This information is current as of July 16, 2017.
IN THIS ISSUE

379 Neutrophils Change with the Times  See article p. 458
Old Genes Find a New Purpose  See article p. 501
Switching Akt Substrate Specificity Shifts Splicing  See article p. 589
Mycobacterium tuberculosis Clearance Trumpe by T Cell IL-10  See article p. 613
Biased BCRs in Celiac Disease  See article p. 782

LETTERS TO THE EDITOR

381 Comment on “DNA Repair Interacts with Autophagy To Regulate Inflammatory Responses to Pulmonary Hyperoxia”
Ulaganathan Mahalirajan and Vijay Elakya Vijayakumar

381 Response to Comment on “DNA Repair Interacts with Autophagy To Regulate Inflammatory Responses to Pulmonary Hyperoxia”
Yan Ye, Ping Lin, Weidong Zhang, Shirui Tan, Xikun Zhou, Rongpeng Li, Qingin Pu, Jonathan L. Koff, Archana Dhasarathy, Feng Ma, Xin Deng, Jianxin Jiang, and Min Wu

BRIEF REVIEWS

383 Of Mice, Dirty Mice, and Men: Using Mice To Understand Human Immunology
David Masopust, Christine P. Sivula, and Stephen C. Jameson

CUTTING EDGE

391 Cutting Edge: Active TGF-β1 Released from GARP/TGF-β1 Complexes on the Surface of Stimulated Human B Lymphocytes Increases Class-Switch Recombination and Production of IgA
Olivier Dedobbeleer, Julie Stockis, Bas van der Woning, Pierre G. Coulie, and Sophie Lucas

397 Cutting Edge: Activation of STING in T Cells Induces Type I IFN Responses and Cell Death
Bridget Larkin, Vladimir Ilyakha, Maxim Sorokin, Anton Buzdin, Edouard Vannier, and Alexander Poltorak
ALLERGY AND OTHER HYPERSENSITIVITIES

Cutting Edge: The Aging Immune System Reveals the Biological Impact of Direct Antigen Presentation on CD8 T Cell Responses
Jennifer L. Uhrlaub, Megan J. Smithey, and Janko Nikolich-Zugich

Lipopolysaccharide/TLR4 Stimulates IL-13 Production through a MyD88-BLT2–Linked Cascade in Mast Cells, Potentially Contributing to the Allergic Response
A-Jin Lee, Myungja Ro, Kyung-Jin Cho, and Jae-Hong Kim

ANTIGEN RECOGNITION AND RESPONSES

Crucial Role for Immune Complexes but Not FcRn in Immunization against Anti–TNF-α Antibodies after a Single Injection in Mice
Christophe Arnoult, Guillaume Brachet, Diana Cadena Castaneda, Nicolas Azzopardi, Christophe Pasot, Celine Desvignes, Gilles Paintaud, Nathalie Henzi-Vourch, Hervé Wattier, and Valérie Gouilleux-Gruart

AUTOIMMUNITY

Metabolic Reprogramming Commits Differentiation of Human CD27+IgD+ B Cells to Plasmablasts or CD27+IgD− Cells
Masataka Torigoe, Shigeru Iwata, Shingo Nakayamada, Kei Sakata, Mingzeng Zhang, Maiko Hajime, Yusuke Miyazaki, Manabu Narisawa, Koji Ishii, Hirotaka Shibata, and Yoshiba Tanaka

EBV Infection Empowers Human B Cells for Autoimmunity: Role of Autophagy and Relevance to Multiple Sclerosis
Elena Morandi, S. Anwar Jagessar, Bert A. ’t Hart, and Bruno Gran

Activated B Cells Participating in the Anti-Myelin Response Are Excluded from the Inflamed Central Nervous System in a Model of Autoimmunity that Allows for B Cell Recognition of Autoantigen
Yodit Tesfagiorgis, Sarah L. Zhu, Rajiv Jain, and Steven M. Kerfoot

Neutrophils Slow Disease Progression in Murine Lupus via Modulation of Autoreactive Germinal Centers
Anna K. Bird, Martin Chang, Jennifer Barnard, Bruce I. Goldman, Nida Meednu, Javier Rangel-Moreno, and Jennifer H. Anolik

CLINICAL AND HUMAN IMMUNOLOGY

Enrichment of Human CCR6+ Regulatory T Cells with Superior Suppressive Activity in Oral Cancer
Jang-Jaer Lee, Kung-Chi Kao, Yen-Ling Chiu, Chiau-Jing Jung, Chung-Ji Liu, Shih-Jung Cheng, Yen-Liang Chang, Jenq-Yuh Ko, and Jean-San Chia

T Cell Transcriptomes from Paroxysmal Nocturnal Hemoglobinuria Patients Reveal Novel Signaling Pathways
Kohbi Hosokawa, Sachiko Kajigaya, Keyvan Keyvanfar, Wangmin Qiao, Yanding Xie, Danielle M. Townsley, Xingmin Feng, and Neal S. Young

IMMUNE REGULATION

A Nonadjuvanted IgG2a Monoclonal Antibody against Nucleosomes Elicits Potent T Cell–Dependent, Idiotype-Specific IgG1 Responses and Glomerular IgG1/IgG2a Deposits in Normal Mice
Kristian Hannestad and Helge Scott

Hox5 Paralogous Genes Modulate Th2 Cell Function during Chronic Allergic Inflammation via Regulation of Gata3
Catherine Ptaschinski, Steven M. Hrycaj, Matthew A. Schaller, Deneen M. Wellick, and Nicholas W. Lukacs

STAT1 Represses Cytokine-Producing Group 2 and Group 3 Innate Lymphoid Cells during Viral Infection
Antigen Availability and DOCK2-Driven Motility Govern CD4⁺ T Cell Interactions with Dendritic Cells In Vivo
Markus Ackerknecht, Kathrin Gollmer, Philipp Germann, Xenia Ficht, Jun Abe, Yoshinori Fukui, Jim Swoger, Jorge Ripoll, James Sharpe, and Jens V. Stein

Surface LAMP-2 Is an Endocytic Receptor That Diverts Antigen Internalized by Human Dendritic Cells into Highly Immunogenic Exosomes
Dario Armando Leone, Andrea Peschel, Markus Brown, Helga Schachner, Miriam J. Ball, Marianna Gyurazsova, Ulrike Salzer-Muhar, Minoru Fukuda, Caterina Vizzardelli, Barbara Bohle, Andrew J. Rees, and Renate Kain

Profiles of Long Noncoding RNAs in Human Naive and Memory T Cells
Charles F. Sparlock, III, Guzel Shaginurova, John T. Tosberg, Jonathan D. Hester, Nathaniel Chapman, Yan Guo, Philip S. Crooke, III, and Thomas M. Aune

A Distinct Inhibitory Function for miR-18a in Th17 Cell Differentiation
Misty M. Montoya, Julia Maul, Priti B. Singh, Heather H. Pua, Frank Dahlström, Nanyan Wu, Xiaozhu Huang, K. Mark Ansel, and Dirk Baumjohann

Loss of IP₃ Receptor–Mediated Ca²⁺ Release in Mouse B Cells Results in Abnormal B Cell Development and Function
Huayuan Tang, Hong Wang, Qingsong Liu, Feifei Fan, Fei Zhang, Xiaohong Peng, Xi Fang, Jie Liu, and Kunfu Ouyang

Cytoplasmic Form of Celfr IncRNA Facilitates Inflammatory Gene Expression upon NF-κB Activation
Ainara Castellanos-Rubio, Radomir Kratchmarov, Maialien Sebastian, Koldo Garcia-Etxebarria, Liher Garcia, Itziar Irazoza, and Sankar Ghosh

TCR Signal Strength Regulates Akt Substrate Specificity To Induce Alternate Murine Th and T Regulatory Cell Differentiation Programs
William F. Hawse, William C. Boggess, and Penelope A. Morel

T Cell–Mediated Humoral Immune Responses to Type 3 Capsular Polysaccharide of Streptococcus pneumoniae
Dustin R. Middleton, Lina Sun, Amy V. Paschall, and Fikri Y. Avci

Varicella-Zoster Virus–Specific Cellular Immune Responses to the Live Attenuated Zoster Vaccine in Young and Older Adults
Adriana Weinberg, Jennifer Canniff, Nadine Roupaha, Aneesh Mehta, Mark Mulligan, Jennifer A. Whitaker, and Myron J. Levin

T Cell–Derived IL-10 Impairs Host Resistance to Mycobacterium tuberculosis Infection
Lucia Moreira-Teixeira, Paul S. Redford, Evangelos Stavropoulos, Nico Ghilardi, Craig L. Maynard, Casey T. Weaver, Ana Paula Freitas do Rosário, Xueimei Wu, Jean Langhorne, and Anne O’Garra

Caspofungin Increases Fungal Chitin and Eosinophil and γδ T Cell–Dependent Pathology in Invasive Aspergillosis
Nanzalfam Anarsaikhan, Ethan M. Sands, Anand Shah, Ali Abdulraouf, Anna Reed, James E. Slaven, Darius Armstrong-James, and Steven P. Templeton

Elimination of Babesia microti Is Dependent on Intraerythrocytic Killing and CD4⁺ T Cells
Sini Skariah, Paul Arnaboldi, Raymond J. Dattwyler, Ali A. Sultan, Corey Gayles, Odaelys Walwyn, Hannah Mulhall, Xia Wu, Soha R. Dargham, and Dana G. Mordue

T Cell–Restricted Notch Signaling Contributes to Pulmonary Th1 and Th2 Immunity during Cryptococcus neoformans Infection
Lori M. Neal, Yafeng Qiu, Jooho Chung, Enze Xing, Woosung Cho, Antoni N. Malachowski, Ashley R. Sandy-Sloat, John J. Osterholzer, Ivan Maillard, and Michal A. Olizewski
Antibody-Dependent NK Cell Activation Differentially Targets EBV-Infected Cells in Lytic Cycle and Bystander B Lymphocytes Bound to Viral Antigen–Containing Particles

INNATE IMMUNITY AND INFLAMMATION

ADAM10-Interacting Tetraspanins Tspan5 and Tspan17 Regulate VE-Cadherin Expression and Promote T Lymphocyte Transmigration

Sphingosine 1-Phosphate Lyase Enhances the Activation of IKKε To Promote Type I IFN–Mediated Innate Immune Responses to Influenza A Virus Infection

Monitoring C3aR Expression Using a Floxed tdTomato-C3aR Reporter Knock-in Mouse

IL-17 Receptor A Maintains and Protects the Skin Barrier To Prevent Allergic Skin Inflammation

B-1a Cells Protect Mice from Sepsis: Critical Role of CREB

MUCOSAL IMMUNOLOGY

TLR9 Regulates the NF-κB–NLRP3–IL-1β Pathway Negatively in Salmonella-Induced NKG2D-Mediated Intestinal Inflammation

SYSTEMS IMMUNOLOGY

Bacterial and Viral Products Affect Differential Pattern Recognition Receptor Activation of Chicken Thrombocytes Evidenced through RNA Sequencing

High-Throughput Single-Cell Analysis of B Cell Receptor Usage among Autoantigen-Specific Plasma Cells in Celiac Disease

TRANSPLANTATION

Characterization of High-Avidity Cytomegalovirus-Specific T Cells with Differential Tetramer Binding Coappearing after Allogeneic Stem Cell Transplantation
NOVEL IMMUNOLOGICAL METHODS

806  Positron Emission Tomography Imaging of Macaques with Tuberculosis Identifies Temporal Changes in Granuloma Glucose Metabolism and Integrin α4β1–Expressing Immune Cells

816  Dimeric Fcγ Receptor Enzyme-Linked Immunosorbent Assay To Study HIV-Specific Antibodies: A New Look into Breadth of Fcγ Receptor Antibodies Induced by the RV144 Vaccine Trial

827  AUTHOR INDEX