

Contents

Lipoprotein Subfractions; Their Role in Lipid Transport and Atherosclerosis

Chairmen: W.F. RIESEN, G.C. DESCOVICH, H. KAFFARNIK, P. DOUSTE-BLAZY,
P. RUBBA, G. MANZATO, and A. van Tol

The Lipoprotein Family Concept: An Update P. ALAUPOVIC	3
Ultracentrifugal, Chromatographic and Electrophoretic Techniques for Lipoprotein Subfractionation C. H. LULEY	12
Analysis of Lipoprotein Particles Using Immunoaffinity Chromatography and ELISA Techniques J. C. FRUCHART, and J. M. BARD	19
Lipoprotein Association and Function of Apolipoprotein A-IV A. STEINMETZ, and H. KAFFARNIK	25
LP-X and Other Abnormal Lipoprotein Particles in Secondary Dyslipoproteinemia H. WIELAND	34
Turnover Studies of Apolipoproteins C: A First Critical Appraisal C. L. MALMENDIER, and J.-F. LONTIE	38
Lecithin: Cholesterol Acyl Transferase, Cholesterol Ester Exchange/Transfer Protein, and Lipoprotein Particles G. M. KOSTNER, and E. STEYRER	49
Role of the Liver in the Metabolism of Lipoprotein Particles A. VAN TOL	56
LDL Subfractions and Atherosclerosis G. R. THOMPSON	62

HDL Subclasses and Atherosclerosis	
P. AVOGARO	68
Lipoprotein Deficiency Syndromes	
C. R. SIRTORI	72
Significance of the Interaction Between Lipoprotein Subfractions and Macrophages for Reverse Cholesterol Transport	
G. SCHMITZ, and H. ROBENEK	82
HDL Receptor of Cultured Adipocytes and Its Role in Reverse Cholesterol Transport	
G. AILHAUD	88
 <i>Omega-3 Fatty Acids</i>	
Chairmen: R. PAOLETTI, G. SCHLIERF, and H. CANZLER	
Effects of Polyunsaturated Fatty Acids on Biochemical and Functional Aspects of Endothelial and Blood Cells	
R. PAOLETTI, P. MADERNA, C. GALLI, and E. TREMOLI	95
Oxidative Metabolism of Unsaturated Fatty Acids and Free Radical Formation	
J. BREMER, S. BERGSETH, and Ø. SPYDEVOLD	100
Omega-3 Fatty Acids and Hemostasis	
M. LAGARDE, M. CROSET and E. VÉRICEL	107
The Effects of Omega-3 Fatty Acids in Multiple Sclerosis: 2-Year Results	
J. M. FRENCH, D. BATES, S. A. HAWKINS, A. D. SMITH, and R. H. S. THOMPSON	110
Omega-3 Fatty Acids, Autoimmunity, and Diabetes	
TH. LINN	115
Omega-3 and Omega-6 Polyunsaturated Fatty Acids: Nutritional Needs and Dietary Recommendations	
G. WOLFRAM	119
Omega-3 Fatty Acid Treatment of Hyperlipidemia: Efficacy and Mechanisms of Action	
H. U. KLÖR, and C. H. LULEY	125
Subject Index	131