden, S. Sankar Banerjee, Yongxin Ru, Pawe Liberski
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	3-642-39168-0
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (692 p.)
Disciplina	570.282 610 614.59 614.5999
Soggetti	Cancer - Research Microscopy Pathology Cancer Research Biological Microscopy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"With 757 figures, 1 of them in colour."
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Epithelial Tumours, Especially Carcinoma Squamous and Glandular Differentiation -- Malignant Melanoma -- Soft-Tissue/Mesenchymal/Spindle Cell Tumours -- Tumours of the Nervous System -- Haematolymphoid Neoplasia -- Tumours of Complex or Uncertain Differentiation.
Sommario/riassunto	The Ultrastructure of Human Tumours: Applications in Diagnosis and Research describes the core features as seen by transmission electron microscopy, defining the different types of cellular differentiation in tumours; this is relevant for tumour nomenclature and diagnosis, which, in turn, are important for tumour pathologists in their collaboration with oncologists for the treatment of cancer patients. The book is divided into 8 chapters. Following an introduction on technique and procedure, there are chapters on epithelial tumours, melanocytic

lesions, soft-tissue and related tumours, lymphoma and leukemia, CNS neoplasms and neuroendocrine and neuronal tumours. Each chapter includes an introductory text that puts the ultrastructural features in the context of classical pathology. The book includes many new findings and interpretations from well-known tumours, as well as ultrastructural information on several newly described tumour entities not dealt with in existing tumour ultrastructure monographs. The book will especially be of value to tumour pathologists who need to solve problem cases with the aid of electron microscopy, but also to cancer research and tissue engineering scientists working to develop anti-cancer and stem-cell-based therapies. However, even those without access to electron microscopy may also benefit from this book, since many of the images provide an 'explanation' of the appearances of cells, tissues and tumours familiar to pathologists and scientists from light microscopy. In this respect, it is hoped that this book will stimulate the wider use of electron microscopy in pathology. The book is comprehensively referenced, 680 pages long and lavishly illustrated with 757 figures. Dr. Brian Eyden is Consultant Clinical Scientist and Dr. S. Sankar Banerjee Consultant Histopathologist in the Department of Histopathology, Christie NHS Foundation Trust, Manchester, UK; Dr. Yongxin Ru is Director of the Department of Electron Microscopy, Institute of Hematology and Blood Diseases Hospital, Tianjin, China; Pawe Liberski is Professor in the Department of Molecular Pathology and Neuropathology, Medical University of, Poland.
