



## Biochemistry of lipids, lipoproteins and membranes [

Vance, Dennis E

Vance, Jean E

Elsevier,

2008

Monografía

Research on the biochemistry and molecular biology of lipids and lipoproteins has experienced remarkable growth in the last 20 years, particularly with the realization that many different classes of lipids play fundamental roles in diseases such as heart disease, obesity, diabetes, cancer and neurodegenerative disorders. The 5th edition of this book has been written with two major objectives. The first objective is to provide students and teachers with an advanced up-to-date textbook covering the major areas of current interest in the lipid field. The chapters are written for students and researchers familiar with the general concepts of lipid metabolism but who wish to expand their knowledge in this area. The second objective is to provide a reference text for scientists who are about to enter the field of lipids, lipoproteins and membranes and who wish to learn more about this area of research. All of the chapters have been extensively updated since the 4th edition appeared in 2002. Key Features: \* Represents a bridge between the superficial coverage of the lipid field found in basic biochemistry text books and the highly specialized material contained in scientific review articles and monographs. \* Allows scientists to become familiar with recent developments related to their own research interests, and will help clinical researchers and medical students keep abreast of developments in basic science that are important for subsequent clinical advances. \* Serves as a general reference book for scientists studying lipids, lipoproteins and membranes and as an advanced and up-to-date textbook for teachers and students who are familiar with the basic concepts of lipid biochemistry

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhemF0ei5yZW4vMjI5MjA3NQ>

**Título:** Biochemistry of lipids, lipoproteins and membranes Recurso electrónico] edited by Dennis E. Vance and Jean E. Vance

**Edición:** 5th ed

**Editorial:** Amsterdam Boston Elsevier 2008

**Descripción física:** xii, 631 p., [8] p. of plates ill. (some col.) 25 cm

**Nota general:** Second-4th eds. published in the series: New comprehensive biochemistry Previous ed.: 2002

**Bibliografía:** Includes bibliographical references and index

**Contenido:** Functional roles of lipids in membranes / William Dowhan, Mikhail Bogdanov, and Eugenia Mileykovskaya -- Lipid modifications of proteins / Anant K. Menon -- Fatty acid and phospholipid metabolism in

prokaryotes / Charles O. Rock -- Lipid metabolism in plants / Katherine M. Schmid and John B. Ohlrogge -- Oxidation of fatty acids in eukaryotes / Horst Schulz -- Fatty acid synthesis in eukaryotes / Hei Sook Sul and Stuart Smith -- Fatty acid desaturation and chain elongation in mammals / Makoto Miyazaki and James M. Ntambi -- Phospholipid biosynthesis in eukaryotes / Dennis E. Vance and Jean E. Vance -- Ether-linked lipids and their bioactive species / Thomas M. McIntyre, Fred Snyder, and Gopal K. Marathe -- Lipid metabolism in adipose tissue / Ann V. Hertz et al. -- Phospholipases / David C. Wilton -- The eicosanoids : cyclooxygenase, lipoxygenase, and epoxygenase pathways / William L. Smith and Robert C. Murphy -- Sphingolipids / Alfred H. Merrill, Jr. -- Cholesterol biosynthesis / Laura Liscum -- Metabolism and function of bile acids / Luis B. Agellon -- Lipid assembly into cell membranes / Dennis R. Voelker -- Lipoprotein structure / Ana Jonas and Michael C. Phillips -- Assembly and secretion of triacylglycerol-rich lipoproteins / Jean E. Vance and Khosrow Adeli -- Dynamics of lipoprotein transport in the circulatory system / Christopher J. Fielding and Phoebe E. Fielding -- Lipoprotein receptors / Wolfgang J. Schneider -- Lipids and atherosclerosis / Ira Tabas

**Restricciones de acceso:** Acceso restringido a usuarios UCM = Restricted use for UCM patrons

**ISBN:** 9780444532190 0444532196

**Autores:** Vance, Dennis E Vance, Jean E

**Punto acceso adicional serie-Título:** ScienceDirect

---

### Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- [informa@baratz.es](mailto:informa@baratz.es)