Record Nr. UNINA9910784648503321 **Titolo** Platelets [[electronic resource] /] / editor, Alan D. Michelson Amsterdam, : Elsevier Academic Press, c2007 Pubbl/distr/stampa **ISBN** 1-280-70758-5 9786610707584 0-08-046586-2 Edizione [2nd ed.] 1 online resource (1386 p.) Descrizione fisica Altri autori (Persone) MichelsonAlan D Disciplina 611.0185 612.17 Soggetti Blood platelets Blood platelet disorders Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Front cover; PLATELETS; Copyright page; Table of contents; Contributors: Preface: Foreword: A Brief History of Ideas about Platelets in Health and Disease; Part One: Platelet Biology; CHAPTER 1: The Evolution of Mammalian Platelets; I. Introduction; II. Invertebrates; III. Nonmammalian Vertebrates; IV. Comparative Hemostasis; V. A Comparison of Human Platelets and Limulus Amebocytes; VI. The Evolution of Hemostasis and Blood Coagulation; VII. Megakaryocytes and Mammals; VIII. Conclusions; Acknowledgment; References; CHAPTER 2: Megakaryocyte Development and Platelet Formation; I. Introduction II. Megakaryocyte Development III. Platelet Formation; IV. Regulation of Megakaryocyte Development and Platelet Formation; V. Murine Model Systems and Human Diseases as Tools to Study Platelet Biogenesis; References; CHAPTER 3: Platelet Structure; I. Introduction; II. Peripheral Zone; III. The Sol-Gel Zone; IV. Organelle Zone; V. Platelet Membrane

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Sommario/riassunto

PLATELETS is the definitive current source of state-of-the-art knowledge about platelets and covers the entire field of platelet biology, pathophysiology, and clinical medicine. Recently there has been a rapid expansion of knowledge in both basic biology and the clinical approach to platelet-related diseases including thrombosis and hemorrhage. Novel platelet function tests, drugs, blood bank storage methods, and gene therapies have been incorporated into patient care or are in development. This book draws all this information into a single, comprehensive and authoritative resource.