

1. Record Nr.	UNINA9910135041903321
Titolo	Lysosomes : biology, diseases, and therapeutics / / edited by Frederick R. Maxfield, James M. Willard, Shuyan Lu
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2016 ©2016
ISBN	1-118-97831-5 1-118-97830-7 1-118-97832-3
Descrizione fisica	1 online resource (562 p.)
Disciplina	571.655
Soggetti	Lysosomes
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	Lysosomes an introduction / Frederick R. Maxfield -- Lysosome biogenesis and autophagy / Fulvio Reggiori, Judith Klumperman -- Multivesicular bodies: roles in intracellular and intercellular signalling / Emily R. Eden, Thomas Burgoyne, Clare E. Futter -- Lysosomes and mitophagy / Dominik Haddad, Patrik Verstreken -- Lysosome exocytosis and membrane repair / Rajesh K. Singh, Abigail S. Haka -- Role of lysosomes in lipid metabolism / Frederick R. Maxfield -- TFEB, master regulator of cellular clearance / Graciana Diez-Roux and Andrea Ballabio -- Lysosomal membrane permeabilization in cell death / Urska Repnik, Boris Turk -- The lysosome in aging-related neurodegenerative diseases / Ralph A. Nixon -- Lysosome and cancer / Marja Jaattela and Tuula Kallunki -- The genetics of sphingolipid hydrolases & sphingolipid storage diseases / Edward H. Schuchman and Calogera M. Simonaro -- Lysosome-related organelles : modifications of the lysosome paradigm / Adriana R. Mantegazza and Michael S. Marks -- Autophagy inhibition as a strategy for cancer therapy / Xiaohong Ma, Shengfu Piao, Quentin McAfee, and Ravi K. Amaravadi -- Autophagy enhancers, are we there yet? / Shuyan Lu & Ralph A Nixon -- Pharmacological chaperones as potential therapeutics for lysosomal storage disorders: preclinical research to clinical studies / Robert E.

Boyd, Elfrida R. Benjamin, Su Xu, Richie Khanna, and Kenneth J. Valenzano -- Endosomal escape pathways for delivery of biologics / Philip L. Leopold -- Lysosomes and antibody drug conjugates / Michelle Mack, Jennifer Kahler, Boris Shor, Michael Ritchie, Maureen Dougher, Matthew Sung, and Puja Sapra -- The mechanisms and therapeutic consequences of amine-containing drug sequestration in lysosomes / Nadia Hamid and Jeffrey P. Krise -- Lysosome dysfunction : an emerging mechanism of xenobiotic-induced toxicity / Shuyan Lu, Bart Jessen, Yvonne Will & Greg Stevens -- Lysosomes and phospholipidosis in drug development and regulation / James M. Willard and Albert De Felice.
