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- 2309 Masking MALT1: the paracaspase's potential for cancer therapy  
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- 2313 Inhibition of MALT1 protease activity is selectively toxic for activated B cell-like diffuse large B cell lymphoma cells  
Uta Ferch, Bernhard Kloo, Andreas Gewies, Vera Pfänder, Michael Düwel, Christian Peschel, Daniel Krappmann, and Jürgen Ruland  
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- 2321 Variants of CTGF are associated with hepatic fibrosis in Chinese, Sudanese, and Brazilians infected with Schistosomes  
Alain Dessein, Christophe Chevillard, Violaine Arnaud, Xunya Hou, Anas Ahmed Hamdoun, Helia Dessein, Hongbin He, Suzan A. Abdelmaboud, Xinsong Luo, Jun Li, Arthur Varoquaux, Adil Mergani, Mohammed Abdelwahed, Jie Zhou, Ahmed Monis, Maira G.R. Pitta, Nagla Gasmelseed, Sandrine Cabantous, Yaqing Zhao, Aluizio Prata, Carlos Brandt, Nasr Eldin Elwali, Laurent Argiro, and Yuesheng Li  
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- 2329 Runx proteins regulate Foxp3 expression  
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- 2339 Dendritic cells are crucial for maintenance of tertiary lymphoid structures in the lung of influenza virus-infected mice  
Corine H. GeurtsvanKessel, Monique A.M. Willart, Ingrid M. Bergen, Leonie S. van Rijt, Femke Muskens, Dirk Elewaut, Albert D.M.E. Osterhaus, Rudi Hendriks, Guus F. Rimmelzwaan, and Bart N. Lambrecht

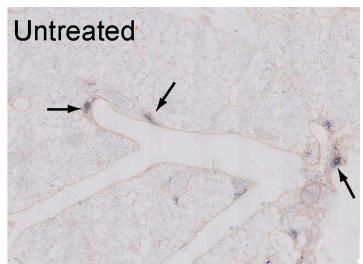
## ON THE COVER

Mast cells communicate over long distances by sending lymph node-bound signals in insoluble particles (blue). Related article by Kunder et al.

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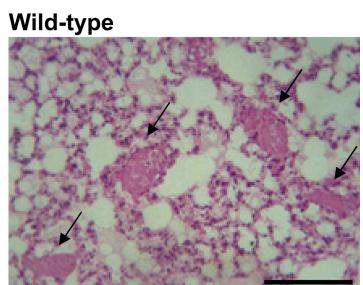
## ARTICLES

- 2351 Id2-, ROR $\gamma$ t-, and LT $\beta$ R-independent initiation of lymphoid organogenesis in ocular immunity  
Takahiro Nagatake, Satoshi Fukuyama, Dong-Young Kim, Kaoru Goda, Osamu Igarashi, Shintaro Sato, Tomonori Nohi, Hiroshi Sagara, Yoshifumi Yokota, Anton M. Jetten, Tsuneyasu Kaisho, Shizuo Akira, Hitomi Mimuro, Chihiro Sasakawa, Yoshinori Fukui, Kohtaro Fujihashi, Taishin Akiyama, Jun-ichiro Inoue, Josef M. Penninger, Jun Kunisawa, and Hiroshi Kiyono
- 2365 Loss of matrix metalloproteinase 2 in platelets reduces arterial thrombosis in vivo  
Stefania Momi, Emanuela Falcinelli, Silvia Giannini, Loredana Ruggeri, Luca Cecchetti, Teresa Corazzi, Claude Libert, and Paolo Gresele
- 2381 Ir-CPI, a coagulation contact phase inhibitor from the tick *Ixodes ricinus*, inhibits thrombus formation without impairing hemostasis  
Yves Decrem, Géraldine Rath, Virginie Blasioli, Philippe Cauchie, Séverine Robert, Jérôme Beaufays, Jean-Marie Frère, Olivier Feron, Jean-Michel Dogné, Chantal Dessy, Luc Vanhamme, and Edmond Godfroid
- 2397 Dependence of proliferative vascular smooth muscle cells on CD98hc (4F2hc, *SLC3A2*)  
Per Fogelstrand, Chloé C. Féral, Ramin Zargham, and Mark H. Ginsberg
- 2407 Transforming growth factor  $\beta$  is dispensable for the molecular orchestration of Th17 cell differentiation  
Jyoti Das, Guangwen Ren, Liying Zhang, Arthur I. Roberts, Xin Zhao, Alfred L.M. Bothwell, Luc Van Kaer, Yufang Shi, and Gobardhan Das  
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- 2417 *Staphylococcus aureus* synthesizes adenosine to escape host immune responses  
Vilasack Thammavongsa, Justin W. Kern, Dominique M. Missiakas, and Olaf Schneewind  
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- 2429 Subtilase cytotoxin cleaves newly synthesized BiP and blocks antibody secretion in B lymphocytes  
Chih-Chi Andrew Hu, Stephanie K. Dougan, Sebastian Virreira Winter, Adrienne W. Paton, James C. Paton, and Hidde L. Ploegh
- 2441 Phosphoinositide-dependent kinase 1 controls migration and malignant transformation but not cell growth and proliferation in PTEN-null lymphocytes  
David K. Finlay, Linda V. Sinclair, Carmen Feijoo, Caryll M. Waugh, Thijs J. Hagenbeek, Hergen Spits, and Doreen A. Cantrell
- 2455 Mast cell-derived particles deliver peripheral signals to remote lymph nodes  
Christian A. Kunder, Ashley L. St. John, Guojie Li, Kam W. Leong, Brent Berwin, Herman F. Staats, and Soman N. Abraham  
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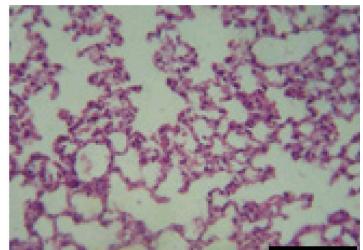


The maintenance of tertiary lymphoid organs (arrows) after influenza virus infection requires CD11c $^+$  dendritic cells.

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*Wild-type*

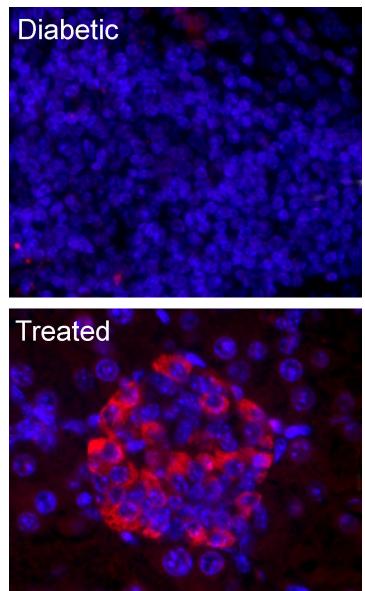


Platelet-rich thrombi (arrows) fail to form in MMP-2-deficient mice.  
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- 2469** T-bet-dependent S1P<sub>5</sub> expression in NK cells promotes egress from lymph nodes and bone marrow  
Craig N. Jenne, Anselm Enders, Richard Rivera, Susan R. Watson, Alexander J. Bankovich, Joao P. Pereira, Ying Xu, Carla M. Roots, Joshua N. Beilke, Arnob Banerjee, Steven L. Reiner, Sara A. Miller, Amy S. Weinmann, Chris C. Goodnow, Lewis L. Lanier, Jason G. Cyster, and Jerold Chun
- 2483** Prospective identification, isolation, and systemic transplantation of multipotent mesenchymal stem cells in murine bone marrow  
Satoru Morikawa, Yo Mabuchi, Yoshiaki Kubota, Yasuo Nagai, Kunimichi Niibe, Emi Hiratsu, Sadafumi Suzuki, Chikako Miyauchi-Hara, Narihito Nagoshi, Takehiko Sunabori, Shigeto Shimmura, Atsushi Miyawaki, Taneaki Nakagawa, Toshio Suda, Hideyuki Okano, and Yumi Matsuzaki
- 2497** CD1-restricted adaptive immune responses to *Mycobacteria* in human group 1 CD1 transgenic mice  
Kyrie Felio, Hanh Nguyen, Christopher C. Dascher, Hak-Jong Choi, Sha Li, Michael I. Zimmer, Angela Colmone, D. Branch Moody, Michael B. Brenner, and Chyung-Ru Wang
- 2511** Therapy of experimental type 1 diabetes by isolated Sertoli cell xenografts alone  
Francesca Fallarino, Giovanni Luca, Mario Calvitti, Francesca Mancuso, Claudio Nastruzzi, Maria C. Fioretti, Ursula Grohmann, Ennio Bechetti, Anne Burgevin, Roland Kratzer, Peter van Endert, Louis Boon, Paolo Puccetti, and Riccardo Calafiore
- 2527** A hypomorphic allele of ZAP-70 reveals a distinct thymic threshold for autoimmune disease versus autoimmune reactivity  
Lih-Yun Hsu, Ying Xim Tan, Zheng Xiao, Marie Malissen, and Arthur Weiss
- 2543** Leukotriene E<sub>4</sub>-induced pulmonary inflammation is mediated by the P2Y<sub>12</sub> receptor  
Sailaja Paruchuri, Hiroyuki Tashimo, Chunli Feng, Akiko Maekawa, Wei Xing, Yongfeng Jiang, Yoshihide Kanaoka, Pamela Conley, and Joshua A. Boyce
- 2557** KIR2DS4 is a product of gene conversion with KIR3DL2 that introduced specificity for HLA-A\*11 while diminishing avidity for HLA-C  
Thorsten Graef, Achim K. Moesta, Paul J. Norman, Laurent Abi-Rached, Luca Vago, Anastazia M. Older Aguilar, Michael Gleimer, John A. Hammond, Lisbeth A. Guethlein, David A. Bushnell, Philip J. Robinson, and Peter Parham

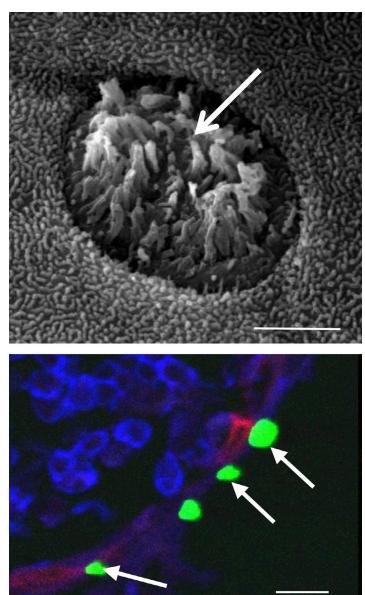
## RETRACTION

- 2573** Native and aspirin-triggered lipoxins control innate immunity by inducing proteasomal degradation of TRAF6  
Fabiana S. Machado, Lísia Esper, Alexandra Dias, Rajat Madan, YuanYuan Gu, David Hildeman, Charles N. Serhan, Christopher L. Karp, and Júlio Aliberti



Sertoli cell xenografts restore insulin (red) production by islets in NOD mice and prevent or reverse their diabetes.

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Tear duct-associated lymphoid tissue contains M cells (top, arrow; bottom, red), which are responsible for ocular antigen uptake (bottom, arrows).

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