

EDITORIAL

- 1725 **JEM Editorial Board: Expanding on the basis of cancer**
Carl F. Nathan, Michel C. Nussenzweig, and Teodoro Pulvirenti

INSIGHTS

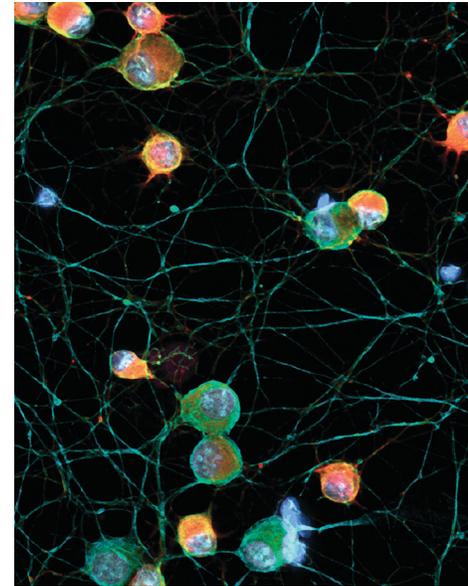
- 1726 **Plastic fantastic innate lymphoid cells**
Lewis L. Lanier
- 1728 **No IL-18BP? Avoid HAV**
Michael S. Diamond
- 1730 **Endothelial life discontinues without Erk**
Yihai Cao

BRIEF DEFINITIVE REPORT

- 1733 **CXCR4 regulates *Plasmodium* development in mouse and human hepatocytes**
Hironori Bando, Ariel Pradipta, Shiroh Iwanaga, Toru Okamoto, Daisuke Okuzaki, Shun Tanaka, Joel Vega-Rodríguez, Youngae Lee, Ji Su Ma, Naoya Sakaguchi, Akira Soga, Shinya Fukumoto, Miwa Sasai, Yoshiharu Matsuura, Masao Yuda, Marcelo Jacobs-Lorena, and Masahiro Yamamoto

ARTICLES

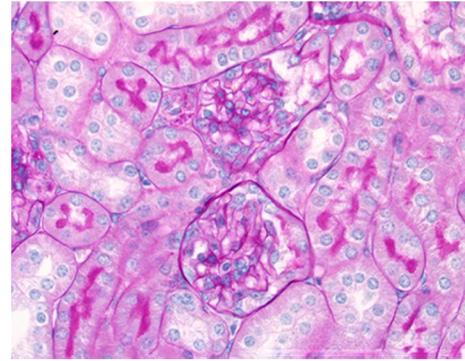
- 1749 **E-protein-regulated expression of CXCR4 adheres preselection thymocytes to the thymic cortex**
Tejas Kadakia, Xuguang Tai, Michael Kruhlak, Jan Wisniewski, Il-Young Hwang, Sumedha Roy, Terry I. Guinter, Amala Alag, John H. Kehrl, Yuan Zhuang, and Alfred Singer
- 1762 **KLRG1 and NKp46 discriminate subpopulations of human CD117⁺CRTH2⁻ ILCs biased toward ILC2 or ILC3**
Maho Nagasawa, Balthasar A. Heesters, Chantal M.A. Kradolfer, Lisette Krabbendam, Itziar Martinez-Gonzalez, Marjolein J.W. de Bruijn, Korneliusz Golebski, Rudi W. Hendriks, Ralph Stadhouders, Hergen Spits, and Suzanne M. Bal
- 1777 **Inherited IL-18BP deficiency in human fulminant viral hepatitis**
Serkan Belkaya, Eleftherios Michailidis, Cecilia B. Korol, Mohammad Kabbani, Aurélie Cobat, Paul Bastard, Yoon Seung Lee, Nicholas Hernandez, Scott Drutman, Ype P. de Jong, Eric Vivier, Julie Bruneau, Vivien Béziat, Bertrand Boisson, Lazaro Lorenzo-Diaz, Soraya Boucherit, Mylène Sebah, Emmanuel Jacquemin, Jean-François Emile, Laurent Abel, Charles M. Rice, Emmanuelle Jouanguy, and Jean-Laurent Casanova
- 1791 **IL-27 promotes the expansion of self-renewing CD8⁺ T cells in persistent viral infection**
Zhe Huang, Jaroslav Zak, Isaraphorn Pratumchai, Namir Shaabani, Vincent F. Vartabedian, Nhan Nguyen, Tuoqi Wu, Changchun Xiao, and John R. Teijaro
- 1809 **The complex of MCMV proteins and MHC class I evades NK cell control and drives the evolution of virus-specific activating Ly49 receptors**
Jelena Železnjak, Vanda Juranić Lisnić, Branka Popović, Berislav Lisnić, Marina Babić, Anne Halenius, Anne L'Hernault, Tihana Lenac Roviš, Hartmut Hengel, Florian Erhard, Alec J. Redwood, Silvia M. Vidal, Lars Dölken, Astrid Krmpotić, and Stipan Jonjić



ON THE COVER

Bersellini Farinotti et al. reveal a new pain mechanism generated by rheumatoid arthritis-associated autoantibodies that is dependent on immune complex formation and activation of neuronal FcγRI. The cover shows expression of FcγRI and FcγRIIb in the neurons from a wild-type dorsal root ganglion. The image was taken from the original manuscript and modified by the JEM editorial office. See page 1904.

- 1828 **Mg²⁺ regulation of kinase signaling and immune function**
Chryssa Kanellopoulou, Alex B. George, Evan Masutani, Jennifer L. Cannons, Juan C. Ravell, Tori N. Yamamoto, Margery G. Smelkinson, Ping Du Jiang, Mami Matsuda-Lennikov, Julie Reilley, Robin Handon, Ping-Hsien Lee, J. Richard Miller, Nicholas P. Restifo, Lixin Zheng, Pamela L. Schwartzberg, Matthew Young, and Michael J. Lenardo
- 1843 **Regulatory roles of IL-10-producing human follicular T cells**
Pablo F. Cañete, Rebecca A. Sweet, Paula Gonzalez-Figueroa, Ilenia Papa, Naganari Ohkura, Holly Bolton, Jonathan A. Roco, Marta Cuenca, Katharine J. Bassett, Ismail Sayin, Emma Barry, Angel Lopez, David H. Canaday, Michael Meyer-Hermann, Claudio Doglioni, Barbara Fazekas de St Groth, Shimon Sakaguchi, Matthew C. Cook, and Carola G. Vinuesa
- 1857 **The adjuvant GLA-SE promotes human Tfh cell expansion and emergence of public TCRβ clonotypes**
Danika L. Hill, Wim Pierson, Daniel J. Bolland, Catherine Mkindi, Edward J. Carr, Jiong Wang, Sophie Houard, Steven W. Wingett, Regine Audran, Elizabeth F. Wallin, Said A. Jongo, Kassim Kamaka, Martin Zand, Francois Spertini, Claudia Daubenberg, Anne E. Corcoran, and Michelle A. Linterman
- 1874 **Endothelial ERK1/2 signaling maintains integrity of the quiescent endothelium**
Nicolas Ricard, Rizaldy P. Scott, Carmen J. Booth, Heino Velazquez, Nicholas A. Cilfone, Javier L. Baylon, Jeffrey R. Gulcher, Susan E. Quaggin, Thomas W. Chittenden, and Michael Simons
- 1891 **The intracellular domain of CX3CL1 regulates adult neurogenesis and Alzheimer's amyloid pathology**
Qingyuan Fan, Manoshi Gayen, Neeraj Singh, Fan Gao, Wanxia He, Xiangyou Hu, Li-Huei Tsai, and Riqiang Yan
- 1904 **Cartilage-binding antibodies induce pain through immune complex-mediated activation of neurons**
Alex Bersellini Farinotti, Gustaf Wigerblad, Diana Nascimento, Duygu B. Bas, Carlos Morado Urbina, Kuttu Selva Nandakumar, Katalin Sandor, Bingze Xu, Sally Abdelmoaty, Matthew A. Hunt, Kristina Ängeby Möller, Azar Baharpoor, Jon Sinclair, Kent Jardemark, Johanna T. Lanner, Ia Khmaladze, Lars E. Borm, Lu Zhang, Fredrik Wermeling, Mark S. Cragg, Johan Lengqvist, Anne-Julie Chabot-Doré, Luda Diatchenko, Inna Belfer, Mattias Collin, Kim Kultima, Birgitta Heyman, Juan Miguel Jimenez-Andrade, Simone Codeluppi, Rikard Holmdahl, and Camilla I. Svensson
- 1925 **C3- and CR3-dependent microglial clearance protects photoreceptors in retinitis pigmentosa**
Sean M. Silverman, Wenxin Ma, Xu Wang, Lian Zhao, and Wai T. Wong
- 1944 **Krüppel-like factor 3 inhibition by mutated lncRNA *Reg1cp* results in human high bone mass syndrome**
Mi Yang, Qi Guo, Hui Peng, Yu-Zhong Xiao, Ye Xiao, Yan Huang, Chang-Jun Li, Tian Su, Yun-Lin Zhang, Min-Xiang Lei, Hui-Ling Chen, Tie-Jian Jiang, and Xiang-Hang Luo
- CORRECTION**
- 1965 **Correction: CCR7 provides localized access to IL-2 and defines homeostatically distinct regulatory T cell subsets**
Kate S. Smigiel, Elizabeth Richards, Shivani Srivastava, Kerri R. Thomas, Jan C. Dudda, Kimberly D. Klonowski, and Daniel J. Campbell



Endothelial ERK1/2 in quiescent endothelia. See page 1874.