This information is current as of April 14, 2017.
IN THIS ISSUE

4593 Losing Syk Sickens B Cells See article p. 4650
CD28 Signals Sustain Plasma Cells See article p. 4717
Shocking Skin Cancer See article p. 4796
Managing Melioidosis See article p. 4814

BRIEF REVIEWS

4595 FcRn: The Architect Behind the Immune and Nonimmune Functions of IgG and Albumin
Michal Pyzik, Timo Rath, Wayne I. Lencer, Kristi Baker, and Richard S. Blumberg

4604 Cytokines in Graft-versus-Host Disease
Andrea S. Henden and Geoffrey R. Hill

CUTTING EDGE

4615 Cutting Edge: Differential Regulation of PTEN by TCR, Akt, and FoxO1 Controls CD4+ T Cell Fate Decisions
William F. Hawe, Robert P. Sheehan, Natasa Miskov-Zivanov, Ashley V. Menk, Lawrence P. Kane, James R. Faeder, and Penelope A. Morel

ALLERGY AND OTHER HYPERSENSITIVITIES

4621 Integrated Innate Mechanisms Involved in Airway Allergic Inflammation to the Serine Protease Subtilisin
Esther Florsheim, Shuang Yu, Ivan Brogatto, Lucas Faustino, Eliane Gomes, Rodrigo N. Ramos, José Alexandre M. Barbuto, Ruslan Medzhitov, and Momtchilo Russo

4631 Protective Role of STAT6 in Basophil-Dependent Prurigo-like Allergic Skin Inflammation
Takashi Hashimoto, Takahiro Satoh, and Hiroo Yokozeki

ANTIGEN RECOGNITION AND RESPONSES

4641 In Vitro and In Vivo Analysis of the Gram-Negative Bacteria–Derived Riboflavin Precursor Derivatives Activating Mouse MAIT Cells
Claire Soudais, Fatoumata Samassa, Manal Sarkis, Lionel Le Bourhis, Stéphanie Besoles, Didier Blanot, Mireille Hervé, Frédéric Schmidt, Dominique Mengin-Lecreulx, and Olivier Lantz

4650 Syk Tyrosine Kinase Is Critical for B Cell Antibody Responses and Memory B Cell Survival
Jochen A. Ackermann, Jsoquin Nys, Edina Schweighoffer, Scott McCleary, Nicholas Smithers, and Victor L. J. Tybulewicz

4657 Impaired NK Cell Responses to Pertussis and H1N1 Influenza Vaccine Antigens in Human Cytomegalovirus-Infected Individuals
Carolyn M. Nielsen, Matthew J. White, Christian Bottomley, Chiara Lusa, Ana Rodríguez-Galán, Scarlett E. G. Turner, Martin R. Goodier, and Eleanor M. Riley

AUTOIMMUNITY

4668 T Cell Cross-Reactivity between a Highly Immunogenic EBV Epitope and a Self-Peptide Naturally Presented by HLA-B*18:01* Cells
Melissa J. Rist, Kelly M. Hibbert, Nathan P. Croft, Corey Smith, Michelle A. Neller, Jacqueline M. Burrows, John J. Miles, Anthony W. Purcell, Jamie Rosjohn, Stephanie Gras, and Scott R. Burrows

4676 High-Density Lipoprotein Attenuates Th1 and Th17 Autoimmune Responses by Modulating Dendritic Cell Maturation and Function
Ioanna Tiniakou, Elias Drakos, Vaios Sinatkas, Miranda Van Eck, Vassili I. Zannis, Dimitrios Boumpas, Panayotis Verginis, and Dimitris Kardasis

CLINICAL AND HUMAN IMMUNOLOGY

4688 An NK Cell Population Lacking FcRγ Is Expanded in Chronically Infected HIV Patients
Jingling Zhou, Fatihah S. Amran, Marit Kramski, Tom A. Angelovich, Julian Elliott, Anna C. Hearps, Patricia Price, and Anthony Jaworowski

4698 Recycled IL-7 Can Be Delivered to Neighboring T Cells
Douglas A. Bazdar, Magdalena Kalinowoka, Soumya Panigrahi, and Scott F. Sieg

IMMUNE REGULATION

4705 Macrophage Epoxygenase Determines a Profibrotic Transcriptome Signature

4717 CD28 Promotes Plasma Cell Survival, Sustained Antibody Responses, and BLIMP-1 Uregulation through Its Distal PYAP Proline Motif

4729 Aminoacyl tRNA Synthetase–Interacting Multifunctional Protein 1 Acts as a Novel B Cell–Activating Factor In Vitro and In Vivo
Myun Soo Kim and Tae Sung Kim

4737 SCARB2/LIMP-2 Regulates IFN Production of Plasmacytoid Dendritic Cells by Mediating Endosomal Translocation of TLR9 and Nuclear Translocation of IRF7
Hao Guo, Jialong Zhang, Xuyuan Zhang, Yanbing Wang, Haisheng Yu, Xiangyun Yin, Jingyun Li, Peishuang Du, Joel Plumas, Laurence Chaperot, Jianzhu Chen, Lishan Su, Yongjun Liu, and Liguo Zhang

4750 The Rho GTPase Cdc42 Is Essential for the Activation and Function of Mature B Cells
Natalija Geratsimek, Carin I. M. Dahlberg, Marisa A. P. Baptista, Michel J. Massaad, Raif S. Geha, Lisa S. Westerberg, and Eva Severinson

4759 Tissue-Specific Regulation of p38α-Mediated Inflammation in Con A–Induced Acute Liver Damage
Young Jun Kang, Bo-Ram Bang, Motoyuki Otsuka, and Kinya Otsu
mTORC2 Deficiency in Myeloid Dendritic Cells Enhances Their Allogeneic Th1 and Th17 Stimulatory Ability after TLR4 Ligation In Vitro and In Vivo
Dalia Raích-Regué, Brian R. Rosborough, Alicia R. Watson, Mandy J. McGrechy, Heth R. Turnquist, and Angus W. Thomson

IL-33 Reverses an Obesity-Induced Deficit in Visceral Adipose Tissue ST2⁺ T Regulatory Cells and Ameliorates Adipose Tissue Inflammation and Insulin Resistance
Jonathan M. Han, Dan Wu, Heather C. Denroche, Yu Yao, C. Bruce Verchere, and Megan K. Levings

YOUNG, PROLIFERATIVE THYMIC EPITHELIAL CELLS ENGRAFT AND FUNCTION IN AGING THYMUSES
Mi-Jeong Kim, Christine M. Miller, Jennifer L. Shadrach, Amy J. Wagers, and Thomas Serwold

IN VIVO SUPPRESSION OF HEAT SHOCK PROTEIN (HSP)27 AND HSP70 ACCELERATES DMBA-INDUCED SKIN CARCINOGENESIS BY INDUCING ANTIGENIC UNRESPONSIVENESS TO THE INITIATING CARCINOGENIC CHEMICAL
Nabiba Yousuf, Tabheen H. Nasti, Israr Ahmad, Sanam Chowdhury, Hasan Mohiuddin, Hui Xu, Mohammad Athar, Laura Timares, and Craig A. Elmes

DEC205⁺ DENDRITIC CELL–TARGETED TOLEREGenic VACCINATION PROMOTES IMMUNE TOLERANCE IN EXPERIMENTAL AUTOIMMUNE ARTHRITIS
Rachel Spiering, Bran Margery, Chantal Keijzer, Cathleen Petzold, Aad Hoek, Jouët Wagenaar-Hilbers, Ruard van der Zee, Willem van Eden, Karsten Kretschmer, and Femke Broere

PATTERN RECOGNITION RECEPTOR–INITIATED INNATE ANTVIRAL RESPONSES IN MOUSE EPIDIDYMAL EPITHELIAL CELLS
Weiwei Zhu, Shutao Zhao, Zhenghui Liu, Lijing Cheng, Qing Wang, Keqin Yan, Quoyuan Chen, Han Wu, and Daishu Han

MF59 MEDIATES ITS B CELL ADJUVANTICITY BY PROMOTING T FOLLICULAR HELPER CELLS AND THUS GERMINAL CENTER RESPONSES IN ADULT AND EARLY LIFE

OBESITY INCREASES MORTALITY AND MODULATES THE LUNG METABOLOME DURING PANDEMIC H1N1 INFLUENZA VIRUS INFECTION IN MICE
J. Justin Milner, Jenny Rebeles, Suraj Dhungana, Delisha A. Stewart, Susan C. J. Sumner, Matthew H. Meyers, Peter Mancuso, and Melinda A. Beck

CHEMICAL ATTENUATION OF Plasmodium in the Liver MODULATES SEVERE MALARIA DISEASE PROGRESSION
Matthew D. Lewis, Jochen Behrends, Cláudia Sá e Cunha, António M. Mendes, FélixLASTICHEKA, Julia M. Satter, Kirsten Heiss, Taco W. A. Kooij, Miguel Prudencio, Gerhard Bringmann, Friedrich Frischknecht, and Ann-Kristin Mueller

IL-33 ENHANCES HOST TOLERANCE TO Candida albicans Kidney Infections through Induction of IL-13 Production by CD4⁺ T CELLS
Vuvi G. Tran, Hye J. Kim, Jayang Kim, Sang W. Kang, U J. Moon, Hong R. Cho, and Byungsuk Kwon

MAVS PROMOTES INFLAMMASOME ACTIVATION BY TARGETING ASC FOR K63-LINKED UBIQUITINATION VIA THE E3 LIGASE TRAF3
Kai Guan, Congwen Wei, Zirui Zheng, Ting Song, Feixiang Wu, Yanhong Zhang, Ye Cao, Shengli Ma, Wei Chen, Quanbin Xu, Weiwei Xia, Jun Gu, Xiang He, and Hui Zhong
4891 Ex Vivo and In Vitro Effect of Serum Amyloid A in the Induction of Macrophage M2 Markers and Efferocytosis of Apoptotic Neutrophils
Lei Sun, Huibin Zhou, Ziyan Zhu, Qian Yan, Lili Wang, Qing Liang, and Richard D. Ye

4901 Bordetella pertussis Adenylate Cyclase Toxin Blocks Induction of Bactericidal Nitric Oxide in Macrophages through cAMP-Dependent Activation of the SHP-1 Phosphatase
Ondrej Cerny, Jana Kamanova, Jiri Masin, Ilona Bibova, Karolina Skopova, and Peter Sebo

4914 DNA-Mediated Cyclic GMP–AMP Synthase–Dependent and –Independent Regulation of Innate Immune Responses
Kou Motani, Shinji Ito, and Shigekazu Nagata

4924 CCL7 and IRF-7 Mediate Hallmark Inflammatory and IFN Responses following Rhinovirus 1B Infection
Jason Girkin, Luke Hatchwell, Paul Foster, Sebastian L. Johnston, Nathan Bartlett, Adam Collison, and Joerg Mattes

4931 Intestinal Epithelial TLR-4 Activation Is Required for the Development of Acute Lung Injury after Trauma/Hemorrhagic Shock via the Release of HMGB1 from the Gut
Chhinder P. Sodhi, Hongpeng Jia, Yukihiro Yamaguchi, Peng Lu, Misy Good, Charlotte Egan, John Ozolek, Xiaorong Zhu, Timothy R. Billiar, and David J. Hackam

4940 The Role and Effects of Glucocorticoid-Induced Leucine Zipper in the Context of Inflammation Resolution

4951 DUSP3 Genetic Deletion Confers M2-like Macrophage–Dependent Tolerance to Septic Shock
Pratibha Singh, Lien Dejager, Mathieu Amand, Emilie Theatre, Maud Vandereyken, Tinatin Zurashvili, Maneesh Singh, Matthias Mack, Steven Timmermann, Lucia Musameci, Emmanuel Dejardin, Tomas Mustelin, Jo A. Van Ginderachter, Michel Moutschen, Cécile Oury, Claude Libert, and Souad Rahmouni

MOLECULAR AND STRUCTURAL IMMUNOLOGY
4963 Factor H–Related Protein 5 Interacts with Pentraxin 3 and the Extracellular Matrix and Modulates Complement Activation
Ádám I. Csincai, Anne Kopp, Miklós Zöldi, Zósfia Bánkoki, Barbara Uzonyi, Mario Hebecker, Joseph J. E. Caesar, Matteo C. Pickering, Kenji Daigo, Takao Hamakubo, Susan M. Lea, Elena Goicoechea de Jorge, and Mihály Jázsi

4974 Distinctive Structural Hallmarks and Biological Activities of the Multiple Cathelicidin Antimicrobial Peptides in a Primitive Teleost Fish
Xu-Jie Zhang, Xiang-Yang Zhang, Nu Zhang, Xia Guo, Kai-Song Peng, Han Wu, Long-Feng Lu, Nan Wu, Dan-Dan Chen, Shun Li, Pin Nie, and Yong-An Zhang

TUMOR IMMUNOLOGY
4988 Cancer-Associated Oxidase ERO1-α Regulates the Expression of MHC Class I Molecule via Oxidative Folding
Kazuharu Kukita, Yasuaki Tamura, Tsutomu Tanaka, Toshimitsu Kajiwara, Goro Katomi, Keita Saito, Koichi Okeya, Akari Takaya, Takayuki Kanaseki, Tomohide Tsukahara, Yoshihiko Hirohashi, Toshihiko Torigoe, Tomohisa Furuhata, Koichi Hirata, and Noriyuki Sato

4997 Intratumoral Delivery of IL-21 Overcomes Anti-Her2/Neu Resistance through Shifting Tumor-Associated Macrophages from M2 to M1 Phenotype
Meng Xu, Mingyue Liu, Xuecang Du, Sirui Li, Hang Li, Xiaozhu Li, Ying Li, Yang Wang, Zhihai Qin, Yang-Xin Fu, and Shengdian Wang

5007 Polycomb Repressive Complex 2 Confers BRG1 Dependency on the CIITA Locus
Mohamed Abou El Hasan, Tao Yu, Lan Song, and Rod Bremner

5014 Histamine Promotes the Development of Monocyte-Derived Dendritic Cells and Reduces Tumor Growth by Targeting the Myeloid NADPH Oxidase
Anna Martner, Hanna G. Wiktorin, Brianna Lenox, Frida Ewald Sander, Ebru Aydin, Johan Aurelius, Fredrik B. Thorén, Anders Ståhlberg, Svante Hermodsson, and Kristoffer Hellstrand
NOVEL IMMUNOLOGICAL METHODS

5022 General Approach for Tetramer-Based Identification of Autoantigen-Reactive B Cells: Characterization of La- and snRNP-Reactive B Cells in Autoimmune BXD2 Mice

Jennie A. Hamilton, Jun Li, Qi Wu, PingAr Yang, Bao Luo, Hao Li, John E. Bradley, Justin J. Taylor, Troy D. Randall, John D. Mountz, and Hui-Chen Hsu

5035 AUTHOR INDEX