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Titolo	Green fluorescent protein [[electronic resource]] : properties, applications, and protocols / / edited by Martin Chalfie, Steven R. Kain
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Edizione	[2nd ed.]
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Collana	Methods of biochemical analysis ; ; v. 47
Altri autori (Persone)	ChalfieMartin KainSteven
Disciplina	543.8 572.6 572/.6
Soggetti	Green fluorescent protein
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Discovery of green fluorescent protein / Osamu Shimomura -- Photons for reporting molecular events: green fluorescent protein and four luciferase systems / J. Woodland Hastings and James G. Morin -- Biochemical and physical properties of green fluorescent protein / William W. Ward -- The three-dimensional structure of green fluorescent protein and its implications for function and design / George N. Phillips, Jr -- Molecular biology and mutation of green fluorescent protein / David A. Zacharias, Roger Y. Tsien -- Discovery and properties of GFP-like proteins from nonbioluminescent anthozoa / Konstantin A. Lukyanov ... [et al.] -- Evolution of function and color in GFP-like proteins / Mikhail V. Matz, Yulii A. Labas, and Juan Ugalde -- The uses of green fluorescent protein in prokaryotes / Raphael H. Valdivia, Brendan P. Cormack, and Stanley Falkow -- The uses of green fluorescent protein in yeasts / Amy L. Hitchcock, Jason A. Kahana, and Pamela A. Silver -- Uses of GFP in <i>Caenorhabditis elegans</i> / Oliver Hobert and Paula Loria -- Green fluorescent protein applications in

drosophila / Tulle Hazelrigg and Jennifer H. Mansfield -- The uses of green fluorescent protein in plants / Jim Haseloff and Kirby R. Siemering -- Uses of GFP in transgenic vertebrates / Sean Magason ... [et al.] -- The uses of green fluorescent protein in mammalian cells / Theresa H. Ward and Jennifer Lippincott-Schwartz -- Practical considerations for use of reef coral fluorescent proteins in mammalian cells: applications in fluorescent microscopy and flow cytometry / Yu Fang ... [et al.] -- Pharmaceutical applications of GFP and RCFP / Nicola Bevan and Stephen Rees -- Reassembled GFP: detecting protein-protein interactions and protein expression patterns / Thomas J. Magliery and Lynne Regan.

Sommario/riassunto

Since the discovery of the gene for green fluorescent protein (GFP), derived from jellyfish, this protein that emits a green glow has initiated a revolution in molecular biosciences. With this tool, it is now possible to visualize nearly any protein of interest in any cell or tissue of any species. Since the publication of the first edition, there have been tremendously significant technological advances, including development of new mutant variants. Proteins are now available in yellow and blue, and Novel Fluorescent Proteins (NFPs) have expanded their utility in developing biosensors, biolog

2. Record Nr.	UNINA9910808678603321
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Altri autori (Persone)	FehrBeverley <1958-> UnderwoodLynn G SprecherSusan <1955->
Disciplina	152.41 177.7
Soggetti	Compassion Emotions
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Nota di contenuto	The Science of Compassionate Love; Contents; Contributors; Preface and Acknowledgments; Part I Definitions, Theory, and Measurement; 1 Compassionate Love: A Framework for Research; 2 Compassionate Love: Conceptual, Measurement, and Relational Issues; 3 Measuring Prosocial Behavior, Altruism, and Compassionate Love on US Television; Part II The Sociodemographics of Compassionate Love; 4 Loving and Caring in the United States: Trends and Correlates of Empathy, Altruism, and Related Constructs 5 Compassionate Motivation and Compassionate Acts across the Adult Life Course: Evidence from US National StudiesPart III Compassionate Love in Close Relationships; 6 Empathy and Compassionate Love in Early Childhood: Development and Family Influence; 7 Compassionate

Love in Early Marriage; Part IV Compassionate Love for Non-Close Others; 8 A Behavioral Systems Perspective on Compassionate Love; 9 Compassionate Acts: Motivations for and Correlates of Volunteerism among Older Adults; 10 Compassionate Love for Ind

Sommario/riassunto

The Science of Compassionate Love is an interdisciplinary volume that presents cutting-edge scholarship on the topics of altruism and compassionate love. The book.; Adopts a social science approach to understanding compassionate love.; Emphasizes positive features of social interaction.; Encourages the appropriate expression of compassionate love both to those in intimate relationships and to strangers.; Includes articles by distinguished contributors from the fields of Psychology, Sociology, Communication Studies, Family Studies, Epidemiology, Medicine and Nursing.; Is ideal for workshops on
