REVIEW ARTICLE
Perspective: Bone Marrow Transplantation in the Treatment of Patients With Lymphoma................. J.O. Armitage 1749

RAPID COMMUNICATIONS
Detection of Chromosomal Translocation t(14;18) Within the Minor Cluster Region of \textit{bcl-2} by Polymerase Chain Reaction and Direct Genomic Sequencing of the Enzymatically Amplified DNA in Follicular Lymphomas
B.-Y. Ngan, J. Nourse, and M.L. Cleary 1759

HEMATOPOIESIS
Interleukin-3 Is a Differentiation Factor for Human Basophils............. P. Valent, G. Schmidt, J. Besemer, P. Mayer, G. Zenke, E. Liehl, W. Hinterberger, K. Lechner, D. Maurer, and P. Bettelheim 1763
The Growth of Rauscher Erythroleukemia Cells Is Mediated by Autocrine Production of a Factor With Biological Activity Similar to Interleukin-3................. G. Migliaccio, A.R. Migliaccio, S. Ruscetti, and J.W. Adamson 1770
Inhibition of Colony-Stimulating Factor-1 Activity by Monoclonal Antibodies to the Human CSF-1 Receptor
C.J. Sherr, R.A. Ashmun, J.R. Downing, M. Ohtsuka, S.G. Quan, D.W. Golde, and M.F. Roussel 1786
Characterization of Human Marrow Stromal Cells: Role in Progenitor Cell Binding and Granulopoiesis
Characterization of Guinea Pig Megakaryocyte Subpopulations at Different Phases of Maturation Prepared With a Celsep Separation System ........................................ P.K. Schick, B.P. Schick, and K. Williams-Gartner 1801
B-Lymphocyte-Derived Erythroid Burst-Promoting Activity Is Distinct From Other Known Lymphokines
L. Feldman and N. Dainiak 1814
Proteoglycan Synthesis by Hematopoietic Progenitor Cells ........................................... J.J. Minguell and M. Tavassoli 1821
Interleukin-6 Interacts With Interleukin-4 and Other Hematopoietic Growth Factors to Selectively Enhance the Growth of Megakaryocytic, Erythroid, Myeloid, and Multipotential Progenitor Cells.... D. Rennick, J. Jackson, G. Yang, J. Wideman, F. Lee, and S. Hudak 1828
Interleukin-3 Is Significantly More Effective Than Other Colony-Stimulating Factors in Long-Term Maintenance of Human Bone Marrow-Derived Colony-Forming Cells In Vitro............... M. Kobayashi, B.H. Van Leeuwen, S. Elsbury, M.E. Martinson, I.G. Young, and A.J. Hapel 1836

HEMOSTASIS AND THROMBOSIS
Pharmacokinetic and Distribution Analysis of Variant Forms of Tissue-Type Plasminogen Activator With Prolonged Clearance in Rat................................. G.R. Larsen, M. Metzger, K. Henson, Y. Blue, and P. Horgan 1842

(Continued on following page)
CONTENTS


Factor VIII:C Concentrate Purified From Plasma Using Monoclonal Antibodies: Human Studies
D.B. Brettler, A.D. Forsberg, P.H. Levine, J. Petillo, K. Lamon, and J.L. Sullivan 1859

The Mechanism of Plasminogen Activation and Fibrin Dissolution by Single Chain Urokinase-Type Plasminogen Activator in a Plasma Milieu In Vitro ......................H.R. Lijnen, B. Van Hoef, F. De Cock, and D. Collen 1864

Factors Influencing the Acceleration of Human Factor Xla Inactivation by Antithrombin III....................C.F. Scott and R.W. Colman 1873


Activation of Human Factor VII by Factors IXa and Xa on Human Bladder Carcinoma Cells.............P. Wildgoose and W. Kisiel 1888

IMMUNOBIOLOGY


Differential Effects of Interleukin-1 Alpha and Interleukin-1 Beta on Human Peripheral Blood Eosinophils
E.A. Whitcomb, C.A. Dinarello, and S.H. Pincus 1904


NEOPLASIA

Tumor Cell Heterogeneity in Multiple Myeloma: Antigenic, Morphologic, and Functional Studies of Cells From Blood and Bone Marrow .................................................M.A. King and D.S. Nelson 1925

GM-CSF Enhances 3F8 Monoclonal Antibody-Dependent Cellular Cytotoxicity Against Human Melanoma and Neuroblastoma ..........................................................B.H. Kushner and N.-K. V. Cheung 1936


(Continued on following page)
CONTENTS

PHAGOCYTES


RED CELLS


The Mechanism of Expansion of Late Erythroid Progenitors During Erythroid Regeneration: Target Cells and Effects of Erythropoietin and Interleukin-3 .......... T. Umemura, T. Papayannopoulou, and G. Stamatoyannopoulos 1993


TRANSPLANTATION

Marrow Transplantation in the Treatment of a Murine Heritable Hemolytic Anemia .................. J.E. Barker and E.C. McFarland-Starr 2014


Enhancement by Dimethyl Myleran of Donor Type Chimerism in Murine Recipients of Bone Marrow Allografts .......... T. Lapidot, A. Terenzi, T.S. Singer, O. Salomon, and Y. Reisner 2025


TRANSFUSION MEDICINE


SPECIAL DEPARTMENTS

Announcements .................................................................................................................. 2049

Information for Contributors .......................................................................................... xvi
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.