

## Minireviews

- 2781 Induced pluripotent stem cell-derived human platelets: one step closer to the clinic  
Christos Gekas and Thomas Graf

## Brief Definitive Reports

- 2785 Therapy-induced selective loss of leukemia-initiating activity in murine adult T cell leukemia  
Hiba El Hajj, Marwan El-Sabban, Hideki Hasegawa, Ghazi Zaatari, Julien Ablain, Shahrazad T. Saab, Anne Janin, Rami Mahfouz, Rihab Nasr, Youmna Kfoury, Christophe Nicot, Olivier Hermine, William Hall, Hugues de Thé, and Ali Bazarbachi
- 2793 Chemorepulsion by blood S1P regulates osteoclast precursor mobilization and bone remodeling in vivo  
Masaru Ishii, Junichi Kikuta, Yutaka Shimazu, Martin Meier-Schellersheim, and Ronald N. Germain
- 2799 Interleukin 1 receptor signaling regulates DUBA expression and facilitates Toll-like receptor 9–driven antiinflammatory cytokine production  
Jose M. González-Navajas, Jason Law, Kim Phung Nguyen, Meha Bhargava, Mary Patricia Corr, Nissi Varki, Lars Eckmann, Hal M. Hoffman, Jongdae Lee, and Eyal Raz
- 2809 Promoters, enhancers, and transcription target RAG1 binding during V(D)J recombination  
Yanhong Ji, Alicia J. Little, Joydeep K. Banerjee, Bingtao Hao, Eugene M. Oltz, Michael S. Krangel, and David G. Schatz

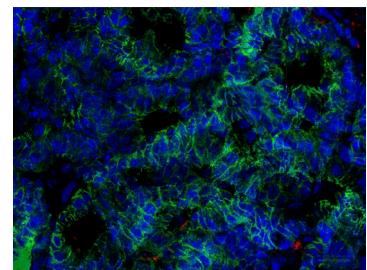
## Articles

- 2817 Transient activation of *c-MYC* expression is critical for efficient platelet generation from human induced pluripotent stem cells  
Naoya Takayama, Satoshi Nishimura, Sou Nakamura, Takafumi Shimizu, Ryoko Ohnishi, Hiroshi Endo, Tomoyuki Yamaguchi, Makoto Otsu, Ken Nishimura, Mahito Nakanishi, Akira Sawaguchi, Ryozo Nagai, Kazutoshi Takahashi, Shinya Yamanaka, Hiromitsu Nakuchi, and Koji Eto  
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- 2831 Erythropoietin protects against diabetes through direct effects on pancreatic  $\beta$  cells  
Diana Choi, Stephanie A. Schroer, Shun Yan Lu, Linyuan Wang, Xiaohong Wu, Yunfeng Liu, Yi Zhang, Herbert Y. Gaisano, Kay-Uwe Wagner, Hong Wu, Ravi Retnakaran, and Minna Woo
- 2843 Milk sialyllactose influences colitis in mice through selective intestinal bacterial colonization  
Andrea Fuhrer, Norbert Sprenger, Ekaterina Kurakevich, Lubor Borsig, Christophe Chassard, and Thierry Hennet

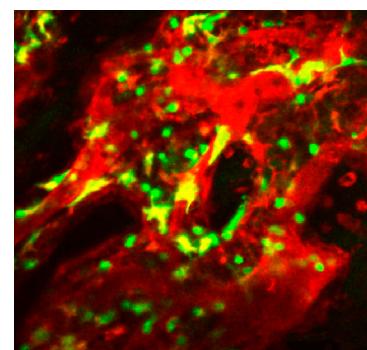
## ON THE COVER

In addition to generating functional human platelets from induced pluripotent stem cells, Takayama et al. demonstrate that optimal platelet production requires dynamic changes in *c-Myc* abundance during differentiation. Artwork by Rachel Urkowitz ([rachelurk@earthlink.net](mailto:rachelurk@earthlink.net)).  
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- 2855 VEGF receptor signaling links inflammation and tumorigenesis in colitis-associated cancer**  
 Maximilian J. Waldner, Stefan Wirtz, André Jefremow, Moritz Warntjen, Clemens Neufert, Raja Atreya, Christoph Becker, Benno Weigmann, Michael Vieth, Stefan Rose-John, and Markus F. Neurath
- 2869 Preferential infection and depletion of *Mycobacterium tuberculosis*-specific CD4 T cells after HIV-1 infection**  
 Christof Geldmacher, Njabulo Ngwenyama, Alexandra Schuetz, Constantinos Petrovas, Klaus Reither, Edwin J. Heeregrave, Joseph P. Casazza, David R. Ambrozak, Mark Louder, William Ampofo, Georgios Pollakis, Brenna Hill, Erica Sanga, Elmar Saathoff, Leonard Maboko, Mario Roederer, William A. Paxton, Michael Hoelscher, and Richard A. Koup
- 2883 A peripheral CD4<sup>+</sup> T cell precursor for naive, memory, and regulatory T cells**  
 Chunfang Zhao and Joanna D. Davies
- 2895 IL-27 supports germinal center function by enhancing IL-21 production and the function of T follicular helper cells**  
 Marcel Batten, Nandhini Ramamoorthi, Noelyn M. Kljavin, Cindy S. Ma, Jennifer H. Cox, Hart S. Dengler, Dmitry M. Danilenko, Patrick Caplazi, Melanie Wong, David A. Fulcher, Matthew C. Cook, Cecile King, Stuart G. Tangye, Frederic J. de Sauvage, and Nico Ghilardi
- 2907 Conserved natural IgM antibodies mediate innate and adaptive immunity against the opportunistic fungus *Pneumocystis murina***  
 Rekha R. Rapaka, David M. Ricks, John F. Alcorn, Kong Chen, Shabaana A. Khader, Mingquan Zheng, Scott Plevy, Eva Bengtén, and Jay K. Kolls
- 2921 Plasmacytoid dendritic cells sense skin injury and promote wound healing through type I interferons**  
 Josh Gregorio, Stephan Meller, Curdin Conrad, Anna Di Nardo, Bernhard Homey, Antti Lauferma, Naoko Arai, Richard L. Gallo, John DiGiovanni, and Michel Gilliet
- 2931 Autoimmune skin inflammation is dependent on plasmacytoid dendritic cell activation by nucleic acids via TLR7 and TLR9**  
 Cristiana Guiducci, Claudio Tripodo, Mei Gong, Sabina Sangaletti, Mario P. Colombo, Robert L. Coffman, and Franck J. Barrat
- 2943 Plexin-A4–semaphorin 3A signaling is required for Toll-like receptor- and sepsis-induced cytokine storm**  
 Haitao Wen, Yu Lei, So-Young Eun, and Jenny P.-Y. Ting
- 2959 MCP-induced protein 1 deubiquitinates TRAF proteins and negatively regulates JNK and NF-κB signaling**  
 Jian Liang, Yasser Saad, Tianhua Lei, Jing Wang, Dongfei Qi, Qinglin Yang, Pappachan E. Kolattukudy, and Mingui Fu
- 2975 Differential regulation of human and murine P-selectin expression and function in vivo**  
 Zhenghui Liu, Jonathan J. Miner, Tadayuki Yago, Longbiao Yao, Florea Lupu, Lijun Xia, and Rodger P. McEver



VEGFR links inflammation and tumorigenesis.  
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S1P chemorepulsion of osteoclasts in vivo.  
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