

CONTENTS

Preface	v
Contributors	ix

PART I. PLATELET PHYSIOLOGY

1 Platelet Physiology <i>Martin Quinn</i>	3
2 Platelet Integrins and Signaling <i>Karlheinz Peter</i>	21
3 Platelet Adhesion <i>Brian Savage and Zaverio M. Ruggeri</i>	43
4 Structure–Function of the Platelet Cytoskeleton <i>Elaine L. Bearer</i>	71
5 Platelets and Inflammation <i>Meinrad Gawaz</i>	115
6 Platelet Signal-Dependent Protein Synthesis <i>Stephan Lindemann, Thomas M. McIntyre, Stephen M. Prescott, Guy A. Zimmerman, and Andrew S. Weyrich</i>	149
7 Phosphoproteomics of Human Platelets <i>Katrin Marcus and Helmut E. Meyer</i>	175

PART II. ASSESSING PLATELET FUNCTION

8 Platelet Function Studies <i>Dermot Cox</i>	201
9 Platelet Function Under Flow <i>José A. López, Ian del Conde, and Jing-Fei Dong</i> ...	223
10 Pharmacodynamics of GPIIb-IIIa Receptor Blockade <i>Lisa K. Jennings and Melanie M. White</i>	247
11 Prostanoid Generation in Platelet Function: <i>Assessment and Clinical Relevance</i> <i>Bianca Rocca and Carlo Patrono</i>	267
12 Platelets and Prothrombin <i>Michael Kalafatis, Emil Negrescu, Tatiana Byzova, and Edward F. Plow</i>	283

13	Markers of Platelet Activation and Granule Secretion <i>Alan D. Michelson and Mark I. Furman</i>	301
14	Genomic and Proteomic Analysis of Platelets: <i>Clinical Applications</i> <i>Andrew Maree and James McRedmond</i>	315
PART III. CLINICAL APPLICATIONS		
15	Antiplatelet Agents <i>Jacqueline Saw and David J. Moliterno</i>	335
16	Assessing Platelet Function in Clinical Trials <i>Neal Kleiman</i>	369
Index		385



<http://www.springer.com/978-1-58829-244-5>

Platelet Function

Assessment, Diagnosis, and Treatment

Quinn, M.; Fitzgerald, D.; Cox, D. (Eds.)

2005, XII, 398 p., Hardcover

ISBN: 978-1-58829-244-5

A product of Humana Press