

1. Record Nr.	UNINA9911020178503321
Titolo	Atherosclerosis : molecular and cellular mechanisms // edited by Sarah Jane George and Jason Johnson
Pubbl/distr/stampa	Weinheim, : Wiley-VCH Verlag GmbH & Co., 2010
ISBN	9786612682810 9781282682818 1282682814 9783527629589 3527629580 9783527629596 3527629599
Descrizione fisica	1 online resource (422 p.)
Classificazione	Veh
Disciplina	616.136
Soggetti	Atherosclerosis Arteries - Diseases Aufsatzsammlung
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 and index.
Nota di contenuto	Atherosclerosis: Molecular and Cellular Mechanisms; Contents; Preface; List of Contributors; PART I: Introduction; 1: Pathogenesis of Atherosclerosis; PART II: PRO-Inflammatory Factors; 2: Chemokines and Atherosclerosis: A Critical Assessment of Therapeutic Targets; 3: Adhesion Molecules and Atherosclerosis; 4: Cytokines and Atherosclerosis; 5: Toll-Like Receptors in Atherosclerosis; 6: PPAR-Based Therapies for the Management of Atherosclerosis; 7: Pentraxins in Vascular Pathology: The Role of PTX3; PART III: Proteases; 8: Metalloproteinases, the Endothelium, and Atherosclerosis 9: Cathepsins in Atherosclerosis10: The Plasmin System and Atherosclerosis; 11: Mast Cell Proteases and Atherosclerosis; PART IV: Hyperlipidemia; 12: Macrophage Foam Cell Formation: The Pathways to Cholesterol Engorgement; PART V: Oxidative Stress; 13: NADPH Oxidase and Atherosclerosis; 14: Uncoupling of Endothelial Nitric Oxide Synthase in Atherosclerosis; 15: Heme Oxygenase-1 and

Atherosclerosis; PART VI: Cell Growth and Phenotype; 16: Phenotypic Heterogeneity of Smooth Muscle Cells-Implications for Atherosclerosis 17: Platelets: Their Role in Atherogenesis and Thrombosis in Coronary Artery Disease18: Modulators of Monocyte and Macrophage Phenotypes in Atherosclerosis; Index

---

## Sommario/riassunto

With atherosclerosis being the number one cause of death in the western world, this handbook and ready reference provides a comprehensive account of the different stages and factors in the development of the atherosclerotic plaque. Each chapter is written by experts in the field and highlights the role of specific mediators of atherosclerotic plaque development, as well as potential therapeutic targets. A large amount of this up-to-date information is conveyed by way of tables and schematic figures, in a readily comprehensible manner. A must-have for master and PhD students, researcher

---