

## COVER FIGURE

The interaction between Nbeal2 and Vac14 is illustrated by a proximity ligation assay where red dots indicate such interaction. Megakaryocytes are counterstained with phalloidin (green) and DAPI (4',6-diamidino-2-phenylindole; blue) to allow their visualization. See the article by Mayer et al on page 1000.

## BLOOD COMMENTARIES

### 943 | MRD negativity as a surrogate for PFS in CLL?

Philip A. Thompson

Comment on Dimier et al, page 955

### 944 | The elusive pathogenesis of Schnitzler syndrome

Giovanni Palladini and Giampaolo Merlini

Comment on Rowczenio et al, page 974

### 946 | R-spondin(g) to syndecan-1 in myeloma

Steven Grant

Comment on Ren et al, page 982

### 948 | "Dar"-ing to target CD38 in T-ALL

Joseph Wynne and Wendy Stock

Comment on Bride et al, page 995

### 949 | BEACHcombing for $\alpha$ -granules

Sidney W. Whiteheart

Comment on Mayer et al, page 1000

### 950 | Unwinding the path from anemia to stroke

John C. Wood

Comment on Guilliams et al, page 1012

### 952 | Hemophilia gene therapy is effective and safe

Michael Makris

Comment on Miesbach et al, page 1022

## CLINICAL TRIALS AND OBSERVATIONS

### 955 | A model for predicting effect of treatment on progression-free survival using MRD as a surrogate end point in CLL

Natalie Dimier, Paul Delmar, Carol Ward, Rodica Morariu-Zamfir, Günter Fingerle-Rowson, Jasmin Bahlo, Kirsten Fischer, Barbara Eichhorst, Valentin Goede, Jacques J. M. van Dongen, Matthias Ritgen, Sebastian Böttcher, Anton W. Langerak, Michael Kneba, and Michael Hallek

## HEMATOPOIESIS AND STEM CELLS

### 963 | Hif-1 $\alpha$ and Hif-2 $\alpha$ regulate hemogenic endothelium and hematopoietic stem cell formation in zebrafish

Claudia Gerri, Michele Marass, Andrea Rossi, and Didier Y. R. Stainier

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## IMMUNOBIOLOGY AND IMMUNOTHERAPY

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### 974 | **Molecular genetic investigation, clinical features, and response to treatment in 21 patients with Schnitzler syndrome**

Dorota M. Rowczenio, Shelly Pathak, Juan I. Arostegui, Anna Mensa-Vilaro, Ebum Omoyinmi, Paul Brogan, Dan Lipsker, Thomas Scambler, Roger Owen, Hadija Trojer, Anna Baginska, Julian D. Gillmore, Ashutosh D. Wechalekar, Thirusa Lane, Rene Williams, Taryn Youngstein, Philip N. Hawkins, Sinisa Savic, and Helen J. Lachmann

## LYMPHOID NEOPLASIA

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### 982 | **Syndecan-1 promotes Wnt/ $\beta$ -catenin signaling in multiple myeloma by presenting Wnts and R-spondins**

Zemin Ren, Harmen van Andel, Wim de Lau, Robin B. Hartholt, Madelon M. Maurice, Hans Clevers, Marie José Kersten, Marcel Spaargaren, and Steven T. Pals

### 995 | **Brief Report**

#### **Preclinical efficacy of daratumumab in T-cell acute lymphoblastic leukemia**

Karen L. Bride, Tiffaney L. Vincent, Soo-Yeon Im, Richard Aplenc, David M. Barrett, William L. Carroll, Robin Carson, Yunfeng Dai, Meenakshi Devidas, Kimberly P. Dunsmore, Tori Fuller, Tina Glisovic-Aplenc, Terzah M. Horton, Stephen P. Hunger, Mignon L. Loh, Shannon L. Maude, Elizabeth A. Raetz, Stuart S. Winter, Stephan A. Grupp, Michelle L. Hermiston, Brent L. Wood, and David T. Teachey

## PLATELETS AND THROMBOPOIESIS

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### 1000 | **Nbeal2 interacts with Dock7, Sec16a, and Vac14**

Louisa Mayer, Maria Jaształ, Mercedes Pardo, Salvadora Aguera de Haro, Janine Collins, Tadbir K. Bariana, Peter A. Smethurst, Luigi Grassi, Romina Petersen, Paquita Nurden, Rémi Favier, Lu Yu, Stuart Meacham, William J. Astle, Jyoti Choudhary, Wyatt W. Yue, Willem H. Ouwehand, and Jose A. Guerrero

## RED CELLS, IRON, AND ERYTHROPOIESIS

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### 1012 | **Red cell exchange transfusions lower cerebral blood flow and oxygen extraction fraction in pediatric sickle cell anemia**

Kristin P. Guillems, Melanie E. Fields, Dustin K. Ragan, Cihat Eldeniz, Michael M. Binkley, Yasheng Chen, Liam S. Comiskey, Allan Doctor, Monica L. Hulbert, Joshua S. Shimony, Katie D. Vo, Robert C. McKinstry, Hongyu An, Jin-Moo Lee, and Andria L. Ford

## THROMBOSIS AND HEMOSTASIS

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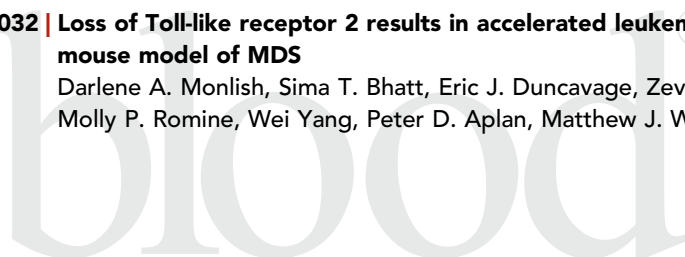
### 1022 | **Gene therapy with adeno-associated virus vector 5–human factor IX in adults with hemophilia B**

Wolfgang Miesbach, Karina Meijer, Michiel Coppens, Peter Kampmann, Robert Klamroth, Roger Schutgens, Marco Tangelder, Giancarlo Castaman, Joachim Schwäble, Halvard Bonig, Erhard Seifried, Federica Cattaneo, Christian Meyer, and Frank W. G. Leebeek

## LETTER TO BLOOD

### 1032 | **Loss of Toll-like receptor 2 results in accelerated leukemogenesis in the NUP98-HOXD13 mouse model of MDS**

Darlene A. Monlish, Sima T. Bhatt, Eric J. Duncavage, Zev J. Greenberg, John L. Keller, Molly P. Romine, Wei Yang, Peter D. Aplan, Matthew J. Walter, and Laura G. Schuettelpelz



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## **BLOOD WORK**

**1036 | Myelophthistic marrow involved by breast cancer and acute myeloid leukemia**  
William Shomali and Jason Gotlib

## **ERRATUM**

**1037 | Lin RJ, Behera M, Diefenbach CS, Flowers CR. Role of anthracycline and comprehensive geriatric assessment for elderly patients with diffuse large B-cell lymphoma. *Blood*. 2017; 130(20):2180-2185.**

## **OTHER DEPARTMENTS**

**iiib | Classifieds**



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