

## Cover Figure

Interphase chromosome positions of mononuclear Hodgkin cells. This image is taken from the original article by Guffei et al on page 2038.

## Editorials and Perspectives

- 1985** **Erythroblast enucleation**  
*Anna Rita Migliaccio*
- 1989** **Novel tools for the evaluation of iron metabolism**  
*Léon Kautz and Elizabeta Nemeth*
- 1992** **Biological and clinical significance of stereotyped B-cell receptors in chronic lymphocytic leukemia**  
*Davide Rossi and Gianluca Gaidano*

## Original Articles

- 1996** **Hematopoiesis**  
 **$\delta$ -tocotrienol protects mouse and human hematopoietic progenitors from  $\gamma$ -irradiation through extracellular signal-regulated kinase/mammalian target of rapamycin signaling**  
*Xiang Hong Li, Dadin Fu, Nabil H. Latif, Conor P. Mullaney, Patrick H. Ney, Steven R. Mog, Mark H. Whitnall, Venkataraman Srinivasan, and Mang Xiao*
- 2005** **Hematopoiesis**  
**Co-expression of the collagen receptors leukocyte-associated immunoglobulin-like receptor-1 and glycoprotein VI on a subset of megakaryoblasts**  
*Tessa A.M. Steevens, Geertje H.A. Westerlaken, Marloes R. Tijssen, Paul J. Coffey, Peter J. Lenting, Jan Willem N. Akkerman, and Linde Meygaard*
- 2013** **Hematopoiesis**  
**Histone deacetylase 2 is required for chromatin condensation and subsequent enucleation of cultured mouse fetal erythroblasts**  
*Peng Ji, Victor Yeh, Tzutzy Ramirez, Maki Murata-Hori, and Harvey F. Lodish*
- 2022** **Lymphocyte Biology**  
**Indoleamine 2,3-dioxygenase-expressing leukemic dendritic cells impair a leukemia-specific immune response by inducing potent T regulatory cells**  
*Antonio Curti, Sara TrabANELLI, Chiara Onofri, Michela Aluigi, Valentina Salvestrini, Darina Ocádlíková, Cecilia Evangelisti, Sergio Rutella, Raimondo De Cristofaro, Emanuela Ottaviani, Michele Baccarani, and Roberto M. Lemoli*

- 2031** **Iron Metabolism**  
**Immunoassay for human serum hemojuvelin**  
*Carole Brasse-Lagnel, Maura Poli, Céline Lesueur, Bernard Grandchamp, Alain Lavoigne, Carole Beaumont, and Soumeiya Bekri*

- 2038** **Hodgkin's Lymphoma**  
**Dynamic chromosomal rearrangements in Hodgkin's lymphoma are due to ongoing three-dimensional nuclear remodeling and breakage-bridge-fusion cycles**  
*Amanda Guffei, Rahul Sarkar, Ludger Klewes, Christiaan Righolt, Hans Knecht, and Sabine Mai*

- 2047** **Malignant Lymphomas**  
**Detection of genomic aberrations in molecularly defined Burkitt's lymphoma by array-based, high resolution, single nucleotide polymorphism analysis**  
*René Scholtysik, Markus Kreuz, Wolfram Klapper, Birgit Burkhardt, Alfred C. Feller, Michael Hummel, Markus Loeffler, Maciej Rosolowski, Carsten Schwaenen, Rainer Spang, Harald Stein, Christoph Thorns, Lorenz Trümper, Inga Vater, Swen Wessendorf, Thorsten Zenz, Reiner Siebert, and Ralf Küppers, for the "Molecular Mechanisms in Malignant Lymphomas" Network Project of the Deutsche Krebshilfe*

- 2056** **Malignant Lymphomas**  
**The pre-B-cell receptor associated protein VpreB3 is a useful diagnostic marker for identifying c-MYC translocated lymphomas**  
*Scott J. Rodig, Jeffery L. Kutok, Jennifer C. Paterson, Hiroaki Niita, Wenjun Zhang, Bjoern Chapuy, Lynette K. Tumwine, Santiago Montes-Moreno, Claudio Agostinelli, Nathalie A. Johnson, Susana Ben-Neriah, Pedro Farinha, Margaret A. Shipp, Miguel A. Piris, Thomas M. Grogan, Stefano A. Pileri, Randy D. Gascoyne, and Teresa Marafioti*

- 2063** **Malignant Lymphomas**  
**HuMab-7D8, a monoclonal antibody directed against the membrane-proximal small loop epitope of CD20 can effectively eliminate CD20<sup>low</sup> expressing tumor cells that resist rituximab mediated lysis**  
*Tom van Meerten, Henk Rozemuller, Samantha Hol, Petra Moerer, Mieke Zwart, Anton Hagenbeek, Wendy J.M. Mackus, Paul W.H.I. Parren, Jan G.J. van Winkel, Saskia B. Ebeling, and Anton C. Martens*

- 2072** **Lymphoproliferative Disorders**  
**Distinct gene expression profiles in subsets of chronic lymphocytic leukemia expressing stereotyped IGHV4-34 B-cell receptors**  
*Millaray Marincevic, Mahmoud Mansouri, Meena Kanduri, Anders Isaksson, Hanna Göransson, Karin Ekström Smedby, Jesper Jurlander, Gunnar Juliusson, Fred Davi, Kostas Stamatopoulos, and Richard Rosenquist*

- 2080** **Familial hemophagocytic lymphohistiocytosis**  
 Atypical familial hemophagocytic lymphohistiocytosis due to mutations in *UNC13D* and *STXBP2* overlaps with primary immunodeficiency diseases  
*Jan Rohr, Karin Beutel, Andrea Maul-Pavicic, Thomas Vraetz, Jens Thiel, Klaus Warnatz, Ilka Bondzio, Ute Gross-Wieltsch, Michael Schündeln, Barbara Schütz, Wilhelm Woessmann, Andreas H. Groll, Brigitte Strahm, Julia Pagel, Carsten Speckmann, Gritta Janka, Gillian Griffiths, Klaus Schwarz, Udo zur Stadt, and Stephan Ehl*
- 2088** **Thrombosis**  
 Physical activity and risk of venous thromboembolism. The Tromsø study  
*Knut H. Borch, Ida Hansen-Krone, Sigrid K. Braekke, Ellisiv B. Mathiesen, Inger Njolstad, Tom Wilsgaard, and John-Bjarne Hansen*
- 2095** **Thrombosis**  
 Inconsistency of different methods for assessing *ex vivo* platelet function: relevance for the detection of aspirin resistance  
*Giulia Renda, Maria Zurro, Gelsomina Malatesta, Benedetta Ruggieri, and Raffaele De Caterina*
- 2102** **Stem Cell Transplantation**  
 Mesenchymal stromal cells transiently alter the inflammatory milieu post-transplant to delay graft-versus-host disease  
*Melinda E. Christensen, Brie E. Turner, Laura J. Sinfield, Katarina Kollar, Hannah Cullup, Nigel J. Waterhouse, Derek N.J. Hart, Kerry Atkinson, and Alison M. Rice*
- 2111** **Stem Cell Transplantation**  
 Nuclear factor- $\kappa$ B inducing kinase is required for graft-versus-host disease  
*Carmen Sánchez-Valdepeñas, Lucía Casanova, Isabel Colmenero, Mar Arriero, Africa González, Nieves Lozano, Marta González-Vicent, Miguel A. Díaz, Luis Madero, Manuel Fresno, and Manuel Ramírez*
- 2119** **Stem Cell Transplantation**  
 Impact of age on outcomes after bone marrow transplantation for acquired aplastic anemia using HLA-matched sibling donors  
*Vikas Gupta, Mary Eapen, Ruta Brazauskas, Jeanette Carreras, Mahmoud Aljurf, Robert Peter Gale, Gregory A. Hale, Osman Ilhan, Jakob R. Passweg, Ollé Ringdén, Mitchell Sabloff, Hubert Schrezenmeier, Gerard Socié, and Judith C.W. Marsh*

- 2126** **Stem Cell Transplantation**  
 Efficacy and outcome of autologous transplantation in rare myelomas  
*Curly Morris, Mary Drake, Jane Apperley, Simona Iacobelli, Anja van Biezen, Bo Björkstrand, Hartmut Goldschmidt, Jean-Luc Harousseau, Gareth Morgan, Theo de Witte, Dieter Niederwieser, and Gosta Gahrton for the Myeloma Subcommittee of the Chronic Leukaemia Working Party of the EBMT*

- 2134** **Cell Therapy and Immunotherapy**  
 Molecular and functional characterization of allogeneic-specific anergic T cells suitable for cell therapy  
*Rosa Bacchetta, Silvia Gregori, Giorgia Serafini, Claudia Sartirana, Ute Schulz, Elisabetta Zino, Stefan Tomiuk, Uwe Jansen, Maurilio Ponzoni, Carlo Terenzio Paties, Katharina Fleischhauer, and Maria Grazia Roncarolo*

- 2144** **Cell Therapy and Immunotherapy**  
 Cytokine-induced killer cells for cell therapy of acute myeloid leukemia: improvement of their immune activity by expression of CD33-specific chimeric receptors  
*Virna Marin, Irene Pizzitola, Valentina Agostoni, Greta Maria Paola Giordano Attianese, Helene Finney, Alastair Lawson, Martin Pule, Raphael Rousseau, Andrea Biondi, and Ettore Biagi*

## Brief Reports

- 2153** **Myeloproliferative Neoplasms**  
 Molecular mechanisms associated with leukemic transformation of MPL-mutant myeloproliferative neoplasms  
*Philip A. Beer, Christina A. Ortmann, Frank Stegelmann, Paola Guglielmelli, John T. Reilly, Thomas S. Larsen, Hans C. Hasselbalch, Alessandro M. Vannucchi, Peter Möller, Konstanze Döhner, and Anthony R. Green*

- 2157** **Malignant Lymphomas**  
 Vascularization predicts overall survival and risk of transformation in follicular lymphoma  
*Pedro Farinha, Alastair H. Kyle, Andrew I. Minchinton, Joseph M. Connors, Aly Karsan, and Randy D. Gascoyne*

## Letters to the Editor

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### Acute Lymphoblastic Leukemia

**SQSTM1-NUP214: a new gene fusion in adult T-cell acute lymphoblastic leukemia**

Paolo Gorello, Roberta La Starza, Danika Di Giacomo, Monica Messina, Maria Cristina Puzzolo, Barbara Crescenzi, Alessandra Santoro, Sabina Chiaretti, and Cristina Mecucci

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### Disorders of Hemostasis

**Polymorphic variation within the VWF gene contributes to the failure to detect mutations in patients historically diagnosed with type 1 von Willebrand disease from the MCMDM-1VWD cohort**

Daniel J. Hampshire, George J. Burghel, Jenny Goudemand, Laura C. S. Bouvet, Jeroen C. J. Eikenboom, Reinhard Schneppenheim, Ulrich Budde, Ian R. Peake, and Anne C. Goodeve on behalf of the EU-VWD and ZPMCB-VWD study groups

## Retraction

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**Characterisation of 7q32 deletion of splenic marginal zone lymphoma demonstrates frequent miR-182 somatic mutations in a wide range of lymphoma subtypes**

Alan James Watkins, Rifat Hamoudi, Hongxiang Liu, Jianzhong Zhang, Laurence de Leval, Peter Isaacson, Andrew Wotherspoon, and Ming-Qing Du  
*Haematologica* published November 11, 2010  
as doi:10.3324/haematol.2010.029181

## Errata

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**No association between myeloproliferative neoplasms and the Crohn's disease-associated STAT3 predisposition SNP rs744166**

Amy V. Jones and Nicholas C.P. Cross  
*Haematologica*. 2010;95:1226-1227

## Continuing Medical Education

**Effect of age on post-transplant outcome in acquired aplastic anemia**

**Platelet function tests for detecting aspirin resistance**

**Prognostic significance of increased angiogenesis in follicular lymphoma**

**Atypical familial hemophagocytic lymphohistiocytosis**