

INSIGHTS

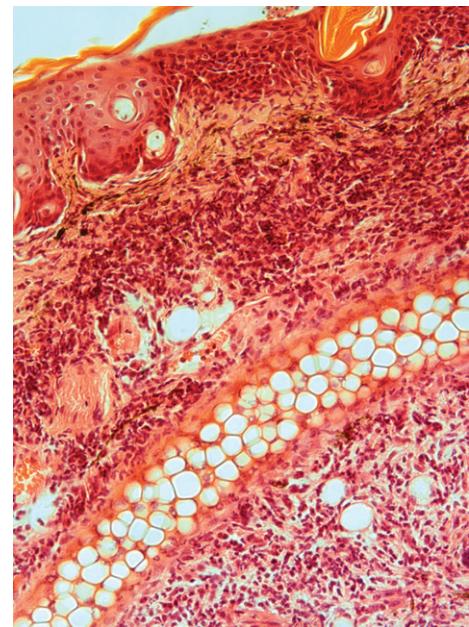
- 1965 **IgA—about the unexpected**
Andrew J. Macpherson and Stephanie C. Ganal-Vonarburg
- 1967 **Eosinophils can more than kill**
Claudia Berek
- 1971 **Ca²⁺apulting HSCs into action**
Amelie V. Guitart, Andrew J. Finch, and Kamil R. Kranc

BRIEF DEFINITIVE REPORTS

- 1975 **Impact of immunopathology on the antituberculous activity of pyrazinamide**
Landry Blanc, Jansy Passiflora Sarathy, Nadine Alvarez Cabrera, Paul O'Brien, Isabela Dias-Freedman, Marizel Mina, James Sacchettini, Radojka M. Savic, Martin Gengenbacher, Brendan K. Podell, Brendan Prideaux, Thomas Ioerger, Thomas Dick, and Véronique Dartois
- 1987 **Foxp3⁺ T reg cells control psoriasisiform inflammation by restraining an IFN- γ -driven CD8⁺ T cell response**
Krista Stockenhuber, Ahmed N. Hegazy, Nathaniel R. West, Nicholas E. Ilott, Alexander Stockenhuber, Samuel J. Bullers, Emily E. Thornton, Isabelle C. Arnold, Andrea Tucci, Herman Waldmann, Graham S. Ogg, and Fiona Powrie

ARTICLES

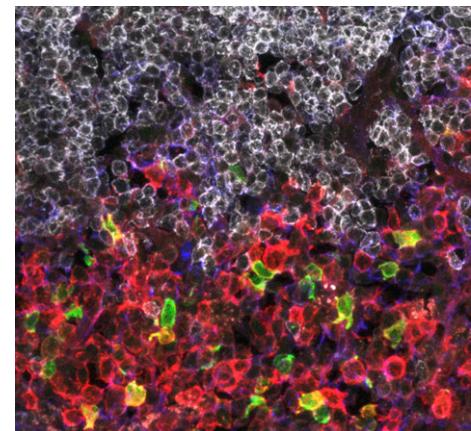
- 1999 **CRL4^{DCAF2} negatively regulates IL-23 production in dendritic cells and limits the development of psoriasis**
Tao Huang, Zhengjun Gao, Yu Zhang, Keqi Fan, Fei Wang, Yiyuan Li, Jiangyan Zhong, Heng Y. Fan, Qian Cao, Jiyong Zhou, Yichuan Xiao, Hongbo Hu, and Jin Jin
- 2019 **IgA regulates the composition and metabolic function of gut microbiota by promoting symbiosis between bacteria**
Akira Nakajima, Alexis Vogelzang, Mikako Maruya, Michio Miyajima, Megumi Murata, Aoi Son, Tomomi Kuwahara, Tatsuaki Tsuruyama, Satoshi Yamada, Minoru Matsuura, Hiroshi Nakase, Daniel A. Peterson, Sidonia Fagarasan, and Keiichiro Suzuki
- 2035 **A splenic IgM memory subset with antibacterial specificities is sustained from persistent mucosal responses**
Simon Le Gallou, Zhicheng Zhou, Lan-Huong Thai, Remi Fritzen, Alba Verge de los Aires, Jérôme Mégret, Philipp Yu, Daisuke Kitamura, Emmanuelle Bille, Fabiola Tros, Xavier Nassif, Alain Charbit, Sandra Weller, Jean-Claude Weill, and Claude-Agnès Reynaud
- 2055 **Eosinophils suppress Th1 responses and restrict bacterially induced gastrointestinal inflammation**
Isabelle C. Arnold, Mariela Artola-Borán, Paulino Tallón de Lara, Andreas Kyburz, Christian Taube, Karen Ottemann, Maries van den Broek, Shida Yousefi, Hans-Uwe Simon, and Anne Müller



ON THE COVER

Stockenhuber et al. demonstrate that Foxp3⁺ regulatory T cells control psoriasisiform skin inflammation by restraining a type 1 interferon-driven CD8⁺ T cell response. The cover is representative H&E staining of ear tissue cross sections. The image was taken from the original manuscript and modified by the JEM editorial office. See page 1987.

- 2073 **Germline-activating mutations in PIK3CD compromise B cell development and function**
Danielle T. Avery, Alisa Kane, Tina Nguyen, Anthony Lau, Akira Nguyen, Helen Lenthal, Kathryn Payne, Wei Shi, Henry Brigden, Elise French, Julia Bier, Jana R. Hermes, David Zahra, William A. Sewell, Danyal Butt, Michael Elliott, Kaan Boztug, Isabelle Meyts, Sharon Choo, Peter Hsu, Melanie Wong, Lucinda J. Berglund, Paul Gray, Michael O'Sullivan, Theresa Cole, Steven M. Holland, Cindy S. Ma, Christoph Burkhardt, Lynn M. Corcoran, Tri Giang Phan, Robert Brink, Gulbu Uzel, Elissa K. Deenick, and Stuart G. Tangye
- 2097 **Ca²⁺-mitochondria axis drives cell division in hematopoietic stem cells**
Terumasa Umemoto, Michihiro Hashimoto, Takayoshi Matsumura, Ayako Nakamura-Ishizu, and Toshio Suda
- 2115 **miR-196b target screen reveals mechanisms maintaining leukemia stemness with therapeutic potential**
Sara E. Meyer, David E. Muench, Andrew M. Rogers, Tess J. Newkold, Emily Orr, Eric O'Brien, John P. Perentesis, John G. Doench, Ashish Lal, Patrick J. Morris, Craig J. Thomas, Judy Lieberman, Edwina McGlinn, Bruce J. Aronow, Nathan Salomonis, and H. Leighton Grimes
- 2137 **Genome-scale CRISPR-Cas9 screen identifies druggable dependencies in TP53 wild-type Ewing sarcoma**
Björn Stolte, Amanda Balboni Iniguez, Neekesh V. Dharia, Amanda L. Robichaud, Amy Saur Conway, Ann M. Morgan, Gabriela Alexe, Nathan J. Schauer, Xiaoxi Liu, Gregory H. Bird, Aviad Tsherniak, Francisca Vazquez, Sara J. Buhrlage, Loren D. Walensky, and Kimberly Stegmaier
- 2157 **ICAM-1 controls development and function of ILC2**
Ai-Hua Lei, Qiang Xiao, Gao-Yu Liu, Kun Shi, Qiong Yang, Xing Li, Yu-Feng Liu, Hai-Kun Wang, Wei-Ping Cai, Yu-Juan Guan, Dmitry I. Gabrilovich, and Jie Zhou
- 2175 **Inhibition of CRTH2-mediated Th2 activation attenuates pulmonary hypertension in mice**
Guilin Chen, Shengkai Zuo, Juan Tang, Caojian Zuo, Daile Jia, Qian Liu, Guizhu Liu, Qian Zhu, Yuanyang Wang, Jian Zhang, Yujun Shen, Dongrui Chen, Ping Yuan, Zhiqiang Qin, Chengchao Ruan, Jue Ye, Xiao-Jian Wang, Yuping Zhou, Pingjin Gao, Peng Zhang, Jimming Liu, Zhi-Cheng Jing, Ankang Lu, and Ying Yu
- 2197 **NQO1 inhibits the TLR-dependent production of selective cytokines by promoting IκB-ζ degradation**
Akihiro Kimura, Masayuki Kitajima, Kyoko Nishida, Satoshi Serada, Minoru Fujimoto, Tetsuji Naka, Yoshiaki Fujii-Kuriyama, Satoshi Sakamoto, Takumi Ito, Hiroshi Handa, Takashi Tanaka, Akihiko Yoshimura, and Harumi Suzuki
- 2211 **Tle corepressors are differentially partitioned to instruct CD8⁺ T cell lineage choice and identity**
Shaojun Xing, Peng Shao, Fengyin Li, Xudong Zhao, Wooseok Seo, Justin C. Wheat, Selvi Ramasamy, Jianfeng Wang, Xiang Li, Weiqun Peng, Shuyang Yu, Chengyu Liu, Ichiro Taniuchi, David A. Sweetser, and Hai-Hui Xue
- CORRECTION**
- 2227 **Correction: SHP-1 regulates hematopoietic stem cell quiescence by coordinating TGF-β signaling**
Linjia Jiang, Xue Han, Jin Wang, Chen Wang, Xiaoqiang Sun, Jiayi Xie, Guojin Wu, Hiep Phan, Zhenguo Liu, ChengCheng Zhang, Meng Zhao, and Xunlei Kang



A spontaneous IgM memory subset in the mouse. See page 2035.