



## COVER FIGURE

Filamin (green) is delocalized from vinculin (red) in 1-hour-spreading cells. Merged confocal sections of enhanced green fluorescent protein-filamin wild type were fixed after plating on fibronectin-coated glass for 1 hour. Such delocalization is consistent with the model where filamin-bound integrin  $\alpha$  cytoplasmic tail (CT) is widely separated from  $\beta$  CT-linked focal adhesion complexes containing vinculin. See the article by Liu et al on page 2629.

## BLOOD COMMENTARIES

- 2545 | The next frontier: enter PD-1 and exit PET scans?**  
Matthew Mei and Alex F. Herrera  
Comment on Lynch et al, page 2576
- 2546 | CXCR4 to improve both T cell homing and function**  
Miriam Y. Kim  
Comment on Biondi et al, page 2587
- 2548 | Intercepting the B-T cell tête-à-tête**  
Prashant Kapoor and Jorge J. Castillo  
Comment on Sacco et al, page 2615
- 2550 | Cytosolic antigens prime RBC alloantibodies**  
Richard J. Benjamin  
Comment on Jajosky et al, page 2642

## REVIEW ARTICLE

- 2553 | Metabolism in stem cell-driven leukemia: parallels between hematopoiesis and immunity**  
Kevin M. Rattigan, Martha M. Zarou, and G. Vignir Helgason

## HOW I TREAT

- 2566 | How I treat older patients with DLBCL in the frontline setting**  
Pieternella J. Lugtenburg and Pim G. N. J. Mutsaers

## CLINICAL TRIALS AND OBSERVATIONS

- 2576 | Concurrent pembrolizumab with AVD for untreated classic Hodgkin lymphoma**  
Ryan C. Lynch, Chaitra S. Ujjani, Christina Poh, Edus H. Warren, Stephen D. Smith, Mazyar Shadman, Brian Till, Vikram M. Raghunathan, Stefan Alig, Ash A. Alizadeh, Avanti Gulhane, Delphine L. Chen, Yolanda Tseng, Hilary Coye, Megan Shelby, Susan Ottemiller, Sarith Keo, Kaitlin Verni, Hongyan Du, Jacquelin Vandermeer, Ashley Gaston, Heather Rasmussen, Paul Martin, Edmond Marzbani, Jenna Voutsinas, and Ajay K. Gopal

## IMMUNOBIOLOGY AND IMMUNOTHERAPY

- 2587 | Selective homing of CAR-CIK cells to the bone marrow niche enhances control of the acute myeloid leukemia burden**  
Marta Biondi, Sarah Tettamanti, Stefania Galimberti, Beatrice Cerina, Chiara Tomasoni, Rocco Piazza, Samantha Donsante, Simone Bido, Vincenzo Maria Perriello, Vania Broccoli, Andrea Doni, Francesco Dazzi, Alberto Mantovani, Gianpietro Dotti, Andrea Biondi, Alice Pievani, and Marta Serafini

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## LYMPHOID NEOPLASIA

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### 2599 | Ubiquitin receptor PSMD4/Rpn10 is a novel therapeutic target in multiple myeloma

Ting Du, Yan Song, Arghya Ray, Xueping Wan, Yao Yao, Mehmet K. Samur, Chen Shen, Johany Penailillo, Tomasz Sewastianik, Yu-Tzu Tai, Mariateresa Fulciniti, Nikhil C. Munshi, Hao Wu, Ruben D. Carrasco, Dharminder Chauhan, and Kenneth C. Anderson

### 2615 | Targeting the immune microenvironment in Waldenström macroglobulinemia via halting the CD40/CD40-ligand axis

Antonio Sacco, Vanessa Desantis, Jon Celay, Viviana Giustini, Fabio Rigali, Francesco D. Savino, Michele Cea, Debora Soncini, Antonia Cagnetta, Antonio G. Solimando, Deborah D'Aliberti, Silvia Spinelli, Daniele Ramazzotti, Camillo Almici, Katia Todoerti, Antonino Neri, Antonella Anastasia, Alessandra Tucci, Marina Motta, Marco Chiarini, Yawara Kawano, Jose A. Martinez-Climent, Rocco Piazza, and Aldo M. Roccaro

## PLATELETS AND THROMBOPOIESIS

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### 2629 | A mechanism of platelet integrin $\alpha IIb\beta 3$ outside-in signaling through a novel integrin $\alpha IIb$ subunit–filamin–actin linkage

Jianmin Liu, Fan Lu, Sujay Subbaya Ithychanda, Marcin Apostol, Mitali Das, Gauravi Deshpande, Edward F. Plow, and Jun Qin

## TRANSFUSION MEDICINE

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### 2642 | Prior immunization against an intracellular antigen enhances subsequent red blood cell alloimmunization in mice

Ryan Jajosky, Seema R. Patel, Shang-Chuen Wu, Kashyap Patel, Mischa Covington, Mary Vallecillo-Zúniga, Diyoly Ayona, Ashley Bennett, C. John Luckey, Krystalyn E. Hudson, Jeanne E. Hendrickson, Stephanie C. Eisenbarth, Cassandra D. Josephson, Patricia E. Zerra, Sean R. Stowell, and Connie M. Arthur

## LETTERS TO BLOOD

### 2654 | A phase 2 prospective study of bortezomib, cyclophosphamide, and dexamethasone in patients with newly diagnosed iMCD

Hao Zhao, Miao-yan Zhang, Kai-ni Shen, Jun Feng, Xin-xin Cao, Ming-hui Duan, Dao-bin Zhou, Lu Zhang, and Jian Li

### 2657 | Prospective validation of the prognostic relevance of CD34<sup>+</sup>CD38<sup>-</sup> AML stem cell frequency in the HOVON-SAKK132 trial

Lok Lam Ngai, Diana Hanekamp, Fleur Janssen, Jannemieke Carbaat-Ham, Maaïke A. M. A. Hofland, Mona M. H. E Fayed, Angèle Kelder, Laura Oudshoorn-van Marsbergen, Willemijn J. Scholten, Alexander N. Snel, Costa Bachas, Jesse M. Tetters, Dimitri A. Breems, Thomas Fischer, Bjørn T. Gjertsen, Laimonas Griškevičius, Gunnar Juliusson, Arjan A. van de Loosdrecht, Johan A. Maertens, Markus G. Manz, Thomas Pabst, Jakob R. Passweg, Kimmo Porkka, Peter J. M. Valk, Patrycja Gradowska, Bob Löwenberg, David C. de Leeuw, Jeroen J. W. M. Janssen, Gert J. Ossenkoppele, and Jacqueline Cloos

## BLOOD WORK

### 2662 | Vacuolated lymphocytes, a leading piece of diagnostic evidence for a rare storage disorder

Elham Jamali and Reza Ranjbaran

### 2663 | Pediatric mixed phenotype acute leukemia, T/myeloid, with isolated *FLT3* mutation

Hamza Tariq and Adam Davis

## OTHER DEPARTMENTS

ib | Classifieds

