

## This Month in the Journal

- 1009 Differences in gene expression of fetal and adult mesenchymal stem cells  
*Björn Szotowski, Ursula Rauch*
- 1009-1010 Genetic polymorphisms and the risk of acquired idiopathic aplastic anemia  
*Elaine Sloand*
- 1010 A comparison of cyclic neutropenia in childhood and severe congenital neutropenia  
*David Grenda, Daniel C. Link*
- 1010 A DNA vaccine against acute promyelocytic leukemia in the mouse  
*Vittorio Rosti*
- 1010-1011 Rationale for dendritic cell-based vaccines for acute myeloid leukemia  
*Arya Biragyn*
- 1011 Prognostic significance of Epstein-Barr virus-infected cells in the bone marrow of patients with nasal natural killer/T cell lymphoma  
*Ralf Küppers*
- 1011-1012 Antigen profile and topographical distribution of marginal zone, monocytoid and epithelial-associated B-cells  
*Gaetano Bergamaschi*
- 1012-1013 ZAP-70 methylation and expression status in chronic lymphocytic leukemia  
*Stephan Stilgenbauer*
- 1013 Successful engraftment following allogeneic stem cell transplantation in very high-risk patients with busulfan as a single agent  
*Joachim Deeg*
- 1013 Extracorporeal photo-chemotherapy for graft-versus-host disease  
*Pavan Reddy*
- 1013-1014 Risk factors for Gram-negative infections in neutropenic patients  
*Matteo Giovanni della Porta, Luca Malcovati*
- 1014 Tuberculosis risk factors and mortality in patients with hematologic malignancies  
*Angelika Böhme*

## Editorials and Perspectives

- 1015-1016 2004 Impact Factor and beyond

## Research Papers

- 1017-1026 *Hematopoietic Stem Cells*  
Difference in gene expression between human fetal liver and adult bone marrow mesenchymal stem cells  
*Cecilia Götherström, Anne West, Johan Liden, Mehmet Uzunel, Riitta Labesmaa, Katarina Le Blanc*

- 1027-1031 *Aplastic Anemia*  
Genetic polymorphisms of CYP3A4, GSTT1, GSTM1, GSTP1 and NQO1 and the risk of acquired idiopathic aplastic anemia in Caucasian patients  
*Carlo Dufour, Johanna Svahn, Andrea Bacigalupo, Daniela Longoni, Stefania Varotto, Anna Paola Iori, Francesca Bagnasco, Anna Locasciulli, Giuseppe Menna, Ugo Ramenghi, Marina Lanciotti on behalf of the AIEOP (Associazione Italiana Ematologia ed Oncologia Pediatrica) and the Dipartimento di Ematologia, Ospedale San Martino, Genova*

- 1032-1041 *Phagocytes*  
Defective granulopoiesis in patients with cyclic neutropenia in childhood: comparison with that in patients with severe congenital neutropenia  
*Yasuhiko Sera, Hiroshi Kawaguchi, Kazuhiro Nakamura, Takashi Sato, Masakazu Habara, Satoshi Okada, Nobutsune Ishikawa, Seiji Kojima, Osamu Katoh, Masao Kobayashi*

- 1042-1049 *Acute Promyelocytic Leukemia*  
Murine acute promyelocytic leukemia cells can be recognized and cleared in vivo by adaptive immune mechanisms  
*Jessica L. Pollock, Andrew A. Lane, Kelly Schrimpf, Timothy J. Ley*

- 1050-1062 *Acute Myeloid Leukemia*  
Autologous peptides eluted from acute myeloid leukemia cells can be used to generate specific antileukemic CD4 helper and CD8 cytotoxic T-lymphocytes responses *in vitro*  
*Stéphanie Delluc, Léa Tourneur, Anne-Sophie Michallet, Charlotte Boix, Bruno Varet, Didier Fradelizi, Jean-Gérard Guillet, Agnès Buzyn*

- 1063-1069 *Malignant Lymphomas*  
Bone marrow positive for Epstein-Barr virus encoded RNA-1 *in situ* hybridization correlates with poor prognosis in patients with extranodal natural killer/T-cell lymphoma, nasal type  
*Wen-Tsung Huang, Kun-Chao Chang, Guan-Cheng Huang, Jenn-Ren Hsiao, Helen-HW Chen, Shih-Sung Chuang, Tsai-Yun Chen, Wu-Chou Su, Chao-Jung Tsao*

- 1070-1077 *Malignant Lymphomas*  
T-box transcription factor T-bet-positive and IRTA1-positive monocytoid B Cells differ from marginal zone B cells and epithelial-associated B cells in their antigen profile and topographical distribution  
*Korinna Jöhrens, Yoshitoko Shimizu, Ioannis Anagnostopoulos, Stefan Schiffmann, Enrico Tiacchi, Brunangelo Falini, Harald Stein*

- 1078-1088 *Chronic Lymphocytic Leukemia*  
ZAP-70 methylation status is associated with ZAP-70 expression status in chronic lymphocytic leukemia  
*Martin Corcoran, Anton Parker, Jenny Orchard, Zadie Davis, Michaela Wirtz, Oliver J. Schmitz, David Oscier*

- 1089-1095 *Stem Cell Transplantation*  
Successful engraftment following allogeneic stem cell transplantation in very high-risk patients with busulfan as a single agent  
*Menachem Bitan, Reuven Or, Michael Y Shapira, Igor B Resnick, Aliza Ackerstein, Simcha Samuel, Sharon Elad, Shimon Slavin*

- 1096-1101 *Stem Cell Transplantation*  
Extracorporeal chemophototherapy for treatment of graft-versus-host disease: hematologic consequences of short-term intensive courses  
*Frédéric Garban, Philippe Drillat, Caroline Makowski, Marie-Christine Jacob, Marie-Jeanne Richard, Marie Favrot, Jean Jacques Sotto, Jean Claude Bensa, Jean Yves Cabm*

- Infectious Disorders**  
1102-1109 Risk factors for gram-negative bacterial infections in febrile neutropenia  
*Catherine Cordonnier, Raul Herbrecht, Agnès Buzyn, Guy Leverger, Roland Leclercq, Gérard Nitenberg, Sylvie Bastuji-Garin on behalf of the CLIOH (Club de Réflexion sur les Infections en Onco-Hématologie) Group*

- Infectious Disorders**  
1110-1115 Risk factors for and attributable mortality from tuberculosis in patients with hematologic malignancies  
*Fernanda Azevedo Silva, Janini O. Matos, Fernanda C. deMello, Marcio Nucci*

## Molecular Basis of Disease

- Acute Lymphoblastic Leukemia**  
1116-1127 Genetic insights in the pathogenesis of T-cell acute lymphoblastic leukemia  
*Kim De Keersmaecker, Peter Marynen, Jan Cools*

## Decision Making and Problem Solving

- Bone Marrow Biopsy**  
1128-1132 European consensus for grading of bone marrow fibrosis and assessment of cellularity  
*Jürgen Thiele, Hans Michael Kvasnicka, Fabio Facchetti, Vito Franco, Jon van der Walt, Attilio Orzi*

## Letters to the Editor

- Red Cell Disorders**  
1133-1134 Clinical utility of the new Sysmex XE 2100 parameter RET-He - reticulocyte hemoglobin equivalent - in anemia diagnosis  
*Carmen Canals, Angel F. Remacha, María P. Sardá, José M. Piazuelo, M. Teresa Royo, M. Angeles Romero*

- Red Cell Disorders**  
1135-1136 Two new glucose-6-phosphate dehydrogenase (G6PD) mutations causing chronic hemolysis  
*Licínio Manco, Paula Gonçalves, Sandra Macedo-Ribeiro, Carlos Seabra, Paula Melo, Maria Leticia Ribeiro*

- Red Cell Disorders**  
1136-1138 Prevalence and severity of liver disease in patients with  $\beta$  thalassemia major. A single-institution fifteen-year experience  
*Vassilios Perifanis, Konstantinos Tziomalos, Ioanna Tsatra, Stavroula Karyda, Kalliopi Patsiaoura, Miranda Athanassiou-Metaxa*

- Disorders of Iron Metabolism**  
1138-1139 Hemoglobinopathies, body iron stores and gestational diabetes mellitus  
*Gabriela Benciová, Alexander Krafft, Tilo Burkhardt, Roland Zimmermann*

- Chronic Myeloid Leukemia**  
1139-1141 E6a2 BCR/ABL1 fusion with cryptic der(9)t(9;22) deletions in a patient with chronic myeloid leukemia  
*Giovanni Roti, Roberta La Starza, Paolo Gorello, Enrico Gottardi, Barbara Crescenzi, Massimo F. Martelli, Cristina Mecucci*

- Multiple Myeloma**  
1141-1143 Baseline Tc<sup>99m</sup>-MIBI scanning predicts survival in multiple myeloma and helps to differentiate this disease from monoclonal gammopathy of unknown significance  
*Martín Gutiérrez Martín, María Soledad Romero Colás, María Victoria Dourdil Sabún, Paula Razola Alba, Javier Banzo Narraco*

- Chronic Lymphocytic Leukemia**  
1143-1145 Low-dose intravenous Alemtuzumab therapy in pretreated patients affected by chronic lymphocytic leukemia. A single center experience  
*Luca Laurenti, Paola Piccioni, Michela Tarnani, Dimitar G. Efreimov, Alessia Fiorini, Mariagrazia Garzia, Simona Sica*

- Chronic Lymphocytic Leukemia**  
1145-1147 Multiple lines of chemotherapy are the main risk factor for severe infections in all patients with febrile episodes  
*Alfredo Molteni, Annamaria Nosari, Marco Montillo, Anna Cafro, Catherine Klersy, Enrica Morra*

- Multiple Myeloma**  
1147-1148 Bone marrow plasma cell microaggregates detected by immunohistology predict earlier relapse in patients with minimal disease after high-dose therapy for myeloma  
*Andrew Wei, David Westerman, Frank Feleppa, Melanie Trivett, Surender Juneja*

- Disorders of Hemostasis**  
1148-1150 Factor XI deficiency: identification of six novel missense mutations (P23L, P69T, C92G, E243D, W497C and E547K)  
*Florence Quélin, Dominique François, Roseline d'Oiron, Benoit Guillet, Emmanuelle de Raucourt, Philippe de Mazancourt*

## Continuing Medical Education

- 1151 Grading of bone marrow cellularity and fibrosis  
1152 Risk factors for gram-negative bacterial infections in febrile neutropenia  
1152 Molecular pathogenesis of T-cell acute lymphoblastic leukemia