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## Platelets and Megakaryocytes

By Jonathan M. Gibbins

Humana Press Aug 2004, 2004. Buch. Book Condition: Neu. 235x155x38 mm. This item is printed on demand - Print on Demand Neuware - 12 The average human body has on the order of 10 circulating platelets. They are crucial for hemostasis, and yet excessive platelet activation is a major cause of morbidity and mortality in Western societies. It is therefore not surprising that platelets have become one of the most extensively investigated biological cell types. We are, however, far from understanding precisely how platelets become activated under physiological and pathophysiological conditions. In addition, there are large gaps in our knowledge of platelet production from their giant precursor cell, the megakaryocyte. Understanding megakaryocyte biology will be crucial for the development of platelet gene targeting. The aim of Platelets and Megakaryocytes is therefore to bring together established and recently developed techniques to provide a comprehensive guide to the study of both the platelet and the megakaryocyte. It consists of five sections split between two volumes. The more functional assays appear in Volume 1, whereas Volume 2 includes signaling techniques, postgenomic methods, and a number of key perspectives chapters. Part I of Volume 1, Platelets and Megakaryocytes: Functional Assays,...



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