

Review

- 1937 Historical observations contributing insights on etiopathogenesis of rheumatoid arthritis and role of rheumatoid factor
Eng M. Tan and Josef S. Smolen

Brief Definitive Reports

- 1951 MHC II⁺ resident peritoneal and pleural macrophages rely on IRF4 for development from circulating monocytes
Ki-Wook Kim, Jesse W. Williams, Ya-Ting Wang, Stoyan Ivanov, Susan Gilfillan, Marco Colonna, Herbert W. Virgin, Emmanuel L. Gautier, and Gwendalyn J. Randolph

- 1961 Extracellular matrix protein Matrilin-4 regulates stress-induced HSC proliferation via CXCR4
Hannah Uckelmann, Sandra Blaszkiewicz, Claudia Nicolae, Simon Haas, Alexandra Schnell, Stephan Wurzer, Raimund Wagener, Attila Aszodi, and Marieke Alida Gertruda Essers

- 1973 NKT sublineage specification and survival requires the ubiquitin-modifying enzyme TNFAIP3/A20
Michael B. Drennan, Srinath Govindarajan, Eveline Verheugen, Jonathan M. Coquet, Jens Staal, Conor McGuire, Tom Taghon, Georges Leclercq, Rudi Beyaert, Geert van Loo, Bart N. Lambrecht, and Dirk Elewaut

Articles

- 1983 GM-CSF primes cardiac inflammation in a mouse model of Kawasaki disease

Angus T. Stock, Jacinta A. Hansen, Matthew A. Sleeman, Brent S. McKenzie, and Ian P. Wicks

ON THE COVER

Stock et al. discover a role for GM-CSF as the primary activating cytokine of cardiac inflammation during Kawasaki disease. Image depicts the section of a healthy heart (left) and a heart with coronary arteritis (right). Artwork by Emilie Clark (Emilie@emilieclark.com).
See page 1983

- 1999 G-CSF maintains controlled neutrophil mobilization during acute inflammation by negatively regulating CXCR2 signaling

Besnik Bajrami, Haiyan Zhu, Hyun-Jeong Kwak, Subhanjan Mondal, Qingming Hou, Guangfeng Geng, Kutay Karatepe, Yu C. Zhang, César Nombela-Arrieta, Shin-Young Park, Fabien Loison, Jiro Sakai, Yuanfu Xu, Leslie E. Silberstein, and Hongbo R. Luo

- 2019 Notch activation drives adipocyte dedifferentiation and tumorigenic transformation in mice

Pengpeng Bi, Feng Yue, Anju Karki, Beatriz Castro, Sara E. Wirbisky, Chao Wang, Abigail Durkes, Bennett D. Elzey, Ourania M. Andrisani, Christopher A. Bidwell, Jennifer L. Freeman, Stephen F. Konieczny, and Shihuan Kuang

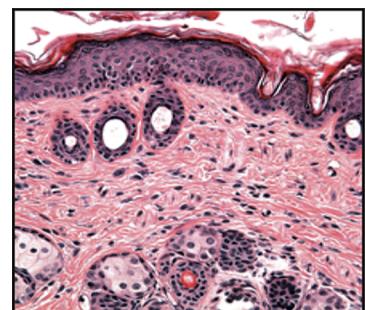
- 2039 RAG-induced DNA lesions activate proapoptotic BIM to suppress lymphomagenesis in p53-deficient mice

Alex R.D. Delbridge, Swee Heng Milon Pang, Cassandra J. Vandenberg, Stephanie Grabow, Brandon J. Aubrey, Lin Tai, Marco J. Herold, and Andreas Strasser

- 2049** Balance between transmitted HLA preadapted and nonassociated polymorphisms is a major determinant of HIV-1 disease progression
Daniela C. Mónaco, Dario A. Dilernia, Andrew Fiore-Gartland, Tianwei Yu, Jessica L. Prince, Kristine K. Dennis, Kai Qin, Malinda Schaefer, Daniel T. Claiborne, William Kilembe, Jianming Tang, Matt A. Price, Paul Farmer, Jill Gilmour, Anju Bansal, Susan Allen, Paul Goepfert, and Eric Hunter
- 2065** Epstein-Barr viral miRNAs inhibit antiviral CD4⁺ T cell responses targeting IL-12 and peptide processing
Takanobu Tagawa, Manuel Albanese, Mickaël Bouvet, Andreas Moosmann, Josef Mautner, Vigo Heissmeyer, Christina Zielinski, Dominik Lutter, Jonathan Hoser, Maximilian Hastreiter, Mitch Hayes, Bill Sugden, and Wolfgang Hammerschmidt
- 2081** Cathepsin B modulates lysosomal biogenesis and host defense against *Francisella novicida* infection
Xiaopeng Qi, Si Ming Man, R.K. Subbarao Malireddi, Rajendra Karki, Christopher Lupfer, Prajwal Gurung, Geoffrey Neale, Clifford S. Guy, Mohamed Lamkanfi, and Thirumala-Devi Kanneganti
- 2099** Identification of GAPDH on the surface of *Plasmodium* sporozoites as a new candidate for targeting malaria liver invasion
Sung-Jae Cha, Min-Sik Kim, Akhilesh Pandey, and Marcelo Jacobs-Lorena
- 2113** Pyroptosis triggers pore-induced intracellular traps (PITs) that capture bacteria and lead to their clearance by efferocytosis
Ine Jorgensen, Yue Zhang, Bryan A. Krantz, and Edward A. Miao
- 2129** Microbial antigen mimics activate diabetogenic CD8 T cells in NOD mice
Ningwen Tai, Jian Peng, Fuqiang Liu, Elke Gulden, Youjia Hu, Xiaojun Zhang, Li Chen, F. Susan Wong, and Li Wen
- 2147** IL-23 induced in keratinocytes by endogenous TLR4 ligands polarizes dendritic cells to drive IL-22 responses to skin immunization
Juhan Yoon, Juan Manuel Leyva-Castillo, Guoxing Wang, Claire Galand, Michiko K. Oyoshi, Lalit Kumar, Sabine Hoff, Rui He, Alexander Chervonsky, Joost J. Oppenheim, Vijay K. Kuchroo, Marcel R.M. van den Brink, Rene De Waal Malefyt, Philippe A. Tessier, Robert Fuhlbrigge, Philip Rosenstiel, Cox Terhorst, George Murphy, and Raif S. Geha
- 2167** The soluble pattern recognition receptor PTX3 links humoral innate and adaptive immune responses by helping marginal zone B cells
Alejo Chorny, Sandra Casas-Recasens, Jordi Sintes, Meimei Shan, Nadia Polentarutti, Ramón García-Escudero, A. Cooper Walland, John R. Yeiser, Linda Cassis, Jorge Carrillo, Irene Puga, Cristina Cunha, Hélder Bastos, Fernando Rodrigues, João F. Lacerda, António Morais, Rebeca Dieguez-Gonzalez, Peter S. Heeger, Giovanni Salvatori, Agostinho Carvalho, Adolfo Garcia-Sastre, J. Magarian Blander, Alberto Mantovani, Cecilia Garlanda, and Andrea Cerutti



Pore-induced intracellular traps
[See page 2113](#)



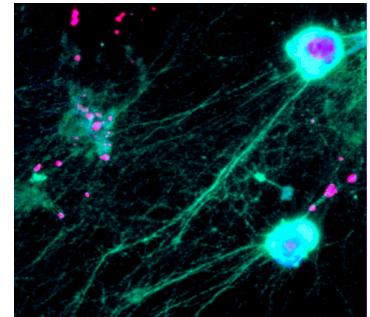
TLR4/IL-23 axis in type 22 responses in the skin
[See page 2147](#)

- 2187 Deletion of *Slam* locus in mice reveals inhibitory role of SLAM family in NK cell responses regulated by cytokines and LFA-1
Huaijian Guo, Stacey A. Cranert, Yan Lu, Ming-Chao Zhong, Shaohua Zhang, Jun Chen, Rui Li, Sarah E. Mahl, Ning Wu, Dominique Davidson, Stephen N. Waggoner, and André Veillette

- 2209 PKA regulatory II α subunit is essential for PGD₂-mediated resolution of inflammation
Deping Kong, Yujun Shen, Guizhu Liu, Shengkai Zuo, Yong Ji, Ankang Lu, Masataka Nakamura, Michael Lazarus, Constantine A. Stratakis, Richard M. Breyer, and Ying Yu

Correction

- 2227 Correction: Deletion of *Slam* locus in mice reveals inhibitory role of SLAM family in NK cell responses regulated by cytokines and LFA-1
Huaijian Guo, Stacey A. Cranert, Yan Lu, Ming-Chao Zhong, Shaohua Zhang, Jun Chen, Rui Li, Sarah E. Mahl, Ning Wu, Dominique Davidson, Stephen N. Waggoner, and André Veillette



PTX3 enhances marginal zone B cell responses
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