This information is current as of July 25, 2017.
2889 IN THIS ISSUE

LETTERS TO THE EDITOR

2891 Comment on “Direct Hematological Toxicity and Illegitimate Chromosomal Recombination Caused by the Systemic Activation of CreER<T>”
Anja Uhmann, Kai Dittmann, Jurgen Wiemann, and Heidi Hahn

2891 Response to Comment on “Direct Hematological Toxicity and Illegitimate Chromosomal Recombination Caused by the Systemic Activation of CreER<T>”
Motoko Yanagita, Atsuko Higashi, Tomokatsu Ikawa, Masamichi Maramatsu, Aris N. Economides, and Hiroshi Kawamoto

PILLARS OF IMMUNOLOGY

2893 Where the Confusion Began: Cloning the First Chemokine Receptors
Barrett J. Rollins

William E. Holmes, James Lee, Wun-Jing Kuang, Glenn C. Rice, and William I. Wood

Phillip M. Murphy and H. Lee Tiffany

BRIEF REVIEWS

2903 CD4-CD8 Lineage Differentiation: Thpok-ing into the Nucleus
Lie Wang and Rémy Bouclat

CUTTING EDGE

2911 Cutting Edge: IL-15-Independent NK Cell Response to Mouse Cytomegalovirus Infection
Joseph C. Sun, Averil Ma, and Lewis L. Lanier
Type I Interferon (IFNα) Acts Directly on Human Memory CD4+ T Cells Altering Their Response to Antigen
Kathleen M. E. Gallagher, Sarah Lauder, Ian W. Rees, Awen M. Gallimore, and Andrew J. Godkin

C3 Promotes Expansion of CD8+ and CD4+ T Cells in a Listeria monocytogenes Infection
Yumi Nakayama, Shinh-Il Kim, Eui Ho Kim, John D. Lambri, Matyas Sandor, and M. Suresh

IFN-γ, as Secreted during an Alloresponse, Induces Differentiation of Monocytes into Tolerogenic Dendritic Cells, Resulting in FoxP3+ Regulatory T Cell Promotion
Assia Eljaafari, Yin-Ping Li, and Pierre Miossec

Superantigen-Activated Regulatory T Cells Inhibit the Migration of Innate Immune Cells and the Differentiation of Naive T Cells
Yakup Tanriver, Alfonso Martin-Fontecha, Kalachev Myatno, Giovanna Lombardi, and Robert Lechler

High Frequencies of Functionally Competent Circulating Tax-Specific CD8+ T Cells in Human T Lymphotropic Virus Type 2 Infection
André L. A. Oliveira, Hitoshi Hayakawa, Doris Schor, Ana Claudia C. B. Leite, Otâvio M. Espindola, Alison Waters, Jonathan Dean, Derek G. Docherty, Abelardo Q.-C. Araujo, and William W. Hall

Roles of the TRAF2/3 Binding Site in Differential B Cell Signaling by CD40 and Its Viral Oncogenic Mimic, LMP1
John P. Graham, Carisa R. Moore, and Gail A. Bishop

Antigen Receptor Signals Rescue B Cells from TLR Tolerance
Jayakumar S. Poovayaya, Tony J. Vanden Bush, and Gail A. Bishop

TLR Triggering on Tolerogenic Dendritic Cells Results in TLR2 Up-Regulation and a Reduced Proinflammatory Immune Program
Sonia Chamorro, Juan J. García-Vallejo, Wendy W. J. Unger, Rosette J. Fernandez, Sven C. M. Braijns, Sandra Laban, Bart O. Roep, Bert A. ’t Hart, and Yvette van Kooyk

Jagged1 on Dendritic Cells and Notch on CD4+ T Cells Initiate Lung Allergic Responsiveness by Inducing IL-4 Production
Masakazu Okamoto, Hiroyuki Matsuda, Anthony Joetham, Joseph J. Lucas, Joanne Domenico, Koji Yasutomo, Katsuyuki Takeda, and Erwin W. Gelfand

Survival and Migration of Human Dendritic Cells Are Regulated by an IFN-α-Inducible Ad/Gas6 Pathway
Sara Scutera, Tiziana Fraone, Tiziana Musso, Paola Cappello, Silvia Rossi, Daniele Pierobon, Zane Pau, Silvia Buñó-Faus, and Mirella Giovarelli

Mast Cells Down-Regulate CD4+CD25+ T Regulatory Cell Suppressor Function via Histamine H1 Receptor Interaction
Nicholas A. Forward, Suzanne J. Furlong, Yongjun Yang, Tong-Jun Lin, and David W. Hoskin

The Gli3 Transcription Factor Expressed in the Thymus Stroma Controls Thymocyte Negative Selection Via Hedgehog-Dependent and -Independent Mechanisms
Ariadne L. Hager-Theodorides, Anna L. Furmaniski, Susan E. Ross, Susan V. Outram, Nicola J. Rowbotham, and Tessa Crompton

Basophils Can Directly Present or Cross-Present Antigen to CD8 Lymphocytes and Alter CD8 T Cell Differentiation into IL-10-Producing Phenotypes
Sohee Kim, Tao Shen, and Booki Min

Inhibition of Thymic Adipogenesis by Caloric Restriction Is Coupled with Reduction in Age-Related Thymic Involution
Hyunwon Yang, Yun-Hee Youm, and Vishwa Deep Dixit
MOLECULAR AND STRUCTURAL IMMUNOLOGY

3249 The Binding of Antigenic Peptides to HLA-DR Is Influenced by Interactions between Pocket 6 and Pocket 9
Eddie A. James, Antonis K. Moustakas, John Bui, Randi Nouv, George K. Papadopoulos, and William W. Kuok

3259 Peroxisome Proliferator-Activated Receptor γ Agonist Down-Regulates IL-17 Expression in a Murine Model of Allergic Airway Inflammation
Seoung Ju Park, Kyung Sun Lee, So Ri Kim, Kyung Hoon Min, Yeong Hun Choe, Hee Moon, Han Jung Chae, Wan Hee Yoo, and Yong Chul Lee

IMMUNOGENETICS

3285 Ornithorhynchus anatinus (Platypus) Links the Evolution of Immunoglobulin Genes in Eutherian Mammals and Nonmammalian Tetrapods
Yao Feng Zhao, Huiting Cui, Camilla M. Whittington, Zhiguo Wei, Xiaofeng Zhang, Ziding Zhang, Li Yu, Liming Ren, Xiaoxiang Hu, Yaping Zhang, Lars Hellman, Katherine Belov, Ning Li, and Lennart Hammarström

HOST DEFENSE

3294 Original Antigenic Sin Responses to Influenza Viruses
Jin Hyang Kim, Ioanna Skountzou, Richard Compan, and Joshy Jacob
NADPH Oxidase NOX2 Mediates Rapid Cellular Oxidation following ATP Stimulation of Endotoxin-Primed Macrophages
Samantha F. Moore and Amanda B. MacKenzie

Neutrophils Sequestered in the Liver Suppress the Proinflammatory Response of Kupffer Cells to Systemic Bacterial Infection
Martin Holub, Chao-Wen Cheng, Stephanie Mott, Philip Wintermeyer, Nico van Rooijen, and Stephen H. Gregory

Genetic Control of Severe Egg-Induced Immunopathology and IL-17 Production in Murine Schistosomiasis
Patrick M. Smith, Mara G. Shainheit, Lindsey E. Bazzone, Laura I. Rutitzky, Alexander Poltorak, and Miguel J. Stadecker

IL-12p40 and IL-18 Play Pivotal Roles in Orchestrating the Cell-Mediated Immune Response to a Poxvirus Infection
Yang Wang, Geeta Chaudhri, Ronald J. Jackson, and Gunasegaram Karupiah

CXCR2-Dependent Mucosal Neutrophil Influx Protects against Colitis-Associated Diarrhea Caused by an Attaching/Effacing Bacterial Pathogen
Martina E. Spehlmann, Sara M. Dunn, Petr Hruza, Elaine Hanson, Declan F. McCole, and Lars Eckmann

Processing and Presentation of Variant Surface Glycoprotein Molecules to T Cells in African Trypanosomiasis
Taylor R. Dagenais, Bailey E. Freeman, Karen P. Demick, Donna M. Paulnock, and John M. Mansfield

Sequential, Ordered Acquisition of Antibodies to Plasmodium falciparum Erythrocyte Membrane Protein 1 Domains

Memory-Like CD8+ T Cells Generated during Homeostatic Proliferation Defer to Antigen-Experienced Memory Cells
Kitty P. Cheung, Edward Yang, and Ananda W. Goldrath

Selective Expansion of HIV-1 Envelope Glycoprotein-Specific B Cell Subsets Recognizing Distinct Structural Elements Following Immunization
Pia Dosenovic, Bimal Chakrabarti, Martina Soldemo, Iyadh Douagi, Mattias N. E. Forsell, Yuqing Li, Adhuna Phogat, Staffan Paulie, James Hoxie, Richard T. Wyatt, and Gunilla B. Karlsson Hedestam

INFLAMMATION

12/15-Lipoxygenase Counteracts Inflammation and Tissue Damage in Arthritis
Gerhard Krönke, Julia Katzenbeiser, Stefan Uderhards, Mario M. Zaisi, Carina Scholtysek, Gernot Schabbauer, Alexander Zarbock, Marije I. Koeners, Roland Axmann, Hans W. Baenckler, Wim van den Berg, Reinhard E. Voll, Hartmut Kühn, Leo A. B. Joosten, and Georg Schett

GM-CSF Regulates Fusion of Mononuclear Osteoclasts into Bone-Resorbing Osteoclasts by Activating the Ras/ERK Pathway
Myung Su Lee, Hun Soo Kim, Jeong-Tae Yeon, Sik-Won Choi, Churl Hong Chun, Han Bok Kuak, and Jaemin Oh

A TLR2 Agonist in German Cockroach Frass Activates MMP-9 Release and Is Protective against Allergic Inflammation in Mice
Kristen Page, John R. Ledford, Ping Zhou, and Marsha Wills-Karp

Complement Protease MASP-1 Activates Human Endothelial Cells: PAR4 Activation Is a Link between Complement and Endothelial Function
Márton Megyeri, Veronika Makó, László Beinrohr, Zoltán Doleshall, Zoltán Prohászka, László Cervenak, Péter Závodszky, and Péter Gál
IL-10 Is a Negative Regulatory Factor of CAWS-Vasculitis in CBA/J Mice as Assessed by Comparison
with Bruton’s Tyrosine Kinase-Deficient CBA/N Mice
Noriko N. Miura, Motohiko Komai, Yoshiyuki Adachi, Naoki Osada, Yosuke Kameoka, Kazuo Suzuki,
and Naohito Obno

Differential Activation and Regulation of CXCR1 and CXCR2 by CXCL8 Monomer and Dimer
Mohd W. Nasser, Sandeep K. Raghuwanshi, Deloves J. Grant, Venkatakrishna R. Jala, Krishna Rajarathnam,
and Ricardo M. Richardson

Identification of Human Cathepsin G As a Functional Target of Boswellic Acids from the
Anti-Inflammatory Remedy Frankincense
Lars Tausch, Arne Henkel, Ulf Siemoneit, Daniel Pockel, Nicole Kather, Lutz Franke, Bettina Hofmann,
Gisbert Schneider, Carlo Angioni, Gerd Geisslinger, Carsten Skarke, Wolfgang Holtheimer, Tobias Beckhaus, Michael Karas,
Johann Jauch, and Oliver Werz

Impaired Lung Dendritic Cell Migration and T Cell Stimulation Induced by Immunostimulatory
Oligonucleotides Contribute to Reduced Allergic Airway Inflammation
Hannelore Constabel, Metodi V. Stankov, Christina Hartwig, Thomas Tschernig, and Georg M. N. Behrens

Targeting Gut T Cell Ca$^{2+}$ Release-Activated Ca$^{2+}$ Channels Inhibits T Cell Cytokine Production and
T-Box Transcription Factor T-Bet in Inflammatory Bowel Disease
Antonio Di Sabatino, Laura Rovedatti, Rebinder Kaur, Jonathan P. Spencer, Jon T. Brown, Valerie D. Morisset,
Paolo Biancheri, Nicholas A. B. Leakey, Jonathan I. Wilde, Laurie Scott, Gino R. Corazza, Kevin Lee,
Neel Sengupta, Charles H. Knowles, Martin J. Gunthorpe, Peter G. McLean, Thomas T. MacDonald,
and Laurens Kruidenier

Monocyte Chemoattractant Protein-1 (MCP-1), Not MCP-3, Is the Primary Chemokine Required for
Monocyte Recruitment in Mouse Peritonitis Induced with Thioglycollate or Zymosan A
Munehisa Takahashi, Carole Galligan, Lino Tessarollo, and Teizo Yoshimura

Lymphocytes in the Development of Lung Inflammation: A Role for Regulatory CD4$^+$ T Cells in
Indirect Pulmonary Lung Injury
Fabienne Venet, Chun-Shiang Chung, Xin Huang, Joanne Lomas-Neira, Yaping Chen, and Alfred Ayala

CLINICAL IMMUNOLOGY

Stimulatory and Inhibitory Killer Ig-Like Receptor Molecules Are Expressed and Functional on Lupus T
Cells
Dhiman Basu, Ying Liu, Ailing Wu, Suchma Yarlagadda, Gabriela J. Gorelik, Mariana J. Kaplan, Anura Hewagama,
Robert C. Hinderer, Faith M. Strickland, and Bruce C. Richardson

γ-Aminobutyric Acid Transporter 1 Negatively Regulates T Cell Activation and Survival through Protein
Kinase C-Dependent Signaling Pathways
Ying Wang, Qingqiong Luo, Yan Xu, Dechun Feng, Jian Fei, Qi Cheng, and Lingyan Xu

Mannose-Binding Lectin (MBL) Substitution: Recovery of Opsonic Function In Vivo Lags behind MBL
Serum Levels
Nannette Brouwer, Florine N. J. Francking, Marianne D. van de Wetering, Michel van Houw, Margreet Hart,
Ilona Kleine Budde, Paul F. W. Strengers, Inga Laursen, Gunnar Honsen, Dirk Roos, Jens C. Jensenius, Huib N. Caron,
Koert M. Dolman, and Taco W. Kuipers

Genetic Complementation Results in Augmented Autoantibody Responses to
Lupus-Associated Antigens
Davis L. Sim, Harini Bagavant, Yogesh M. Scindia, Yan Ge, Felicia Gaskin, Shu Man Fu,
and Umesh S. Deshmukh

Autoantibodies against Complement C1q Specifically Target C1q Bound on Early
Apoptotic Cells
Cornelia Bigler, Monica Schaller, Iryna Perabud, Michael Osthoff, and Marten Trendelenburg
HLA-DR Alleles in Amyloid β-Peptide Autoimmunity: A Highly Immunogenic Role for the DRB1*1501 Allele
Victor Zota, Anna Nemirovsky, Rona Baron, Yair Fisher, Dennis J. Selkoe, Daniel M. Altmann, Howard L. Weiner, and Alon Monsonego

HLA-DQB1*0602 Determines Disease Susceptibility in a New “Humanized” Multiple Sclerosis Model in HLA-DR15 (DRB1*1501;DQB1*0602) Transgenic Mice
Nathali Kaushansky, Daniel M. Altmann, Stephanie Ascough, Chella S. David, Hans Lassmann, and Avraham Ben-Nun

The MHC Haplotype H2b Converts Two Pure Nonlupus Mouse Strains to Producers of Antinuclear Antibodies
Kristian Hannestad and Helge Scott

CORRECTIONS

AUTHOR INDEX