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Collana	Series in cellular and clinical imaging
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Contents; Series Preface; Preface; Editors; Contributors; Part I: History and perspective; Chapter 1: Introduction to fluorescent proteins; Part II: Photophysical properties of fluorescent proteins; Chapter 2 Lessons learned from structural studies of fluorescent proteins; Chapter 3: Optimization of fluorescent proteins; Chapter 4: Development of new colors from coral fluorescent proteins; Chapter 5: Red fluorescent proteins: multipurpose markers for live-cell imaging; Chapter 6: Optical highlighter photophysical properties Chapter 7: Far-red and near-infrared fluorescent proteinsPart III: Applications; Chapter 8: Genetically encoded fluorescent proteins and FRAP; Chapter 9: Optical highlighters: Applications to cell biology; Chapter 10: Optogenetic tools derived from plant photoreceptors; Chapter 11: Fluorescent proteins for FRET : monitoring protein interactions in living cells; Chapter 12: Super resolution techniques using fluorescent protein technology; Chapter 13: In vivo imaging revolution made by fluorescent proteins; Back Cover
Sommario/riassunto	Advances in fluorescent proteins, live-cell imaging, and superresolution instrumentation have ushered in a new era of investigations in cell biology, medicine, and physiology. From the identification of the green fluorescent protein in the jellyfish Aequorea

victoria to the engineering of novel fluorescent proteins, The
Fluorescent Protein Revolution explores the history, properties, and
applications of these important probes. The book first traces the history
of fluorescent proteins and the revolution they enabled in cellular
imaging. It then discusse
