COVER FIGURE

Image of CXCL12-stimulated HEK-293T cells expressing a WHIM-like, green fluorescent protein (GFP)-tagged CXCR4 receptor lacking the filamin A-binding site at the third intracellular loop (X4WHIM-1,3ΔA; green), and stained for lysosome-associated membrane protein 1 (LAMP1; red). WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome is a rare immunodeficiency associated with variants of the chemokine receptor CXCR4 containing mutations that lead to a hyperfunctional receptor with impaired internalization. Mutation of the filamin A-binding site at the third intracellular loop of the WHIM-like CXCR4 receptor restores ligand-induced receptor endocytosis, as seen by the colocalization (yellow) of the mutant receptor with the lysosomal marker LAMP1. The cell nuclei were counterstained with the DNA-binding dye DAPI. This image, at ×60 magnification, represents a 0.33-μm confocal plane captured on a two-laser confocal Olympus Fluoview FV-1000 microscope. See the article by Gómez-Moutón et al on page 1116.

INSIDE BLOOD COMMENTARIES

1051 Separating the wheat from the chaff in cHL
Jamal S. Blachly
Comment on Reichel et al, page 1061

1052 The problem of acquired hemophilia
Francesco Baudo and Francesco de Cataldo
Comment on Tiele et al, page 1091

1053 Engineering regulatory T cells against factor VIII inhibitors
Paul C. Moorehead
Comment on Kim et al, page 1107

1055 TLR2 links iron metabolism and erythropoiesis
Kostas Papatheo
Comment on Nai et al, page 1170

1056 Factor VIII inhibitor: affinity is the clue
Marc Jacquemain and Kathelijne Peeters
Comment on Hofstee et al, page 1180

1058 HLA mismatching in transplantation
Effie W. Petersdorf
Comment on Morishima et al, page 1189

PLENARY PAPER

1061 Flow sorting and exome sequencing reveal the oncogeneome of primary Hodgkin and Reed-Sternberg cells
Jonathan Reichel, Amy Chadburn, Paul G. Rubinstein, Lisa Giulino-Roth, Wayne Tam, Yifang Liu, Rafael Gaioli, Kenneth Eng, Joshua Brody, Giorgio Inghirami, Carmelo Carlo-Stella, Armando Santoro, Daoud Rahal, Jennifer Totonchy, Olivier Elemento, Ezhel Cesaran, and Mikhail Ross

BLOOD SPOTLIGHT

1073 Manifestations and clinical impact of pediatric inherited thrombophilia
Irene L. M. Klaassen, C. Heleen van Ommeren, and Saskia Middendorp
1078 **FDG PET-CT in follicular lymphoma: a case-based evidence review**
Stephen D. Smith, Mary Redman, and Kieron Dunleavy

**HOW I TREAT**

1083 **How I treat juvenile myelomonocytic leukemia**
Franco Locatelli and Charlotte M. Niemeyer

1081 **Prognostic factors for remission of and survival in acquired hemophilia A (AHA); results from the GTH-AH 01/2010 study**

**HEMATOPOIESIS AND STEM CELLS**

1096 **Inflammatory signaling regulates hematopoietic stem and progenitor cell emergence in vertebrates**
Qihong He, Chunxia Zhang, Lu Wang, Puapen Zhang, Dongyuan Ma, Jianhua Lv, and Feng Liu

**IMMUNOBIOLOGY**

1107 **Engineered antigen-specific human regulatory T cells: immunosuppression of FVIII-specific T- and B-cell responses**
Yong-Chan Kim, Ai-Hong Zhang, Yan Su, Sadiye Amcasıoğlu Rieder, Robert J. Rossi, Ruth A. Ettinger, Kathleen P. Pratt, Ethan M. Shevach, and David W. Scott

1116 **Filamin A interaction with the CXCR4 third intracellular loop regulates endocytosis and signaling of WT and WHIM-like receptors**
Concepción Gómez-Moutón, Thierry Fischer, Rosa M. Pereigil, Sonia Jiménez-Barranda, Thomas P. Stossel, Fumihiro Nakamura, and Santos Mañes

**LYMPHOID NEOPLASIA**

1126 **Expression of executioner caspases and their activation by a procaspase-activating compound in chronic lymphocytic leukemia cells**
Virekumar Patel, Kumar ödha Balakrishnan, Michael J. Keating, William G. Wierda, and Varsha Gandhi

1137 **Global microRNA expression profiling uncovers molecular markers for classification and prognosis in aggressive B-cell lymphoma**
Javeed Iqbal, Yulei Shen, Xin Huang, Yanyan Liu, Laura Wake, Culling Liu, Karen Deffenbacher, Cynthia M. Lachel, Chao Wang, Joseph Rohr, Shuangqiang Guo, Lynette M. Smith, George Wright, Sharanabshree Bhagavathi, Karen Dykkaer, Kai Fu, Timothy C. Greiner, Julie M. Vose, Elaine Jaffe, Lisa Rimsza, Andreas Rosenwald, German Ott, Jan Delebie, Elhas Campo, Rita M. Buzel, James R. Cook, Raymond R. Tubbs, James O. Armitage, Dennis D. Weisenburger, Louis M. Stauch, Randy D. Gascoyne, Timothy W. McKeithan, and Wing C. Chan

**PHAGOCYTES, GRANULOCYTES, AND MYELOPOIESIS**

1146 **P-Rex and Vav Rac-GEFs in platelets control leukocyte recruitment to sites of inflammation**
Dingxin Pan, Richard T. Amison, Yanira Riffo-Vasquez, Domenico Spina, Simon J. Cleary, Michael J. Wakeham, Clive P. Page, Simon C. Pitchford, and Heidi C. E. Welch

**PLATELETS AND THROMBOPOIESIS**

1159 **The thrombopoietin receptor P106L mutation functionally separates receptor signaling activity from thrombopoietin homeostasis**
Clemens Stocklaeumer, Anne-Christine Kloetzer, Nicole Dickermann, Isabelle N. Kabli, Christin M. Duffert, Carolin Kerber, Niels H. Gehring, and Andreas E. Kulozik
The second transferrin receptor regulates red blood cell production in mice
Antonella Nai, Maria Rosa Lidonnici, Marco Rausa, Giacomo Mandelli, Alessia Pagani,
Laura Silvestri, Giuliana Ferrari, and Clara Carnachella

Affinity of FVIII-specific antibodies reveals major differences between neutralizing
and nonneutralizing antibodies in humans
Christoph J. Hofbauer, Shawn F. J. Whelan, Maria Hirschler, Peter Allacher, Frank M. Horling,
John-Philip Lawo, Johannes Oldenburg, Andreas Tiede, Christoph Male, Jerzy Windyga,
Andreas Greinacher, Paul N. Kuöki, Gerald Schrenk, Jadranka Koehn, Friedrich Scheiffinger,
and Birgit M. Reipert

Biological significance of HLA locus matching in unrelated donor bone marrow
transplantation
Yasu Morishima, Koichi Kashiwase, Keitaro Matsuo, Fumihira Azuma, Satoko Morishima,
Makoto Onizuka, Toshio Yabe, Makoto Murata, Noriko Doku, Tetsuya Eto, Takehiko Mori,
Koichi Miyamura, Hiroshi Sato, Tatsumo Ichinohe, Hiroo Saji, Shunichi Kato, Yoshiko Atsuta,
Keisei Kawa, Yoshihisa Kodera, and Takehiko Sasaizuki, for the Japan Marrow Donor Program

Orange-colored Russell bodies by Papanicolaou stain
Irene Thung and Xiangdong Xu

Classifieds

SUBMISSION INSTRUCTIONS

All manuscripts, including figures, should be submitted electronically at
http://submit.bloodjournal.org to Editor-in-Chief Bob Löwenberg, MD, PhD. Before submitting your
paper, review Blood’s Author Guide at http://bloodjournal.hematologylibrary.org/site/authors/
authorguide.xhtml. If you need help during the submission process, contact the Editorial Office by
phone at 202-776-0548 or via e-mail at editorial@hematology.org.