This information is current as of June 15, 2022.
593 IN THIS ISSUE

LETTERS TO THE EDITOR

595 Comment on “Dermatitis Herpetiformis Sera or Goat Anti–Transglutaminase-3 Transferred to Human Skin-Grafted Mice Mimics Dermatitis Herpetiformis Immunopathology”
Emiliano Antiga, Marzia Caproni, and Paolo Fabbri

595 Response to Comment on “Dermatitis Herpetiformis Sera or Goat Anti–Transglutaminase-3 Transferred to Human Skin-Grafted Mice Mimics Dermatitis Herpetiformis Immunopathology”
Laurence J. Meyer

BRIEF REVIEWS

597 Modulation of Inflammasome Pathways by Bacterial and Viral Pathogens
Mohamed Lamkanfi and Vishva M. Dixit

CUTTING EDGE

603 Cutting Edge: JAM-C Controls Homeostatic Chemokine Secretion in Lymph Node Fibroblastic Reticular Cells Expressing Thrombomodulin
Vincent Frontera, Marie-Laure Arcangeli, Claudia Zimmerli, Florence Bardin, Elodie Obrados, Stéphane Audebert, Marc Bajenoff, Jean-Paul Borg, and Michel Aurrand-Lions

608 Cutting Edge: T Cells Monitor N-Myristoylation of the Nef Protein in Simian Immunodeficiency Virus-Infected Monkeys
Daisuke Morita, Tatsuhiko Igarashi, Mariko Horiike, Naoki Mori, and Masahiko Sugita

613 Cutting Edge: Reactive Oxygen Species Inhibitors Block Priming, but Not Activation, of the NLRP3 Inflammasome
Franz Bauernfeind, Eva Bartok, Anna Rieger, Luigi Franchi, Gabriel Nuñez, and Veit Hornung

A Requirement for the p85 PI3K Adapter Protein BCAP in the Protection of Macrophages from Apoptosis Induced by Endoplasmic Reticulum Stress
SungWon Song, Claude Chew, Benjamin M. Dale, Daniel Traum, James Peacock, Tetsuo Yamazaki, Raphael Clynes, Tomohiro Kurosaki, and Steven Greenberg

Cyclosporine-Resistant, Rab27a-Independent Mobilization of Intracellular Preformed CD40 Ligand Mediates Antigen-Specific T Cell Help In Vitro
Yoshinobu Koguchi, Jennifer L. Gardell, Timothy J. Thauland, and David C. Parker

Akt-Mediated Proinflammatory Response of Mononuclear Phagocytes Infected with Burkholderia cenocepacia Occurs by a Novel GSK3β-Dependent, IkB Kinase-Independent Mechanism
Thomas J. Cremer, Prezy Shah, Estelle Coronet-Boyaka, Miguel A. Valvano, Jonathan P. Butchar, and Suheela Thrindapani

NTPDase1 Controls IL-8 Production by Human Neutrophils
Filip Kukulski, Fariborz Bahrami, Fethia Ben Yehdri, Joanna Lecka, Mireia Martín-Satué, Sébastien A. Lévesque, and Jean Sèvigny

Anti-CD8 Antibodies Can Trigger CD8+ T Cell Effector Function in the Absence of TCR Engagement and Improve Peptide–MHC Tetramer Staining

Developmental Arrest of T Cells in Rpl22-Deficient Mice Is Dependent upon Multiple p53 Effectors

Cancer Exosomes Express CD39 and CD73, Which Suppress T Cells through Adenosine Production
Aled Clayton, Saly Al-Taei, Jason Webber, Malcolm D. Mason, and Zsuzsanna Tabi

Multilayered Defense in HLA-B51–Associated HIV Viral Control
YongHong Zhang, YanChun Peng, HuiPing Yan, Keyi Xu, Masumichi Saito, Hao Wu, XinYue Chen, Srinika Ranasinghe, Nozomi Kase, Tim Powell, Yan Zhao, WeiHua Li, Xin Zhang, Xia Feng, Ning Li, Aleksandra Lelgadowicz, XiaNing Xu, Mina John, Masaumi Takiguchi, Andrew McMichael, Sarah Rowland-Jones, and Tao Dong

Notch Signaling Regulates Mouse and Human Th17 Differentiation
Shilpa Keerthivasan, Reem Saleiman, Rebecca Lawlor, Justine Roderick, Tonya Bates, Lisa Minter, Juan Anguita, Ignacio Juncadella, Brian J. Nickoloff, I. Caroline Le Poole, Lucio Miele, and Barbara A. Osborne

TNF Mediates the Sustained Activation of Nrf2 in Human Monocytes
Stuart A. Rushworth, Subhash Shah, and David J. MacEwan

Activated NKT Cells and NK Cells Render T Cells Resistant to Myeloid-Derived Suppressor Cells and Result in an Effective Adoptive Cellular Therapy against Breast Cancer in the FVBN202 Transgenic Mouse

Cholinergic Regulatory Lymphocytes Re-Establish Neuromodulation of Innate Immune Responses in Sepsis
Geber Peña, Bolin Cai, Laura Ramos, Gergely Vida, Edwin A. Deitch, and Luis Ulloa

Targeting FcαRI on Polymorphonuclear Cells Induces Tumor Cell Killing through Autophagy
Jantine E. Bakema, Sonja H. Ganzeder, Donna M. Fluitman, Marco W. Schilham, Robert H. J. Beelen, Thomas Valerius, Stefan Lohe, Martin J. Glennie, Jans Paul Medema, and Marjolein van Egmond

Functional Specializations of Intestinal Dendritic Cell and Macrophage Subsets That Control Th17 and Regulatory T Cell Responses Are Dependent on the T Cell/APC Ratio, Source of Mouse Strain, and Regional Localization
Timothy L. Denning, Brian A. Norris, Oscar Medina-Contreras, Santhakumar Manicasamy, Duke Geem, Rajat Madan, Christopher L. Karp, and Bali Pulendran
Protein Kinase C and NF-κB–Dependent CD4 Downregulation in Macrophages Induced by T Cell-Derived Soluble Factors: Consequences for HIV-1 Infection
Rui André Sarattiva Raposo, David C. Trudgian, Benjamin Thomas, Bonnie van Wilgenburg, Sally A. Cowley, and William James

Simulations of the NK Cell Immune Synapse Reveal that Activation Thresholds Can Be Established by Inhibitory Receptors Acting Locally

Regulation of the Estrous Cycle by Neutrophils via Opioid Peptides
Soichiro Sasaki, Yutaka Tamaki, Kisaburo Nagata, and Yoshiro Kobayashi

Unexpected Role for Granzyme K in CD56\(^{bright}\) NK Cell-Mediated Immunoregulation of Multiple Sclerosis
Wenzheng Jiang, Noo Ri Choi, Dragan Maric, and Bibiana Bielekova

Role for MyD88, TLR2 and TLR9 but Not TLR1, TLR4 or TLR6 in Experimental Autoimmune Encephalomyelitis
Socorro Miranda-Hernandez, Nicole Gerlach, Julie M. Fletcher, Erik Biro, Matthias Mack, Heinrich Körner, and Alan G. Baxter

Impairment of Immunological Synapse Formation in Adaptively Tolerant T Cells
Seeyoung Choi and Ronald H. Schwartz

Bruton’s Tyrosine Kinase Is Required for TLR-Dependent Heme Oxygenase-1 Gene Activation via Nrf2 in Macrophages
Vijith Vijayan, Eveline Baumgart-Vogt, Srivatsava Naidu, Guofeng Qian, and Stephan Immenschuh

A Critical Role for Dendritic Cells in the Formation of Lymphatic Vessels within Tertiary Lymphoid Structures
Luciana R. Muniz, Michelle E. Pacer, Sergio A. Lira, and Glaucia C. Furtado

Clonally Related CD8\(^{+}\) T Cells Responsible for Rapid Population of Both Diffuse Nasal-Associated Lymphoid Tissue and Lung After Respiratory Virus Infection
Sherri L. Surman, Rajeev Rudraraju, David L. Woodland, Pradyot Dash, Paul G. Thomas, and Julia L. Hurwitz

Targeting Antigen to Mouse Dendritic Cells via Clec9A Induces Potent CD4 T Cell Responses Biased toward a Follicular Helper Phenotype

Loss of T Cell CD98 H Chain Specifically Ablates T Cell Clonal Expansion and Protects from Autoimmunity
Joseph Cantor, Marina Slepak, Nil Ege, John T. Chang, and Mark H. Ginsberg

A Self-Reactive TCR Drives the Development of Foxp3\(^{+}\) Regulatory T Cells That Prevent Autoimmune Disease
Justin R. Killebrew, Nikole Perdue, Alan Kwan, Angela M. Thornton, Ethan M. Shevach, and Daniel J. Campbell

MOLECULAR AND STRUCTURAL IMMUNOLOGY

Physical and Functional Bivalency Observed Among TCR/CD3 Complexes Isolated from Primary T Cells
Adam G. Schrum, Diana Gil, Laurence A. Turka, and Ed Palmer

Limiting CDR-H3 Diversity Abrogates the Antibody Response to the Bacterial Polysaccharide α 1→3 Dextran
Tamer I. Mahmoud, Harry W. Schroeder, Jr., and John F. Kearney
HOST DEFENSE

887 Suppression of TLR9 Immunostimulatory Motifs in the Genome of a Gammaherpesvirus  
Andrea C. Pezda, Alex Penn, Gregory M. Barton, and Laurent Coscoy

887 Yersinia pestis YopE Contains a Dominant CD8 T Cell Epitope that Confers Protection in a Mouse Model of Pneumonic Plague  
Jr-Shiuan Lin, Frank M. Szaba, Lawrence W. Kummer, Brett A. Chromy, and Stephen T. Smiley

905 Cecal Ligation and Puncture-Induced Impairment of Innate Immune Function Does Not Occur in the Absence of Caspase-1  
E. D. Murphey

INFLAMMATION

911 Neutrophil Mobilization from the Bone Marrow during Polymicrobial Sepsis Is Dependent on CXCL12 Signaling  
Matthew J. Delano, Kindra M. Kelly-Scumpia, Terri C. Thayer, Robert D. Winfield, Philip O. Scumpia, Alex G. Cuenca,  
Phillips B. Harrington, Kerri A. O’Malley, Elizabeth Warner, Sonia Gabrilovich, Clayton E. Mathews, Drake Laface,  
Paul G. Heyworth, Reuben Ramphal, Robert M. Strieter, Lyle L. Moldawer, and Philip A. Efron

919 Endoplasmic Reticulum Calcium Depletion Impacts Chaperone Secretion, Innate Immunity, and Phagocytic Uptake of Cells  
Larry Robert Peters and Malini Raghavan

932 Gab2, via PI-3K, Regulates ARF1 in FcεRI-Mediated Granule Translocation and Mast Cell Degranulation  
Keigo Nishida, Satoru Yamasaki, Aiko Hasegawa, Akihiro Iwamatsu, Haruhiko Kosaka, and Toshio Hirano

942 Ginsenoside Rg1, a Novel Glucocorticoid Receptor Agonist of Plant Origin, Maintains Glucocorticoid Efficacy with Reduced Side Effects  
Juan Du, Binbin Cheng, Xiaoyan Zhu, and Changguan Ling

951 IL-23 Is Critical for Induction of Arthritis, Osteoclast Formation, and Maintenance of Bone Mass  
Iannis E. Adamopoulos, Marlowe Tessmer, Cheng-Chi Chao, Sarvesh Adda, Dan Gorman, Mary Petro, Chuan-Chu Chou,  
Robert H. Pierce, Wei Yao, Nancy E. Lane, Drake Laface, and Edward P. Bowman

960 Ethyl Pyruvate Rescues Nigrostriatal Dopaminergic Neurons by Regulating Glial Activation in a Mouse Model of Parkinson’s Disease  
Sue H. Huh, Young C. Chung, Ying Piao, Min Y. Jin, Hyo J. Son, Nam S. Yoon, Joo Y. Hong, Youngmi K. Pak,  
Yoon S. Kim, Jong K. Hong, Onyou Huang, and Byung K. Jin

970 Early and Transient Release of Leukocyte Pentraxin 3 during Acute Myocardial Infarction  
Norma Maugeri, Patrizia Rovere-Querini, Massimo Slavich, Giovanni Coppi, Andrea Doni, Barbara Bottazzi,  
Cecilia Garlenda, Domenico Cianflone, Attilio Maseri, Alberto Mantovani, and Angelo A. Manfredi

987 FOXO3 Deficiency Leads to Increased Susceptibility to Cigarette Smoke-Induced Inflammation, Airspace Enlargement, and Chronic Obstructive Pulmonary Disease  
Jae-woong Hwang, Saravanan Rajendrasozhan, Hongwei Yao, Sangwoon Chung, Isaac K. Sundar, Heidie L. Huyek,  
Gloria S. Pryhuber, Vuokko L. Kinnula, and Irfan Rahman

999 Induction of Mucin and MUC5AC Expression by the Protease Activity of Aspergillus fumigatus in Airway Epithelial Cells  
Tsuwoshi Oguma, Koichiro Asano, Katsujiro Tomomatsu, Motohiro Kodama, Koichi Fukunaga, Tetsuya Shiomi,  
Nao Ohmori, Soichiro Ueda, Takahisa Takihara, Yoshiki Shiraishi, Koichi Sayama, Shizuko Kagawa, Yukikazu Natori,  
Craig M. Lilly, Kazuo Sato, Koich Makimura, and Akito Ishizaka