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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Preface -- Intravital two-photon excitation microscopy in neuroscience: General concepts and applications -- Two-photon imaging of cerebral vasodynamics in awake mice during health and disease -- In vivo Imaging in Neurodegenerative Diseases -- Intravital Imaging of the Immune System -- Cancer in the Spotlight: Using Intravital Imaging in Cancer Research -- Haemodynamics and Oxygenation of the Tumour Microcirculation -- In vivo imaging of bone marrow stem cells -- Live imaging of subcellular structures and cellular processes in mouse intraperitoneal organs -- Intravital imaging of the lactating mammary gland in transgenic mice expressing fluorescent proteins -- Fluorescent Dextrans in Intravital Multi-Photon Microscopy -- Intravital microscopy of the lung -- Intravital Microscopy for Molecular Imaging

	in Cancer Research -- Imaging Drug Distribution And Effects At The Single Cell Level In Vivo -- Nonlinear Endomicroscopy Imaging Technology for Translational Applications -- Intravital Multiphoton Endoscopy -- Fluorescence lifetime imaging for diagnostic and therapeutic intravital microscopy -- Index.
Sommario/riassunto	This is the first book entirely dedicated to Intravital Microscopy. It provides the reader with a broad overview of the main applications of Intravital Microscopy in various areas of the biomedical field. The book contains accurate descriptions of the state of the art methodologies used to image various organs at different level of resolution, ranging from whole tissue down to sub-cellular structures. Moreover, it is an extremely valuable guide to scientists that want to adopt this powerful technique and do not have experience with animal models and microscopy.