This information is current as of May 30, 2017.

**186 (3)**

*J Immunol* 2011; 186:1295-1880; ;
http://www.jimmunol.org/content/186/3
IN THIS ISSUE

LETTERS TO THE EDITOR

1297 Comment on “Type 1 Diabetes in BioBreeding Rats Is Critically Linked to an Imbalance between Th17 and Regulatory T Cells and an Altered TCR Repertoire”
Jan-Luuk Hillebrands, Jan Rozing, and Jeroen T. J. Visser

1298 Response to Comment on “Type 1 Diabetes in BioBreeding Rats Is Critically Linked to an Imbalance between Th17 and Regulatory T Cells and an Altered TCR Repertoire”
Jens van den Brandt and Holger M. Reichardt

1299 Comment on “Flagellin as an Adjuvant: Cellular Mechanisms and Potential”
Janardan P. Pandey

1299 Response to Comment on “Flagellin as an Adjuvant: Cellular Mechanisms and Potential”
Steven B. Mizel and John T. Bates

PILLARS OF IMMUNOLOGY

1301 Receptor Editing as a Mechanism of B Cell Tolerance
Selvakumar Sukumar and Mark S. Schlissel

Denise Gay, Thomas Saunders, Sally Camper, and Martin Weigert

Susan L. Tieg, David M. Russell, and David Nemazee

BRIEF REVIEWS

1325 Recent Developments in Cancer Vaccines
Karolina Palucka, Hideki Ueno, and Jacques Banchereau

CUTTING EDGE

1333 Cutting Edge: NLRC5-Dependent Activation of the Inflammasome

1338 Cutting Edge: TIGIT Has T Cell-Intrinsic Inhibitory Functions
Nicole Joller, Jason P. Hafer, Boel Brynedal, Nasim Kassam, Silvia Spoerl, Steven D. Levin, Arlene H. Sharpe, and Vijay K. Kuchroo

CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

1343 Postselection Thymocyte Maturation and Emigration Are Independent of IL-7 and ERK5
Michael A. Weinreich, Stephen C. Jameson, and Kristin A. Hogquist

1348 Diverse Endogenous Antigens for Mouse NKT Cells: Self-Antigens That Are Not Glycosphingolipids
Bo Pei, Anneliese O. Speak, Dawn Shepherd, Terry Butters, Vincenzo Cerundolo, Frances M. Platt, and Mitchell Kronenberg

1361 Concurrent Allorecognition Has a Limited Impact on Posttransplant Vaccination
Teresa Manzo, Rodrigo Hess Michelini, Veronica Basso, Alesia Ricupito, Jian-Guo Chai, Elizabeth Simpson, Matteo Bellone, and Anna Mondino

1369 Dragon (Repulsive Guidance Molecule b) Inhibits IL-6 Expression in Macrophages
Yin Xia, Virna Cortez-Retamozo, Vera Niederkofler, Richard Salie, Shanzhuo Chen, Tarek A. Samad, Charles C. Hong, Silvia Arber, Jatin M. Vyas, Ralph Weissleder, Mikael J. Fittet, and Herbert Y. Lin

1377 Langerin^+ Dermal Dendritic Cells Are Critical for CD8^+ T Cell Activation and IgH^H 1 Class Switching in Response to Gene Gun Vaccines
Angelika Stoecklking, Tekalign D. Eticha, Mehrnaz Meidaghi, Adrien Kisselpfennig, Bernard Malissen, Josef Thalhammer, and Peter Hammerl

1384 Epigenetic Reduction in Invariant NKT Cells following In Utero Vitamin D Deficiency in Mice
Sanhong Yu and Margherita T. Cantorna

1391 Glycogen Synthase Kinase-3 Is an Early Determinant in the Differentiation of Pathogenic Th17 Cells
Eléonore Beurel, Wén-I Yeh, Suzanne M. Michalek, Laurie E. Harrington, and Richard S. Jope

1399 A Unique Role of the Cholera Toxin A1-DD Adjuvant for Long-Term Plasma and Memory B Cell Development
Mats Bemark, Peter Bergqvist, Anneli Stensson, Anna Holmberg, Johan Mattsson, and Nils Y. Lycke

1411 CCL20 and β-Defensin-2 Induce Arrest of Human Th17 Cells on Inflamed Endothelium In Vitro under Flow Conditions
Soufiane Ghannam, Cécile Dejou, Nathalie Pedretti, Jean-Philippe Giot, Karim Dorgam, Hassan Boukhadadou, Virginie Deleuze, François-Xavier Bernard, Christian Jorgensen, Hans Yssel, and Jérôme Pène

1421 Functional Redundancy between Thymic CD8α^+ and Sirpα^+ Conventional Dendritic Cells in Presentation of Blood-Derived Lysozyme by MHC Class II Proteins
Danielle F. Atibalentja, Kenneth M. Murphy, and Emil R. Unanue

1432 CD1d-Restricted IFN-γ–Secreting NKT Cells Promote Immune Complex-Induced Acute Lung Injury by Regulating Macrophage-Inflammatory Protein-1α Production and Activation of Macrophages and Dendritic Cells
Ji Hyung Kim and Doo Hyun Chung
1442 Transplantation Tolerance to a Single Noninherited MHC Class I Maternal Alloantigen Studied in a TCR-Transgenic Mouse Model
Yoshinobu Akiyama, Stéphane M. Caucheteux, Cécile Vernochet, Yoshiko Iwamoto, Katsunori Tanaka, Colette Kanellopoulos-Langevin, and Gilles Benichou

1450 Runx1/Cbß2 Complexes Are Required for Lymphoid Tissue Inducer Cell Differentiation at Two Developmental Stages
Masashi Tachibana, Mari Tenno, Chieko Tetzuka, Machiko Sugiyama, Hisahiro Yoshida, and Ichiro Taniuchi

1458 IFN Regulatory Factor 8 Restricts the Size of the Marginal Zone and Follicular B Cell Pools
Jiansun Feng, Hongcheng Wang, Dong-Mi Shin, Marek Maisuk, Chen-Feng Qi, and Herbert C. Morse, III

1467 P-Rex1 and Vav1 Cooperate in the Regulation of Formyl-Methionyl-Leucyl-Phenylalanine-Dependent Neutrophil Responses
Campbell D. Lawson, Sarah Donald, Karen E. Anderson, Daniel T. Patton, and Heidi C. E. Welch

1477 Plasmacytoid Dendritic Cell Dichotomy: Identification of IFN-α Producing Cells as a Phenotypically and Functionally Distinct Subset
Pia Björck, H. Xianne Leong, and Edgar G. Engleman

1486 TNF Receptor-1 Is Required for the Formation of Splenic Compartments during Adult, but Not Embryonic Life
Novica M. Mišićević, Karola Klaperski, Klaw Nooshoudi, Živana Mišićević, Katja Bieber, Babett Baraniec, Maike Blessenohl, Kathrin Kalies, Carl F. Ware, and Jürgen Westermann

1495 IL-23–Mediated Psoriasis-Like Epidermal Hyperplasia Is Dependent on IL-17A
Heather L. Rizzo, Shinji Kagami, Kevin G. Phillips, Stephen E. Kurtz, Steven L. Jacques, and Andrew Blauvelt

1503 CpG Promotes Cross-Presentation of Dead Cell-Associated Antigens by Pre-CD8α+ Dendritic Cells
Christelle de Britto, Martine Tomkowiak, Raffaella Ghittoni, Christophe Caux, Yann Leverrier, and Jacqueline Marvel

1512 Invariant NKT Cells Inhibit Autoreactive B Cells in a Contact- and CD1d-Dependent Manner
Jun-Qi Yang, Xianghu Wen, Peter J. Kim, and Ram Raj Singh

1521 Lung Cancer-Derived Galectin-1 Mediates Dendritic Cell Anergy through Inhibitor of DNA Binding 3/IL-10 Signaling Pathway
Po-Lin Kuo, Jen-Yu Huang, Shau-Ku Huang, Shih-Hua Chou, Da-En Cheng, Yah-Jyh Jong, Chih-Hsiung Hung, Chih-Jen Yang, Ying-Ming Tsai, Ya-Ling Hsu, and Ming-Shyan Huang

1531 Restricted Microbiota and Absence of Cognate TCR Antigen Leads to an Unbalanced Generation of Th17 Cells
Matthias Lochner, Marion Bévard, Shinichiro Sawa, Siona Hauer, Valérie Gaboriau-Routhiau, Tabia Diana Fernandez, Johannes Snel, Philippe Bousso, Nadine Cerf-Bensussan, and Gérard Eberl

1538 A Human NK Cell Activation/Inhibition Threshold Allows Small Changes in the Target Cell Surface Phenotype To Dramatically Alter Susceptibility to NK Cells
Tim D. Holmes, Yasser M. El-Sherbiny, Adam Davison, Sally L. Clough, G. Eric Blair, and Graham P. Cook

1546 Foxp3+ Regulatory T Cells Control Humoral Autoimmunity by Suppressing the Development of Long-Lived Plasma Cells
Eunkyeong Jang, Wang Sik Cho, Mi-La Cho, Hyun-Joo Park, Hye-Joa Oh, Sang-Mee Kang, Doo-Jin Paik, and Jeehee Youn

1554 CD22 Is a Recycling Receptor That Can Shuttle Cargo between the Cell Surface and Endosomal Compartments of B Cells
Mary K. O’Reilly, Hua Tian, and James C. Paulson
MOLECULAR AND STRUCTURAL IMMUNOLOGY

1564 Autophagy Regulates Endoplasmic Reticulum Homeostasis and Calcium Mobilization in T Lymphocytes  
Wei Jia, Heather H. Pua, Qi-Jing Li, and You-Wen He

IMMUNOGENETICS

1575 Although Divergent in Residues of the Peptide Binding Site, Conserved Chimpanzee Patr-AL and Polymorphic Human HLA-A*02 Have Overlapping Peptide-Binding Repertoires  

HOST DEFENSE

1589 Persistence of Gut Mucosal Innate Immune Defenses by Enteric α-Defensin Expression in the Simian Immunodeficiency Virus Model of AIDS  
Melinda M. Zaragoza, Sumathi Sankaran-Walters, Don R. Canfield, Jason K. S. Huong, Enrique Martinez, André J. Ouellette, and Satya Dandekar

1598 CD4 T Cells Promote Rather than Control Tuberculosis in the Absence of PD-1–Mediated Inhibition  
Daniel L. Barber, Katrin D. Mayer-Barber, Carl G. Feng, Arlene H. Sharpe, and Alan Sher

1608 TLR 2 and CD14 Mediate Innate Immunity and Lung Inflammation to Staphylococcal Panton–Valentine Leukocidin In Vivo  
Ana Ziskovic, Omar Sharif, Karin Stich, Bianca Doninger, Mario Biaggio, Jacques Colinge, Martin Bilban, Ildiko Mesteri, Parastoo Hazemi, Rosa Lemmens-Gruber, and Sylvia Knapp

1618 RIG-I/MDA5/MAVS Are Required To Signal a Protective IFN Response in Rotavirus-Infected Intestinal Epithelium  
Alexis H. Broquet, Yoshibiro Hirata, Christopher S. McAllister, and Martin F. Kangnoff

1627 Mycobacterium tuberculosis Directs Immunofocusing of CD8+ T Cell Responses Despite Vaccination  
Joshua S. Woodworth, Daniel Shin, Mattijs Volman, Claudio Nunes-Alves, Sarah M. Fortune, and Samuel M. Behar

1638 c-Maf–Dependent Growth of Mycobacterium tuberculosis in a CD14hi Subpopulation of Monocyte-Derived Macrophages  
Rohan Dhiman, Anuradha Bandaru, Peter F. Barnes, Sudipto Saha, Amy Tsvinneret, Ramesh C. Nayak, Padmaja Paidipally, Vijaya Lakshmi Valluri, L. Vijaya Mohan Rao, and Ramakrishna Vankayalapati

1646 NLRP4 Negatively Regulates Autophagic Processes through an Association with Beclin1  
Nao Jounai, Kouji Kobayama, Masaaki Shinia, Kazuhiro Ogata, Ken J. Ishii, and Fumihiko Takeda

1656 Pyk2 Is Required for Neutrophil Degranulation and Host Defense Responses to Bacterial Infection  
Lyun A. Kamen, Joseph Schlesinger, and Clifford A. Lowell

1666 Influenza A Inhibits Th17-Mediated Host Defense against Bacterial Pneumonia in Mice  
Anupa Kudva, Erich V. Scheller, Keven M. Robinson, Chris R. Crowe, Sun Mi Choi, Samantha R. Slight, Shabana A. Khader, Patricia J. Dubin, Richard I. Enelow, Jay K. Kolls, and John F. Alcorn

1667 IL-17 Contributes to Cell-Mediated Defense against Pulmonary Yersinia pestis Infection  
Jr-Shuian Lin, Lawrence W. Kammer, Frank M. Szaba, and Stephen T. Smiley

1685 A Novel Role for IFN-Stimulated Gene Factor 3 in IFN-γ Signaling and Induction of Antiviral Activity in Human Cells  
Angel N. Morrow, Hana Schmeisser, Takaya Tsuno, and Kathryn C. Zhou

1694 EBV Lytic-Phase Protein BGLF5 Contributes to TLR9 Downregulation during Productive Infection  
1703 T Cell-Intrinsic Factors Contribute to the Differential Ability of CD8+ T Cells To Rapidly Secrete IFN-γ in the Absence of Antigen
Elsa N. Bou Ghanem, Christina C. Nelson, and Sarah E. F. D'Orazio

1713 Functional Consequences of Natural Sequence Variation of Murine Cytomegalovirus m157 for Ly49 Receptor Specificity and NK Cell Activation
Alexandra J. Corbett, Jerome D. Coudert, Catherine A. Forbes, and Anthony A. Scalzo

INFLAMMATION

1723 Mechanistic Role of MicroRNA-146a in Endotoxin-Induced Differential Cross-Regulation of TLR Signaling
Md A. Nahid, Minoru Satoh, and Edward K. L. Chan

1735 Controlling Herpes Simplex Virus-Induced Ocular Inflammatory Lesions with the Lipid-Derived Mediator Resolvin E1
Naveen K. Rajaiaug, Pradeep B. J. Reddy, Amol Suryawanshi, Sachin Mulik, Per Gjorstrup, and Barry T. Rouse

1747 IL-1α Modulates Neutrophil Recruitment in Chronic Inflammation Induced by Hydrocarbon Oil
Pui Y. Lee, Yutaro Kanagai, Yuan Xu, Yi Li, Tolga Barker, Chao Liu, Eric S. Sobel, Osamu Takeuchi, Shizuo Akira, Minoru Satoh, and Wesley H. Reeves

1755 CR2+ Marginal Zone B Cell Production of Pathogenic Natural Antibodies Is C3 Independent
Keith M. Woods, Michael R. Pope, Sara M. Hoffman, and Sherry D. Fleming

1763 Identification of Endothelial Cell Junctional Proteins and Lymphocyte Receptors Involved in Transendothelial Migration of Human Effector Memory CD4+ T Cells
Thomas D. Manes and Jordan S. Pober

1769 A Virus-Like Particle-Based Anti-Nerve Growth Factor Vaccine Reduces Inflammatory Hyperalgesia: Potential Long-Term Therapy for Chronic Pain

1781 Tumor-Associated a2 Vacuolar ATPase Acts As a Key Mediator of Cancer-Related Inflammation by Inducing Pro-Tumorigenic Properties in Monocytes
Christina Kwong, Alice Gilman-Sachs, and Kenneth Beaman

1790 IFN-γ Attenuates Hypoxia-Inducible Factor (HIF) Activity in Intestinal Epithelial Cells through Transcriptional Repression of HIF-1ß
Louise E. Glover, Karina Irizarry, Melanie Scully, Eric L. Campbell, Brittelle E. Bowers, Carol M. Aberne, Douglas J. Kominsky, Christopher F. MacManus, and Sean P. Colgan

1799 Spontaneous Pregnancy Loss Mediated by Abnormal Maternal Inflammation in Rats Is Linked to Deficient Uteroplacental Perfusion
Stephen J. Renaud, Tiziana Cotechini, Jill S. Quirt, Shannyn K. Macdonald-Goodfellow, Maha Othman, and Charles H. Graham

1809 Senescent CD14+CD16+ Monocytes Exhibit Proinflammatory and Proatherosclerotic Activity
Ana Merino, Paula Buendia, Alejandro Martin-Malo, Pedro Aljama, Rafael Ramirez, and Julia Carracedo

1816 Endothelial ICAM-1 Protein Induction Is Regulated by Cytosolic Phospholipase A2α via Both NF-κB and CREB Transcription Factors
Nurit Hadad, Liron Tuval, Vered Elgazar-Carmom, Ron Levy, and Rachel Levy

CLINICAL IMMUNOLOGY

1828 Provision of Continuous Maturation Signaling to Dendritic Cells by RIG-I–Stimulating Cytosolic RNA Synthesis of Sendai Virus
Shinji Okano, Yoshikazu Yonemitsu, Ken Shirabe, Yoshihiro Kakeji, Yoshikiko Maehara, Mamoru Hara, Yasunobu Yoshikai, Makoto Inoue, Mamoru Hasegawa, and Katsu Suedishi
Daratumumab, a Novel Therapeutic Human CD38 Monoclonal Antibody, Induces Killing of Multiple Myeloma and Other Hematological Tumors

In Situ B Cell-Mediated Immune Responses and Tubulointerstitial Inflammation in Human Lupus Nephritis

Gene Expression Patterns of Th2 Inflammation and Intercellular Communication in Asthmatic Airways
David F. Choy, Barmak Modrek, Alexander R. Abbas, Sarah Kummerfeld, Hilary F. Clark, Lauren C. Wu, Grazyna Fedorowicz, Zora Modrusan, John V. Faby, Prescott G. Woodruff, and Joseph R. Arron

IL-1β Is Overexpressed and Aberrantly Regulated in Corticosteroid Nonresponders with Autoimmune Inner Ear Disease
Shresh Pathak, Elliot Goldofsky, Esther X. Vivas, Vincent R. Bonagura, and Andrea Vambutas

CORRECTIONS
Correction: An Inflammasome-Independent Role for Epithelial-Expressed Nlrm3 in Renal Ischemia-Reperfusion Injury

AUTHOR INDEX