### REVIEW ARTICLE

Review: Phosphatidylinositol-Linked Proteins and Paroxysmal Nocturnal Hemoglobinuria

*W. F. Rosse*

Page: 1595

### RAPID COMMUNICATION

In Vivo Effects of Recombinant Human Interleukin-6 in Primates: Stimulated Production of Platelets


Page: 1602

### CLINICAL INTERVENTION AND THERAPEUTIC TRIALS

Autologous Bone Marrow Transplantation for Acute Myelocytic Leukemia in First Remission: A European Survey of the Role of Marrow Purging


Page: 1606

### HEMATOPOIESIS

Actions of Human Interleukin-4/B-Cell Stimulatory Factor-1 on Proliferation and Differentiation of Enriched Hematopoietic Progenitor Cells in Culture

*Y. Sonoda, T. Okuda, T. Maekawa, Y. Shizumi, H. Nishigaki, S. Misawa, H. Fujii, and T. Abe*

Page: 1615

Dynamics of Erythropoietin Receptor Expression on Erythropoietin-Responsive Murine Cell Lines

*V. C. Broudy, B. Nakamoto, N. Lin, and T. Papayannopoulou*

Page: 1622

Recombinant Tumor Necrosis Factor Enhances the Proliferative Responsiveness of Murine Peripheral Macrophages to Macrophage Colony-Stimulating Factor but Inhibits Their Proliferative Responsiveness to Granulocyte-Macrophage Colony-Stimulating Factor

*B.D.-M. Chen and M. Mueller*

Page: 1627

Essential Thrombocythemia in Two Sisters Originating From Different Stem Cell Levels

*J. W. G. Janssen, B. R. Anger, H. G. Drexler, C. R. Bartram, and H. Heimpel*

Page: 1633

Phorbol 12-Myristate 13-Acetate-Induced Development of Functionally Active Mast Cells in W/W' but not SI/SI'd Genetically Mast Cell-Deficient Mice

*J. R. Gordon and S. J. Galli*

Page: 1637

Epidemiology of Aplastic Anemia in France: A Prospective Multicentric Study

*J. Y. Mary, E. Baumelou, M. Guiguet, and the French Cooperative Group for Epidemiological Study of Aplastic Anemia*

Page: 1646

### HEMOSTASIS AND THROMBOSIS

Serum Hepatitis B Virus DNA Detects Cryptic Hepatitis B Virus Infections in Multiinfused Hemophilic Patients

*M. G. Rumi, M. Colombo, R. Romeo, G. Colucci, A. Gringeri, and P. M. Mannucci*

Page: 1654

Polymerization Defect of Fibrinogen Baltimore III Due to a γAsn168 → Ile Mutation

*S. Bantia, W. R. Bell, and C. V. Dang*

Page: 1659

Purification and Characterization of Factor VIII 372-Cys: A Hypofunctional Cofactor From a Patient With Moderately Severe Hemophilia A

*D. P. O'Brien, J. K. Pattison, and E. G. D. Tuddenham*

Page: 1664

(Continued on following page)
(Contents continued)

NEOPLASIA

Role of Plasmin in the Degradation of the Stroma-Derived Fibrin in Human Ovarian Carcinoma ............O. Wilhelm, R. Hafer, A. Henschen, M. Schmitt, and H. Graeff 1673

Isochromosome 17q in Ph⁺-Negative Leukemia: A Clinical, Cytogenetic, and Molecular Study ..................R. Becher, F. Carbonell, and C.R. Bartram 1679

The Pattern of Mutational Involvement of RAS Genes in Human Hematologic Malignancies Determined by DNA Amplification and Direct Sequencing ...........................................H.G. Ahuja, A. Foti, M. Bar-Eli, and M.J. Cline 1684

RED CELLS

Hereditary Pyropoikilocytosis and Elliptocytosis in a White French Family With the Spectrin α(34) Variant Related to a CGT to CAT Codon Change (Arg to His) at Position 22 of the Spectrin αI Domain ............M. Garbarz, M.-C. Lecomte, C. Féo, I. Devaux, C. Picat, C. Lefebvre, F. Galibert, H. Gautero, O. Bourrion, C. Galand, B.G. Forget, P. Boivin, and D. Dhermy 1691

Correlation Between Erythrocyte CR1 Reduction and Other Blood Proteinase Markers in Patients With Malignant and Inflammatory Disorders ..................................................M.S. Currie, M. Vala, D.S. Pisetsky, C.S. Greenberg, J. Crawford, and H.J. Cohen 1699

Increased Nicotinamide Adenine Dinucleotide Content and Synthesis in Plasmodium falciparum-Infected Human Erythrocytes .................................................................C.R. Zerez, E.F. Roth Jr., S. Schulman, and K.R. Tanaka 1705

Mechanical Properties of Sickle Cell Membranes ..........R. Messmann, S. Gannon, S. Sarnaik, and R.M. Johnson 1711

Serum-Free Culture of Enriched Hematopoietic Progenitors Reflects Physiologic Levels of Fetal Hemoglobin Biosynthesis ..................................................................................Y. Fujimori, M. Ogawa, S.C. Clark, and G.J. Dover 1718

TRANSPLANTATION


Therapy for Chronic Myelogenous Leukemia With Unrelated Donor Bone Marrow Transplantation: Results in 102 Cases .................................................................P.B. McGlave, P. Beatty, R. Ash, and J.M. Hows 1728

Expression of Human Adenosine Deaminase in Mice After Transplantation of Genetically-Modified Bone Marrow M. Kaleko, J.V. Garcia, W.R.A. Osborne, and A.D. Miller 1733

CORRESPONDENCE

The Never-Ending Controversies in Hodgkin’s Disease ........................................................................... 1742

Recombinant Interferon Alfa-2b in Refractory Idiopathic Immune Thrombocytopenia .................................................. 1744

A Case of Paroxysmal Nocturnal Hemoglobinuria Without Deficiency of Decay-Accelerating Factor on Erythrocytes .................................................................................. 1746

Deletion δ-Thalassemia: The 7.2 Kb Deletion of Corfu δβ-Thalassemia in a Non-β-Thalassemia Chromosome ........... 1747

Regulation of Endogenous Erythropoietin Levels in Anemia Associated With Myelodysplastic Syndromes .......... 1749

SPECIAL DEPARTMENTS

Announcements ................................................................................................................................. 1751

Information for Contributors ........................................................................................................... xxx

(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: 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.

Cover photo courtesy of S. Asano et al, "In Vivo Effects of Recombinant Human Interleukin-6 in Primates: Stimulated Production of Platelets," page 1602.