1. Record Nr. UNINA9910458953703321

Titolo	Platelets [[electronic resource] /] / editor, Alan D. Michelson
Pubbl/distr/stampa	Amsterdam, : Elsevier Academic Press, c2007
ISBN	1-280-70758-5 9786610707584 0-08-046586-2
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (1386 p.)
Altri autori (Persone)	MichelsonAlan D
Disciplina	611.0185 612.17
Soggetti	Blood platelets Blood platelet disorders Electronic books.
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	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 Systems; References; CHAPTER 4: The Platelet Cytoskeleton; I. Introduction; II. The Structure of the Resting Platelet; III. The Cytoskeleton of the Resting Platelet; IV. The Structure of the Activated Platelet; V. Signals Activating Actin Assembly

VI. Membrane Dynamics and Actin Filament Turnover in Platelets VII. Platelet Contraction; VIII. Diseases of the Platelet Cytoskeleton; References; CHAPTER 5: Platelet Genomics and Proteomics; I. Introduction; II. Platelet Genomics; III. Platelet Proteomics; IV. Overview and Future Directions; Acknowledgment; References; CHAPTER 6: Platelet Receptors; I. Introduction; II. Integrins; III. Leucine-Rich Repeat (LRR) Family; IV. Seven Transmembrane Receptors; V. Immunoglobulin Superfamily; VI. C-Type Lectin Receptor Family; VII. Tetraspanins
VIII. Glycosyl Phosphatidylinositol (GPI)-Anchored Proteins IX. Glycosaminoglycan-Carrying Receptors; X. Tyrosine Kinase Receptors; XI. Miscellaneous Platelet Membrane Glycoproteins; Acknowledgment; References; CHAPTER 7: The Glycoprotein Ib-IX-V Complex; I. Introduction/Structure; II. Function; III. Signaling; IV. The End of the Beginning; References; CHAPTER 8: Integrin a IIbb3; I. Introduction; II. aIIbb3 as an Integrin and a Platelet Protein; III. Structure of aIIbb3; IV. "Inside-Out" Signaling and aIIbb3 Activation; V. Conclusion; References; CHAPTER 9: Thrombin Receptors
I. IntroductionII. Cellular Actions of Thrombin; III. Role of PARs in Disease; IV. Molecular and Developmental Genetics of PARs; V. Thrombin Signaling in Platelets; VI. Development of PAR Inhibitors; References; CHAPTER 10: The Platelet P2 Receptors; I. Introduction; II. Roles of Adenine Nucleotides in Platelet Function; III. P2Y1; IV. P2Y12; V. P2X1; VI. Interplay between the Platelet P2 Receptors; VII. Desensitization of the Platelet P2 Receptors; VIII. Conclusions; References; CHAPTER 11: PECAM-1; I. Introduction; II. PECAM-1 Genomic Organization and Protein Domain Structure
III. Expression and Adhesive Properties of the Extracellular Domain

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.

2. Record Nr. UNINA9910484815103321

Titolo	Handbook of Neurochemistry and Molecular Neurobiology [[electronic resource]] : Neuroactive Proteins and Peptides / / edited by Ramon Lim
Pubbl/distr/stampa	New York, NY : , : Springer US : , : Imprint : Springer, , 2006
ISBN	0-387-30395-2 0-387-30381-2
Edizione	[3rd ed. 2006.]
Descrizione fisica	1 online resource (690 p.)
Disciplina	612.8/042
Soggetti	Neurosciences
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.
Nota di contenuto	NERVE GROWTH FACTOR AND RELATED PROTEINS – J. R. Perez-Polo -- SIGNALING THROUGH THE NEUROTROPHIN RECEPTORS – Y. P. Ng, K. Y. Lo, Z. H. Cheung, and N. Y. Ip -- CNTF AND RELATED NEUROKINES – S. W. Halvorsen and N. Kaur -- GDNF AND RELATED PROTEINS – H. Peterziel and J. Strelau -- FIBROBLAST GROWTH FACTORS IN BRAIN FUNCTIONS – K. Unsicker, B. Reuss, and O. von Bohlen und Halbach -- TRANSFORMING GROWTH FACTOR-ßS IN THE BRAIN – K. Krieglstein -- IGF-1 IN BRAIN GROWTH AND REPAIR PROCESSES – C. Bondy, C. Cheng, J. Zhong, and W.-H. Lee -- ERYTHROPOIETIN SIGNALING PATHWAYS IN NEUROPROTECTION – M. Digicaylioglu -- TNF-a IN CNS: PHYSIOLOGIC AND PATHOLOGIC ROLES – R. N. Saha and K. Pahan -- GLIA MATURATION FACTOR IN BRAIN FUNCTION – R. Lim and A. Zaheer -- NITRIC OXIDE SYNTHASES IN BRAIN FUNCTION – S. Murphy and T. Coughlan -- 14-3-3 PROTEINS IN BRAIN FUNCTION – Y. Takahashi -- HEAT SHOCK PROTEINS IN BRAIN FUNCTION – P. Csermely -- GFAP AND ASTROCYTE INTERMEDIATE FILAMENTS – M. Pekny and U. Wilhelmsson -- GAP-43 IN NEURAL DEVELOPMENT AND PLASTICITY – N. I. Perrone-Bizzozero and D. C. Tanner -- PROTEIN ATTRACTANTS AND REPELLANTS IN AXONAL GUIDANCE – Y. Zou -- OPIOID RECEPTOR GENES AND THEIR REGULATION – L.-N. Wei and H. H. Loh -- OPIOID RECEPTOR SIGNALING AND REGULATION – P.-Y. Law and H. H. Loh -- CGRP: A MULTIFUNCTIONAL NEUROPEPTIDE – A. F. Russo and I. M. Dickerson -- SUBSTANCE P AND THE TACHYKININS – M. R. Howard, K.

Haddley, T. Thippeswamy, S. Vasiliou, and J. P. Quinn -- SECRETIN SUPERFAMILY: PACAP, VIP AND RELATED NEUROPEPTIDES – T. Mustafa and L. E. Eiden -- HYPOCRETINS/OREXINS IN BRAIN FUNCTION – J.G. Sutcliffe and L. de Lecea -- NEUROPEPTIDE Y IN BRAIN FUNCTION – A. Thorsell and C. L. Ehlers -- CHOLECYSTOKININ PEPTIDES IN BRAIN FUNCTION – F. Noble, B. P. Roques -- OXYTOCIN AND VASOPRESSIN: GENETICS AND BEHAVIORAL IMPLICATIONS – H. K. Caldwell and W. S. Young, III -- CORTICOTROPIN-RELEASING FACTOR IN BRAIN FUNCTION – P. J. Chen and Z. Yan -- ANGIOTENSINS IN BRAIN FUNCTION – J. W. Wright and J. W. Harding -- LEPTIN IN BRAIN FUNCTION – J. Harvey.

Sommario/riassunto

This volume is a collection of a variety of brain proteins and peptides whose structures and functions are relatively well known. Each chapter provides a succinct and up-to-date summary of a protein or peptide as well as a review of the individual's contributions to the field. The volume explores the progress that has been made in the field over the past few years and provides insight into the field today.