1. Record Nr. UNINA9910163989503321

Titolo	Molecular and Cellular Biology of Platelet Formation : Implications in Health and Disease / / edited by Harald Schulze, Joseph Italiano
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-39562-9
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (456 pages)
Disciplina	612.117
Soggetti	Human physiology Hematology Cell biology Gene therapy Molecular biology Blood transfusion Human Physiology Cell Biology Gene Therapy Molecular Medicine Blood Transfusion Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	I. Thrombopoiesis 1. A short history of the platelet (N.N.) -- 2. Megakaryopoiesis and Platelet biogenesis (Italiano) -- 3. Transcription factors in MKs and platelets (Cantor / Tijssen & Ghavaert) -- 4. Platelet biogenesis in vivo and the Vascular Niche (Schulze). II. Platelet biology. - 5. Platelet contents (Hartwig) -- 6. Platelet signal transduction (Yonis / S. Watson) -- 7. Thrombosis (Bergmeier) -- 8. Platelets and coagulation (N.N.) -- 9. The platelet life span (Kile). III. Animal models 10. Platelets in mice and men (N.N) -- 11. Animal models for platelet function (Nieswandt) -- 12. Other animal models /zebrafish (N. N.). IV. Platelets in Health and Disease.- 13. Platelet parameters and function testing in the clinic (Schulze / Dame) -- 14. Atherothrombosis and Coronary Artery Disease (Nieswandt) -- 15. Thrombocytopenias

	and Thrombocytopathies (Ballmaier) -- 16. Platelets in myeloproliferative disorders and leukemia (N.N.) -- 17. Platelet Apheresis and Transfusions (N.N) -- 18. Platelet Biogenesis following Stem Cell Transplantation (N.N).
Sommario/riassunto	This book gives a comprehensive insight into platelet biogenesis, platelet signal transduction, involvement of platelets in disease, the use of diverse animal models for platelet research and future perspectives in regard to platelet production and gene therapy. Being written by international experts, the book is a concise state-of-the art work in the field of platelet biogenesis, biology and research. It represents an indispensable tool for research scientists in biomedicine, vascular biology, hematopoiesis and hemostasis and specifically for scientists in platelet research, as well as for clinicians in the field of hematology and transfusion medicine. .