EDITORIALS

Bone Marrow Transplantation for Thalassemia and Other Inherited Disorders of Hemoglobin........D. Weatherall 1379

The Development of Granulocyte Colony-Stimulating Factor in its Various Clinical Applications........J. Gabrilove 1382

REVIEW ARTICLE

Review: The Molecular Immunology of Human Platelet Proteins.............................T.J. Kunicki and P.J. Newman 1386

RAPID COMMUNICATIONS

Ex Vivo Expansion and Maturation of Peripheral Blood CD34+ Cells Into the Myeloid Lineage ......D.N. Haylock, L.B. To, T.L. Dowse, C.A. Juttner, and P.J. Simmons 1405

Unexpected Heterogeneity in E2A/PBX1 Fusion Messenger RNA Detected by the Polymerase Chain Reaction in Pediatric Patients With Acute Lymphoblastic Leukemia..........S. Izraeli, H. Kovar, H. Gadner, and T. Lion 1413

Human Peripheral Blood Hematopoietic Progenitors Are Optimal Targets of Retroviral-Mediated Gene Transfer..........................................M. Bregni, M. Magni, S. Siena, M. Di Nicola, G. Bonadonna, and A.M. Gianni 1418

CLINICAL INTERVENTION AND THERAPEUTIC TRIALS

Autologous Bone Marrow Transplantation in Acute Leukemia With Marrow Purged With Alkyl-Lysophospholipid..............................................W.R. Vogler, W.E. Berdel, A.C. Olson, E.F. Winton, L.T. Heffner, and D.S. Gordon 1423

Granulocyte Colony-Stimulating Factor to Prevent Dose-Limiting Neutropenia in Non-Hodgkin’s Lymphoma: A Randomized Controlled Trial..............................R. Pettengell, H. Gurney, J.A. Radford, D.P. Deakin, R. James, P.M. Wilkinson, K. Kane, J. Benlley, and D. Crowther 1430

Use of α Interferon for the Treatment of Relapse of Chronic Myelogenous Leukemia in Chronic Phase After Allogeneic Bone Marrow Transplantation.........................C.S. Higano, W.H. Raskind, and J.W. Singer 1437

HEMATOPOIESIS

Growth Hormone Exerts Hematopoietic Growth-Promoting Effects In Vivo and Partially Counteracts the Myelosuppressive Effects of Azidothymidine.................................W.J. Murphy, G. Tsurfaty, and D.L. Longo 1443


HEMOSTASIS AND THROMBOSIS

Identification of Lysosome-Associated Membrane Protein-2 as an Activation-Dependent Platelet Surface Glycoprotein......................................................R.L. Silverstein and M. Febbraio 1470

(Continued on following page)
Partial Deletion of an Antithrombin III Allele in a Kindred With a Type 1 Deficiency...F. Fernandez-Rachubinski, R.A. Rachubinski, and M.A. Blajchman 1476
Heparin Enhances Active Site-Dependent Binding of Tissue-Type Plasminogen Activator to Endothelial Cells L. Rosenfeld, A. Kuo, J. Hirsh, B. Klugherz, S.J. Gardell, D.B. Cines, and E.S. Barnathan 1486

IMMUNOBIOLOGY

Human Eosinophils Synthesize and Secrete Interleukin-6, In Vitro........Q. Hamid, J. Barkans, Q. Meng, S. Ying, J.S. Abrams, A.B. Kay, and R. Moqbel 1496

NEOPLASIA

Immunosuppressants FK506 and Rapamycin Function as Reversal Agents of the Multidrug Resistance Phenotype..........................R.J. Arceci, K. Steiglitz, and B.E. Bierer 1528
Human Lymphotropic Retroviruses Associated With Mycosis Fungoides: Evidence That Human T-Cell Lymphotropic Virus Type II (HTLV-II) as Well as HTLV-I May Play a Role in the Disease D. Zucker-Franklin, W.C. Hooper, and B.L. Evatt 1537

PHAGOCYTES

K562 Cells Produce an Anti-Inflammatory Factor That Inhibits Neutrophil Functions In Vivo..............M. Amar, N. Amit, J.Y. Scoazec, C. Pasquier, C. Babin-Chevaye, T.P. Huu, and J. Hakim 1546
Splice Site Mutations Are a Common Cause of X-Linked Chronic Granulomatous Disease...............M. de Boer, B.G.J.M. Bolscher, M.C. Dinauer, S.H. Orkin, C.I.E. Smith, A. Ahlin, R.S. Weening, and D. Roos 1553
Changes in Na,K-ATPase Gene Expression During Granulocytic Differentiation of HL60 Cells.....S.K. Chambers, M. Gilmore-Hebert, B.M. Kacinski, and E.J. Benz Jr 1559
Granulocyte-Macrophage Colony-Stimulating Factor Induces Neutrophil Adhesion to Pulmonary Vascular Endothelium In Vivo: Role of β2 Integrins...............K.L. Yong, P.M. Rowles, K.G. Patterson, and D.C. Linch 1565

RED CELLS

Induction of Erythroid Differentiation and Fetal Hemoglobin Production in Human Leukemic Cells Treated With Phenylacetate..............................D. Samid, A. Yeh, and P. Prasanna 1576
Rapid Detection of Spanish (δβ)°-Thalassemia Deletion by Polymerase Chain Reaction.........J.L. Vives-Corrons, M.A. Pujiades, A. Miguel-Garcia, A. Miguel-Sosa, and S. Cambiaggio 1582
Developmental Switching of Messenger RNA Expression From the Human α-Globin Cluster: Fetal/Adult Pattern of 6-Globin Gene Expression.............................M. Albitar, A. Care, C. Peschle, and S.A. Liebhaber 1586

(Continued on following page)
CONTENTS

TRANSFUSION MEDICINE
Relevance of Pretransfusion Incubation of Platelets at 37°C..............R.A. de Vries, J.G. Gerritsen, M. de Bruin, J.J.M. Marx, H.C. Hart, and A. van de Wiel 1599

TRANSPLANTATION
Bone Marrow Transplantation in Adult Thalassemia...............G. Lucarelli, M. Galimberti, P. Polchi, E. Angelucci, D. Baronciani, S.M.T. Durazzi, C. Giardini, F. Albertini, and R.A. Clift 1603
Promotion of Murine Marrow Alloengraftment and Hematopoietic Recovery Across the Major Histocompatibility Barrier by Administration of Recombinant Human Interleukin-la........B.R. Blazar, M.B. Widmer, P.A. Taylor, and D.A. Vallera 1614

CORRESPONDENCE
Collection of Umbilical Cord Blood for Transplantation................................................................. 1623
Hereditary Stomatocytosis and Rh-Deficient Patients Exhibit Distinct Molecular Defects .............................. 1624
2-Chlorodeoxyadenosine in the Treatment of Multiple Myeloma ............................................................ 1626
Safe and Successful Clinical Use of the Defibrinogenating Agent Ancrod .............................................. 1626
Quantitation of CD34+ Cells .................................................................................................................. 1628
Clonal Instability in Early B-Lineage Acute Lymphoblastic Leukemia ..................................................... 1630

SPECIAL DEPARTMENTS
Announcements ................................................................................................................................. 1632
Information for Contributors ........................................................................................................... xxvi

All manuscripts submitted to BLOOD and subsequently accepted for publication will be assessed a $50.00 charge per published page. This charge is necessary to offset the increasing costs of publication.

All manuscripts submitted for consideration for publication in BLOOD should be sent to: Arthur W. Nienhuis, M.D., Editor, BLOOD, The Journal of the American Society of Hematology, 9650 Rockville Pike, Bethesda, MD 20814. For other information, call (301) 571-1895.

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.
