CONTENTS

Characterization of Acute Undifferentiated Leukemia by Combined Analysis of Plasma Membrane-Associated γ-Glutamyltranspeptidase and Soluble Terminal Transferase.......................... Didier Heumann, Gabriele Losa, Catherine Barras, Andreas Morel, and Vladimir von Fliedner 255

Granulated T Cell Lymphocytosis With Neutropenia: Malignant or Benign Chronic Lymphoproliferative Disorder? Robert W. McKenna, Diane C. Arthur, Kazimiera J. Gajli-Peczalska, Patrick Flynn, and Richard D. Brunning 259

Liquid Preservation of Human Neutrophils Stored in Synthetic Media at 22 °C: Controlled Observations on Storage Variables.............................................................. Lewis Glasser, Roger L. Fiederlein, and Douglas W. Huestis 267

Hematopoietic Factor Production by a Cell Line (TC-1) Derived From Adherent Murine Marrow Cells Z.X. Song, R.K. Shadduck, D.J. Innes, Jr, A. Waheed, and P.J. Quesenberry 273

Type IIB Tampa: A Variant of von Willebrand Disease With Chronic Thrombocytopenia, Circulating Platelet Aggregates, and Spontaneous Platelet Aggregation.................................. Hussain I. Saba, Sabiha R. Saba, Judith Dent, Zavier M. Ruggeri, and Theodore S. Zimmerman 282

Duration of the Effect of Aspirin on the Synthesis of Thromboxane by Density Subpopulations of Rabbit Platelets Stimulated With Thrombin............................... Marian A. Packham, Maria A. Guccione, and Kathryn M. O'Brien 287

Associated Chronic Lymphocytic Leukemia and Multiple Myeloma: Origin From a Single Clone .......... J.P. Fermand, J.M. James, P. Hernit, and J.C. Brouet 291


Differential Interleukin-1 Elaboration by Density-Defined Human Monocyte Subpopulations........ Jack A. Elias, Paul Chien, Kelvin M. Gustilo, and Alan D. Schreiber 298

Increased Red Cell Calcium, Decreased Calcium Adenosine Triphosphatase, and Altered Membrane Proteins During Fava Bean Hemolysis in Glucose-6-Phosphate Dehydrogenase-Deficient (Mediterranean Variant) Individuals ............ Franco Turrini, Anna Naitana, Lidia Mannuzzu, Gianpiero Pescarmona, and Paolo Arese 302

Drug-Dependent and Non-Drug-Dependent Antiplatelet Antibody in Drug-Induced Immunologic Thrombocytopenic Purpura................................................................. W. Lerner, R. Caruso, D. Faig, and S. Karpatkin 306

Heterogeneity of Human Peripheral Blood Eosinophil-Type Colonies: Evidence for a Common Basophil-Eosinophil Progenitor ...................................................... Judah A. Denburg, Sylvia Telizyn, Hans Messner, Bing Lim Nazir Jamal, Steven J. Ackerman, Gerald J. Gleich, and John Bienenstock 312


Disparate Differentiation in Hemopoietic Colonies Derived From Human Paired Progenitors Anne G. Leary, Lewis C. Strauss, Curt J. Civin, and Makio Ogawa 327

Minactivin Expression in Human Monocyte and Macrophage Populations........................................ Ross W. Stephens, Jeffrey P. Golder, David R.H. Fayle, David A. Hume, Andrew J. Hapel, William Allan, Carol J. Fordham, and William F. Doe 333

Prognostic Implications of Tumor Cell DNA and RNA Content in Multiple Myeloma...................... Bart Barlogie, Raymond Alexanian, Dennis Dixon, Lon Smith, Leslie Smallwood, and Kay Delasalle 338

(Continued on following page)
CONTENTS

Heterogeneity of B Cell Involvement in Acute Nonlymphocytic Leukemia ........................................... Anna Maria Ferraris, Wendy H. Raskind, Barbara H. Bjornson, Robert J. Jacobson, Jack W. Singer, and Philip J. Fialkow 342

Impaired Responsiveness to B Cell Growth Factor in a Patient With Common Variable Hypogammaglobulinemia Robert T. Perri and Daniel J. Weisdorf 345

Cytochemistry of Acute Promyelocytic Leukemia (M3): Leukemic Promyelocytes Exhibit Heterogeneous Patterns in Cellular Differentiation .......................... Masao Tomonaga, Yoshiharu Yoshida, Masuko Tagawa, Itsuro Jinnai, Kazutaka Kuriyama, Tatsuhiko Amenomori, Akira Yoshioka, Tatsuki Matsuo, Hiroaki Nonaka, and Michito Ichimaru 350

Diagnostic and Prognostic Significance of Sézary Cells in Peripheral Blood Smears From Patients With Cutaneous T Cell Lymphoma ......................... Eric C. Vonderheide, Eugene L. Sobel, Peter C. Nowell, Janet B. Finan, Marybeth K. Helfrich, and D. Sandra Whipple 358

A Study of Liver Biopsies and Liver Disease Among Hemophiliacs .................. Louis M. Aledort, Peter H. Levine, Margaret Hilgartner, Philip Blatt, Joel A. Spero, Judith D. Goldberg, L. Bianchi, Valeer Desmet, Peter Scheuer, Hans Popper, and Paul D. Berk 367

The Effect of Hydroxyurea on Hemoglobin F in Patients With Myeloproliferative Syndromes Blanche P. Alter and Harriet S. Gilbert 373

The Clinical Significance of Cytogenetic Studies in 100 Patients With Multiple Myeloma, Plasma Cell Leukemia, or Amyloidosis .................. Gordon W. Dewald, Robert A. Kyle, Gary A. Hicks, and Philip R. Greipp 380

Prolymphocytic Leukemia of B Cell Type: Rearranged Immunoglobulin (Ig) Genes With Defective Ig Production J.V. Melo, L. Foroni, V. Brito Babapulle, D.S. Lewis, M. Bennett, D. Robinson, L. Parreira, L. Luzzatto, and D. Catosky 391

Sustained Thrombolysis With DNA-Recombinant Tissue Type Plasminogen Activator in Rabbits Giancarlo Agnelli, Michael R. Buchanan, Francoise Fernandez, Joanne Van Ryn, and Jack Hirsh 399

Diethylstilbestrol Selectively Modulates Plasma Coagulation Protein Synthesis by the Perfused Rat Liver Michael R. Owens and Catherine D. Cimino 402


Pre-B Cells in Peripheral Blood of Multiple Myeloma Patients .................. Linda M. Pilarski, Michael J. Mant, and Bernard A. Ruether 416


Evaluation of Covalent Antisickling Compounds by Po2 Scan Ektacytometry ...................... Robert M. Johnson, Claude J. Féo, Michael Nossal, and Irène Dobo 432

In Vitro Culture of Leukemic Cells in t(4;11) Acute Leukemia ...................... Robin C. Stong and John H. Kersey 439

Phenotypic and Functional Analysis of B Cell Lines From Patients With Multiple Myeloma M. Goldstein, J. Hoxie, D. Zembryki, D. Matthews, and A.I. Levinson 444

Phenotypic Heterogeneity Among Stromal Cell Lines From Mouse Bone Marrow Disclosed in Their Extracellular Matrix Composition and Interactions With Normal and Leukemic Cells .................. Dov Zitori, Jeki Toledo, and Klaus von der Mark 447

CONCISE REPORTS

Treatment of Baboon With Vinblastine: Insights Into the Mechanisms of Pharmacologic Stimulation of Hb F in the Adult .................... Robert Veith, Thalia Papayannopoulou, Sumiko Kurachi, and George Stamatoynannopoulos 456

(Continued on following page)
CONTENTS

(Contents continued)

Marrow Transplantation for Children in First Remission of Acute Nonlymphoblastic Leukemia: An Update
Jean E. Sanders, E. Donnell Thomas, C. Dean Buckner, Nancy Flourney, Patricia S. Stewart, Reginald A. Clift, Lawrence Lum, William I. Bensinger, Rainer Storb, Frederick R. Appelbaum, and Keith M. Sullivan 460

Growth and Cytogenetic Characteristics of Bone Marrow Colonies From Patients With 5q– Syndrome
F. Carbonell, H. Heimpel, B. Kubanek, and T.M. Fliedner 463

The Effect of Fibrin Polymers on Thrombin-Catalyzed Plasma Factor XIIIa Formation
Charles S. Greenberg and Charles C. Miraglia 466

SPECIAL DEPARTMENTS

Correspondence ........................................................................................................ 470
Announcements ......................................................................................................... 474
Erratum .................................................................................................................... 474
Information for Contributors .................................................................................. xxxiii, xxxiv
Advertisers’ Index ................................................................................................... xxxix

All manuscripts submitted for consideration for publication in BLOOD should be sent to: John W. Adamson, MD, Editor, BLOOD, University District Building—Room 320, 1107 NE 45th St, Seattle, WA 98105.

Please note that a processing fee of $50.00 must accompany each manuscript submitted for publication in BLOOD.

The American Society of Hematology certifies that the continuing medical education offering provided by BLOOD, The Journal of The American Society of Hematology, meets the criteria for up to 22 hours of credit in Category 5(a) for the Physician’s Recognition Award of the American Medical Association.