CONTENTS

Brief Review: Prenatal Diagnosis of Hemoglobin Disorders by DNA Analysis .......... Stuart H. Orkin 249

Establishment of a New Peroxidase-Positive Human Myeloid Cell Line, PL-21 .......... Ichiro Kubonishi, Ken-ichi Machida, Kenji Niiya, Hiroshi Sonobe, Yuji Ohtsuki, Katsumi Iwata, and Isao Miyoshi 254

Natural Killer Cells Suppress Human Erythroid Stem Cell Proliferation In Vitro Kenneth F. Mangan, Mary E. Hartnett, Sherri A. Matis, Alan Winkelstein, and Toru Abo 260

Liver Endothelium and Not Hepatocytes or Kupffer Cells Have Transferrin Receptors Ryo Soda and Mehdi Tavassoli 270

Studies on Pure Red Cell Aplasia. XI. Results of Immunosuppressive Treatment of 37 Patients Douglas A. Clark, Emmanuel N. Dessypris, and Sanford B. Krantz 277

A Model of Intramedullary Hematopoietic Microenvironments Based on Stereologic Study of the Distribution of Endocloned Marrow Colonies ...................... Richard H. Lambertsen and Leon Weiss 287

Specific Receptors for Phorbol Diesters on Freshly Isolated Human Myeloid and Lymphoid Leukemia Cells: Comparable Binding Characteristics Despite Different Cellular Responses Bonnie J. Goodwin, Joseph O. Moore, and J. Brice Weinberg 298

Impaired Natural Killer Activity in Patients With Chronic Lymphocytic Leukemia Is Associated With a Deficiency of Azurophilic Cytoplasmic Granules in Putative NK Cells .................. Neil E. Kay and Joyce M. Zarling 305

Ph¹-Positive Acute Lymphoblastic Leukemia With a 14q+ Chromosome Abnormality Taira Maekawa, Yoshiaki Sonoda, Masafumi Taniwaki, Shinichi Misawa, Tatsuo Abe, and Tatsuro Takino 310

Refractory Dysmyelopoietic Anemia and Acute Leukemia .................. David S. Rosenthal and William C. Moloney 314


Anti-HEL Cell Monoclonal Antibodies Recognize Determinants That Are Also Present in Hemopoietic Progenitors ................ Th. Papayannopoulou, M. Brice, T. Yokochi, P. S. Rabinovitch, D. Lindsley, and G. Stamato-yanopoulos 326

The Availability of Therapeutic Hydroxocobalamin to Cells ................ Charles A. Hall, James A. Begley, and Pamela D. Green-Colligan 335

Therapy of Severe Aplastic Anemia With Anti-Human Thymocyte Globulin and Androgens: The Effect of HLA-Haploidentical Marrow Infusion ................ Kristine Doney, Steven J. Dahlberg, Deborah Monroe, Rainer Storb, C. Dean Buckner, and E. Donnell Thomas 342

Correlation of Two In Vitro Tests With Clinical Response to Immunosuppressive Therapy in 54 Patients With Severe Aplastic Anemia ................ Beverly Torok-Storb, Kristine Doney, Susan L. Brown, and Ross L. Prentice 349

(Continued on following page)
Regulation of Normal Human Blood Neutrophilic, Macrophagic, and Eosinophilic Committed Stem Cell Proliferation by Autologous Blood T Lymphocyte Subsets

G. Chikkappa and P. G. Phillips

A Novel Phospholipid in Irreversibly Sickled Cells: Evidence for In Vivo Peroxidative Membrane Damage in Sickle Cell Disease

Sushil K. Jain and Stephen B. Shohet

Autoantibodies Against the Platelet Glycoprotein IIb/IIIa Complex in Patients With Chronic ITP

Virgil L. Woods, Jr., Esther H. Oh, Donna Mason, and Robert McMillan

Inhibition of CFU-NM and CFU-EOS by Mature Granulocytes

Barbara H. Bjornson, Stephanie H. Pincus, Anne Marie DiNapoli, and Jane F. Desforges

Characterization of Glucocorticoid Receptors in Animal Lymphoblastic Disease: Correlation With Response to Single-Agent Glucocorticoid Treatment

Richard Bell, Susan Cotter, Anne Lillquist, Stephen Sallan, and Ronald McCaffrey

Leukemic Cell Differentiation In Vivo and In Vitro: Arrest of Proliferation Parallels the Differentiation Induced by the Antileukemic Drug Harringtonine

Andrew W. Boyd and J. R. Sullivan

Immonoaffinity Purification of Bovine Factor VII

Ronald Bach, John Oberdick, and Yale Nemerson

“Masked” Ph' Chromosome Abnormalities in CML: A Report of Two Unique Cases

R. Bernstein, M. R. Pinto, J. Rosendorff, S. Kramer, and B. Mendelow

Pre-B Cell Leukemia Responds Poorly to Treatment: A Pediatric Oncology Group Study

William Crist, Jim Boyett, Maryann Roper, Jeanette Pullen, Richard Metzgar, Jan van Eys, Abdelsalam Ragab, Kenneth Starling, Teresa Vietti, and Max Cooper

Anomalous Function of Vimentin in Chronic Lymphocytic Leukemia Lymphocytes

Richard S. Stark, Leonard F. Liebes, Michael L. Shelanski, and Robert Silber

Polymorphonuclear Leukocyte Elastase Activity Is Increased by Bacterial Lipopolysaccharide: A Response Inhibited by Glucocorticoids

D. H. L. Hart

Platelet Secretion Defect in Patients With the Attention Deficit Disorder and Easy Bruising

Kazuo Koike, A. Koneti Rao, Holm Holmsen, and Peter S. Mueller

The Number of Receptors for Factor VII Correlates With the Ability of Cultured Cells to Initiate Coagulation

George M. Rodgers, George J. Broze, Jr., and Marc A. Shuman

Electron Microscopic Observations on Platelet Aggregation Induced by Cationized Ferritin

Hiroh Yamazaki, Hidenori Suzuki, Naomasa Yamamoto, and Kenjiro Tanoue

Removal of HLA-A,B Antigens From Platelets

Neil Blumberg, Debra Masel, Theodor Mayer, Paul Horan, and Joanna Heal

Development of Factor VIII:C Antibodies in Dogs With Hemophilia A (Factor VIII:C Deficiency)

Alan R. Giles, Shawn Tinlin, Hugh Hoogendoorn, Penny Greenwood, and Ronald Greenwood

Incidence of Immune Responses Following 102 Infusions of Autoplex in 18 Hemophilic Patients With Antibody to Factor VIII

Y. Laurian, J. P. Girina, T. Lambert, D. Meyer, and M. J. Larrieu

Complement Alternative Pathway Activation by Chronic Lymphocytic Leukemia Cells: Its Role in Their Hepatosplenic Localization

F. Praz, G. Karsenty, J. L. Binet, and P. Lesavre

Beta-2-Microglobulin in Myeloma: Optimal Use for Staging, Prognosis, and Treatment—A Prospective Study of 160 Patients

Régis Bataille, Jean Grenier, and Jacques Sany

(Continued on following page)