COVER FIGURE
Cover figure courtesy of Weber-Matthiesen et al, "Numerical Chromosome Aberrations Are Present Within the CD30' Hodgkin and Reed-Sternberg Cells in 100% of Analyzed Cases of Hodgkin's Disease." 1464

REVIEW ARTICLE
Review: Interleukin-6 Family of Cytokines and gp130 ....... T. Kishimoto, S. Akira, M. Narazaki, and T. Taga 1243

RAPID COMMUNICATIONS


Kaposi's Sarcoma-Associated Herpesvirus-Like DNA Sequences in Multicentric Castleman's Disease

Inhibition of Productive Human Immunodeficiency Virus-1 Infection by Cobalamins .......... J.B. Weinberg, D.L. Sauls, M.A. Misukonis, and D.C. Shugars 1281

CLINICAL INTERVENTION AND THERAPEUTIC TRIALS
Interleukin-6-Associated Anemia: Determination of the Underlying Mechanism .......... M.B. Atkins, K. Kapplers, J.W. Mier, R.E. Isaacs, and E.M. Berkman 1288


Interferon Maintenance Therapy for Patients With Chronic Lymphocytic Leukemia in Remission After Fludarabine Therapy .......... S. O'Brien, H. Kantarjian, M. Beran, L.E. Robertson, C. Koller, S. Lerner, and M.J. Keating 1296


HEMATOPOIESIS

(Continued on following page)
Enhancement of Murine Bone Marrow Macrophage Differentiation by $\beta$-Endorphin .......... K. Hagi, K. Inaba, H. Sakuta, and S. Muramatsu  

Murine Embryonic Yolk Sac Cells Promote In Vitro Proliferation of Bone Marrow High Proliferative Potential Colony-Forming Cells ........................................ M.C. Yoder, B. King, K. Hiatt, and D.A. Williams  


Characterization and Purification of a Primitive Hematopoietic Cell Type in Adult Mouse Marrow Capable of Lymphomyeloid Differentiation in Long-Term Marrow "Switch" Cultures ................. M.E. Lemieux, V.I. Rebel, P.M. Lansdorp, and C.J. Eaves  

HEMOSTASIS AND THROMBOSIS  
Molecular Cloning of cDNA Encoding a Novel Platelet-Endothelial Cell Tetra-Span Antigen, PETA-3  
S. Fitter, T.J. Tetaz, M.C. Berndf, and L.K. Ashman  

The Largest Variant of Platelet Glycoprotein Ib$\alpha$ Has Four Tandem Repeats of 13 Amino Acids in the Macroglycopeptide Region and a Genetic Linkage With Methionine$^{155}$ ............... F. Ishida, K. Furutaha, K. Ishida, J. Yan, K. Kitano, K. Kiyosawa, and S. Furuta  

Human Platelet Glycoprotein V: Its Role in Enhancing Expression of the Glycoprotein Ib Receptor  
D.C. Calverley, M. Yagi, S.M. Stay, and G.J. Roth  

The Effects of Low Molecular Weight and Standard Heparin on Calcium Loss From Fetal Rat Calvaria  
S.G. Shaughnessy, E. Young, P. Deschamps, and J. Hirsh  

IMMUNOBIOLOGY  

Decreased Levels of Total and Reduced Glutathione in CD4$^+$ Lymphocytes in Common Variable Immunodeficiency Are Associated With Activation of the Tumor Necrosis Factor System: Possible Immunopathogenic Role of Oxidative Stress ......................... P. Aukrust, A.M. Svardal, F. Müller, B. Lunden, R.K. Berge, and S.S. Frøland  

Delineation of an Immunodominant and Human T-Cell Lymphotropic Virus (HTLV)-Specific Epitope Within the HTLV-I Transmembrane Glycoprotein .................. K.G. Hadlock, C.-J. Goh, P.A. Bradshaw, S. Perkins, J. Lo, J.E. Kaplan, R. Khubbaz, and S.K.H. Fong  


Induction of Apoptosis in Human Eosinophils by Anti-Fas Antibody Treatment In Vitro .............. K. Matsumoto, R.P. Schleimer, H. Saito, Y. Ikura, and B.S. Bochner  

(Continued on following page)
Contents

Human Immature Thymocytes as Target Cells of the Leukemogenic Activity of Human T-Cell Leukemia Virus Type I ............................... V. Maguer-Satta, L. Gazzolo, and M. Duc Dodon

Neoplasia


Numerical Chromosome Aberrations Are Present Within the CD30+ Hodgkin and Reed-Sternberg Cells in 100% of Analyzed Cases of Hodgkin's Disease .............. K. Weber-Matthiesen, J. Deerberg, M. Poetsch, W. Grote, and B. Schlegelberger


(Continued on following page)
(Contents continued)


PHAGOCYTES


RED CELLS

Regulation of Ferritin H-Chain Expression in Differentiating Friend Leukemia Cells ............... E.M. Coccia, E. Steillacci, R. Orsatti, U. Testa, and A. Battistini 1570


Immunophenotypic Analysis of Reticulocytes in Paroxysmal Nocturnal Hemoglobinuria ............... R.E. Ware, W.F. Rosse, and S.E. Hall 1586


Shape Response of Human Erythrocytes to Altered Cell pH ............... M.M. Gedde, E. Yang, and W.H. Huestis 1595

TRANSPLANTATION

Noncycling State of Peripheral Blood Progenitor Cells Mobilized by Granulocyte Colony-Stimulating Factor and Other Cytokines ........................................ A.W. Roberts and D. Metcalf 1600

The Significance of HLA-DRB1 Matching on Clinical Outcome After HLA-A, B, DR Identical Unrelated Donor Marrow Transplantation ............... E.W. Petersdorf, G.M. Longton, C. Anasetti, P.J. Martin, E.M. McKelson, A.G. Smith, and J.A. Hansen 1606

Long-Term Effects of Hepatitis C Virus Infection in Allogeneic Bone Marrow Transplant Recipients
P. Ljungman, N. Johansson, J. Aschan, H. Gläumann, B. Lönnqvist, O. Ringdén, E. Sparrelid, A. Sönnervborg, J. Winiarski, and G. Gahrton 1614


Results of Allogeneic Bone Marrow Transplantation in Patients With Leukocyte Adhesion Deficiency C. Thomas, F. Le Deist, M. Cavazzana-Calvo, M. Benkerrou, E. Haddad, S. Blanche, W. Hartmann, W. Friedrich, and A. Fischer 1629


CORRESPONDENCE

Thrombopoietin and Neurotrophins Share a Common Domain ............................................. 1643

All-Trans Retinoic Acid for the Treatment of Newly Diagnosed Acute Promyelocytic Leukemia .......................... 1644

PHOTOGRAPH

Courtesy of Ann M. Dvorak .................................................. 1446

(Continued on following page)
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: James D. Griffin, MD, Editor-in-Chief, BLOOD, The Journal of the American Society of Hematology, 1018 Beacon Street, Brookline, MA 02146. For other information, call (617) 738-9808.

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.