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Titolo	Subcellular biochemistry . Volume 28 Cholesterol : its functions and metabolism in biology and medicine // edited by Robert Bittman
Pubbl/distr/stampa	New York : , : Springer Science + Business Media, LLC, , 1997
ISBN	1-4615-5901-4
Edizione	[1st ed. 1997.]
Descrizione fisica	1 online resource (XXVIII, 548 p.)
Collana	Subcellular Biochemistry, , 0306-0225 ; ; 28
Disciplina	612.12
Soggetti	Cholesterol - Metabolism Popular works.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1 Signaling Molecules Derived from the Cholesterol Biosynthetic Pathway -- 2 Coordinate Regulation of Cholesterol 7 $\alpha$ -Hydroxylase and HMG-CoA Reductase in the Liver -- 3 Polyprenyl Diphosphate Synthases -- 4 Antifungal Sterol Biosynthesis Inhibitors -- 5 The Smith-Lemli-Opitz Syndrome: A Potentially Fatal Birth Defect Caused by a Block in the Last Enzymatic Step in Cholesterol Biosynthesis -- 6 Has Nature Designed the Cholesterol Side Chain for Optimal Interaction with Phospholipids? -- 7 Cholesterol and Myelin -- 8 Regulation of Mitochondrial Cholesterol Metabolism -- 9 Lipoproteins and Cellular Cholesterol Homeostasis -- 10 Cholesterol-Sphingomyelin Interactions in Cells—Effects on Lipid Metabolism -- 11 Mechanisms and (Patho) Physiological Significance of Biliary Cholesterol Secretion -- 12 Cholesterol Deposition in Atherosclerotic Lesions -- 13 Cholesterol Metabolism and Tumor Cell Proliferation -- 14 Biological Implications of the Niemann-Pick C Mutation -- 15 Sitosterolemia -- 16 Cholesterol Cytochemistry in Cell Biology and Disease -- 17 Approaches for the Design of Novel Anti-Atherogenic Compounds.
Sommario/riassunto	Experts investigate the biochemical and biomedical aspects of cholesterol, addressing its metabolism in normal and disease states. They discuss a broad range of topics, including key steps in the cholesterol biosynthetic pathway, and the role of cholesterol in cancer, atherosclerosis, and diseases of the nervous system. The book's comprehensive coverage also includes the pathological consequences

and potential therapies for various disease states, and the development of new anti-atherogenic drugs.

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