This information is current as of April 12, 2017.

Subscription Information about subscribing to The Journal of Immunology is online at: http://jimmunol.org/subscription

Permissions Submit copyright permission requests at: http://www.aai.org/About/Publications/JI/copyright.html

Email Alerts Receive free email-alerts when new articles cite this article. Sign up at: http://jimmunol.org/alerts
3557  IN THIS ISSUE

LETTERS TO THE EDITOR
3559  Comment on “Impaired Priming and Activation of the Neutrophil NADPH Oxidase in Patients with IRAK4 or NEMO Deficiency”
Paolo Ruggero Errante, Carolina Prando, Jacinta Bustamante, Walmir Cutrin Aragão Filho, Paulo Vitor Soelio Pereira, Jusara Rehder, Jean Laurent Casanova, Peter Newburger, and Antônio Condino Neto
3559  Comment on “Spontaneous Autoimmunity Sufficiently Potent to Induce Diabetes Mellitus Is Insufficient to Protect against Insulinoma”
Dan E. H. Andersson and Åke Sjöholm
3560  Response to Comment on “Spontaneous Autoimmunity Sufficiently Potent to Induce Diabetes Mellitus Is Insufficient to Protect against Insulinoma”
Oliver F. Bathe and Christa Chatten

BRIEF REVIEWS
3561  B Cell Receptor and BAFF Receptor Signaling Regulation of B Cell Homeostasis
Wasif N. Khan

CUTTING EDGE
3569  Cutting Edge: Stealth Influenza Virus Replication Precedes the Initiation of Adaptive Immunity
Bruno Moltedo, Carolina B. Lópex, Michael Pazos, Maria Inês Becker, Tamar Hermesh, and Thomas M. Moran
3574  Cutting Edge: TGF-β1 and IL-15 Induce FOXP3+ γδ Regulatory T Cells in the Presence of Antigen Stimulation
Rita Caeteti, Chiara Agrati, Marianne Wallace, Alessandra Sacchi, Federico Martini, Angelo Martino, Alessandra Rinaldi, and Miroslav Malkovsky
3578  Cutting Edge: Candida albicans Hyphae Formation Triggers Activation of the Nlrp3 Inflammasome
Sophie Joly, Ning Ma, Jeffrey J. Sudler, David R. Soll, Suzanne L. Causer, and Fayyaz S. Sutterwala

On the cover: Zebrafish embryo, 36 h post-fertilization, double in situ hybridization for tcl1a (blue) and flil (brown). TC1(C8orf4) is a novel regulator of endothelial inflammation among vertebrates. Zebrafish has two homologs, tcl1a and tcl1b. In embryos, tcl1a is mostly expressed in developing blood vessels showing flil and in the brain. Hematopoietic precursor cells express tcl1b. Kim J., Y. Kim, H.-T. Kim, D. W. Kim, Y. Ha, J. Kim, C.-H. Kim, I. Lee, and K. Song. 2009. TC1(C8orf4) is a novel endothelial inflammatory regulator enhancing NF-κB activity. J. Immunol 183: 3996-4002.
CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

3583 Immune Suppressive Activity and Lack of T Helper Differentiation Are Differentially Regulated in Natural Regulatory T Cells
Wei-ping Zeng, Chawishang Chang, and Jiann-jyh Lai

3591 IL-33 Activates Unprimed Murine Basophils Directly In Vitro and Induces Their In Vivo Expansion Indirectly by Promoting Hematopoietic Growth Factor Production
Elke Schneider, Anne-France Petit-Bertron, Rachel Bricard, Mélanie Levasseur, Abdelrauf Ramadan, Jean-Philippe Girard, André Herbelin, and Michel Dy

3598 Novel Human Interleukin-15 Agonists
Xiaoyun Zhu, Warren D. Marcus, Wenxin Xu, Hyung-il Lee, Kaiping Han, Jack O. Egan, Jason L. Yovandich, Peter R. Rhone, and Hing C. Wong

3608 An Accessory Role for B Cells in the IL-12-Induced Activation of Resting Mouse NK Cells
Evette A. Haddad, Laura K. Senger, and Fumio Tukei

3616 A CD26-Controlled Cell Surface Cascade for Regulation of T Cell Motility and Chemokine Signals
Zhiwen Liu, Marta Christensson, Anna Forslow, Ingrid De Meester, and Karl-Gösta Sundquist

3625 Early Triggering of Exclusive IFN-γ Responses of Human Vγ9Vδ2 T Cells by TLR-Activated Myeloid and Plasmacytoid Dendritic Cells
Marie-Claire Devidier, Sophie Allain, Christelle Douzet, Marc Bonneville, and Emmanuel Scotet

3634 TLR3-Stimulated Dendritic Cells Up-regulate B7-H1 Expression and Influence the Magnitude of CD8 T Cell Responses to Tumor Vaccination
Vesna Palko, Xin Liu, Christopher J. Kreo, Kimberly J. Harris, Xavier Frigola, Eugene D. Kwon, and Haidong Dong

3642 MyD88 Adaptor-Like Is Not Essential for TLR2 Signaling and Inhibits Signaling by TLR3

3652 SHIP Represses the Generation of IL-3-Induced M2 Macrophages by Inhibiting IL-4 Production from Basophils
Etsushi Kuroda, Victor Ho, Jens Ruschmann, Frann Antignano, Melisa Hamilton, Michael J. Raub, Andrey Antov, Richard A. Flavell, Laura M. Sly, and Gerald Krystal

3661 CD21/35 Promotes Protective Immunity to Streptococcus pneumoniae through a Complement-Independent but CD19-Dependent Pathway That Regulates PD-1 Expression
Karen M. Haas, Jonathan C. Poe, and Thomas F. Tedder

3672 Estrogen Controls Vitamin D3-Mediated Resistance to Experimental Autoimmune Encephalomyelitis by Controlling Vitamin D3 Metabolism and Receptor Expression
Faye E. Nasbold, Karen M. Spach, Justin A. Spantier, and Colleen E. Hayes

3682 Disruption of TGF-β Signaling Prevents the Generation of Tumor-Sensitized Regulatory T Cells and Facilitates Therapeutic Antitumor Immunity
Ulf Petrausch, Shawn M. Jensen, Christopher Twitty, Christian H. Poehlein, Daniel P. Haley, Edwin B. Walker, and Bernard A. Fox

3690 XBP-1-Deficient Plasmablasts Show Normal Protein Folding but Altered Glycosylation and Lipid Synthesis
Annette M. McGhee, Stephanie K. Douglas, Elizabeth J. Klemm, Guanghui Shui, Boyoun Park, You-Me Kim, Nicki Watson, Markus R. Wenk, Hidde L. Ploegh, and Chih-Chi Andrew Hu

3700 Kinin Danger Signals Proteolytically Released by Gingipain Induce Fimbriae-Specific IFN-γ- and IL-17-Producing T Cells in Mice Infected Intramuscularly with Porphyromonas gingivalis
Ana Carolina Monteiro, Aline Scavino, Susane Raposo, Vinicius Musa Gaze, Catia Cruz, Erik Svensjö, Marcelo Sampaiao Narciso, Ana Paula Colombo, João B. Pesquero, Eduardo Feres-Filho, Ky-Anh Nguyen, Aneta Sroka, Jan Potempa, and Julio Scharfstein

3712 Inflammatory Regulation by TLR3 in Acute Hepatitis
Xiaoyan Xiao, Peng Zhao, Daniel Rodriguez-Pinto, Dake Qi, Octavian Henegariu, Lena Alexopoulou, Richard A. Flavell, F. Susan Wong, and Li Wen
Expression of IgM, IgD, and IgY in a Reptile, *Anolis carolinensis*
Zhiguo Wei, Qian Wu, Liming Ren, Xiaoxiang Hu, Ying Guo, Gregory W. Warr, Lennart Hammarström, Ning Li, and Yaofeng Zhao

A Cell-Intrinsic Role for Mst1 in Regulating Thymocyte Egress
Yongli Dong, Xingrong Du, Jian Ye, Min Han, Tian Xu, Yuan Zhuang, and Wufan Tao

**IMMUNOGENETICS**

- β-Catenin/Tcf Determines the Outcome of Thymic Selection in Response to αβ TCR Signaling
  Damian Kovalovsky, Yu Yu, Marei Dose, Anastasia Emmanoulidou, Tassos Konstantinou, Kristine Gerner, Katayoun Aghajani, Zhuyan Guo, Malay Mandal, and Fotini Gounari

**HOST DEFENSE**

- Galactoxylomannan-Mediated Immunological Paralysis Results from Specific B Cell Depletion in the Context of Widespread Immune System Damage
  Magdia De Jesus, André Moraes Nicola, Susana Fraes, Ian R. Lee, Steven Mieses, and Arturo Casadevall

- Persistent Viral Infection Elevates Central Nervous System MHC Class I through Chronic Production of Interferons
  Phi Truong, Sara Heydari, Lucile Garidou, and Dorian B. McGavern

- Disruption of Th2 Immunity Results in a Gender-Specific Expansion of IL-13 Producing Accessory NK Cells during Helminth Infection
  Matthew R. Hepworth and Richard K. Gencis

- Tuberculosis-Associated Immune Restoration Syndrome in HIV-1-Infected Patients Involves Tuberculin-Specific CD4 Th1 Cells and KIR-Negative γδ T Cells
  Anne Bourgarit, Guislaine Carcelain, Assia Samri, Christophe Parizot, Mathieu Lafaurie, Sophie Abgrall, Veronique Delcey, Eric Vicaud, Daniel Sereni, Brigitte Astran, and the PARADOX Study Group

- The Two Groups of Zebrafish Virus-Induced Interferons Signal via Distinct Receptors with Specific and Shared Chains
  Dina Aggad, Martine Mazel, Pierre Boudinot, Knud Erik Mogensen, Ole Jensen Hamming, Rune Hartmann, Sergei Kotenko, Philippe Herbomel, Georges Lutfalla, and Jean-Pierre Levraud

- CD4⁺ T Cell Help Has an Epitope-Dependent Impact on CD8⁺ T Cell Memory Inflation during Murine Cytomegalovirus Infection
  Christopher M. Snyder, Andrea Loewendorf, Elizabeth L. Bonnett, Michael Croft, Chris A. Benedict, and Ann B. Hill

**INFLAMMATION**

- Eosinophil Cationic Protein (ECP) Is Processed during Secretion
  Charlotte Woiwodnigg, Jenny Rubin, and Per Venge

- ERK and Not p38 Pathway Is Required for IL-12 Restoration of T Cell IL-2 and IFN-γ in a Rodent Model of Alcohol Intoxication and Burn Injury
  Xiaoling Li, Irshad H. Chaudry, and Mashkoor A. Choudhry

- Regulation of Murine Splenic B Cell CR3 Expression by Complement Component 3
  Amanda C. Jacobson, Kirstin M. Roundy, Janis J. Weis, and John H. Weis

- Deficiency of Endothelial Heparan Sulfates Attenuates Allergic Airway Inflammation
  Riaz I. Zuberi, Xiao Na Ge, Shuxia Jiang, Nooshin S. Bahaie, Bit Na Kang, Reza M. Hoseinkhani, Elizabeth M. Frenzel, Mark M. Faster, Jeffrey D. Eisco, Savita P. Rao, and P. Sriramarao
Both Complement and IgG Fc Receptors Are Required for Development of Attenuated Antiglomerular Basement Membrane Nephritis in Mice
Marielle A. Otten, Tom W. L. Groeneveld, Roelof Flierman, Maria Pia Rastaldi, Leendert A. Trouw, Maria C. Faber-Krol, Annemieke Visser, Maria C. Essers, Jill Claassens, J. Sjef Verheek, Cees van Kooten, Anja Roos, and Mohamed R. Daha

TRIL, a Functional Component of the TLR4 Signaling Complex, Highly Expressed in Brain

TC1(C8orf4) Is a Novel Endothelial Inflammatory Regulator Enhancing NF-κB Activity
Jungtae Kim, Yunlim Kim, Hyun-Taek Kim, Dong Wook Kim, Yunhi Ha, Jihun Kim, Cheol-Hee Kim, In-chul Lee, and Kyuyoung Song

Inflammatory Role of ASC in Antigen-Induced Arthritis Is Independent of Caspase-1, NALP-3, and IPAF

Eosinophil Ribonucleases and Their Cutaneous Lesion-Forming Activity

Externalization of the Leaderless Cytokine IL-1F6 Occurs in Response to Lipopolysaccharide/ATP Activation of Transduced Bone Marrow Macrophages
Unja Martin, John Scholler, Jesse Gurgel, Blair Renshaw, John E. Sins, and Christopher A. Gabel

A Pivotal Role of Endothelial-Specific NF-κB Signaling in the Pathogenesis of Septic Shock and Septic Vascular Dysfunction
Jianqiang Ding, Dongmei Song, Xiaobing Ye, and Shu Fang Liu

Complement C3a Regulates Late Asthmatic Response and Airway Hyperresponsiveness in Mice
Nobuki Mizutani, Takeshi Nabe, and Shin Yoshino

Neutrophil-Derived Hyperresistinemia in Severe Acute Streptococcal Infections
Linda Johansson, Anna Linneér, Jonas Sundén-Cullberg, Axana Hagger, Heiko Herwald, Karin Löré, Carl-Johan Treutiger, and Anna Norrby-Teglund

Site-Specific Carboxypeptidase B1 Tyrosine Nitration and Pathophysiological Implications following Its Physical Association with Nitric Oxide Synthase-3 in Experimental Sepsis
Saurabh Chatterjee, Olivier Lardinois, Marcelo G. Bonini, Suchandra Bhattacharjee, Kristian Stadler, Jean Corbett, Leesa J. Deterding, Kenneth B. Tomer, Maria Kadiiska, and Ronald P. Mason

Clinical Immunology

Age-Dependent B Cell Autoimmunity to a Myelin Surface Antigen in Pediatric Multiple Sclerosis

Expression of Tolerance Associated Gene-1, a Mitochondrial Protein Inhibiting T Cell Activation, Can Be Used to Predict Response to Immune Modulating Therapies
Kathrin Keeren, Marko Friedrich, Inga Gebühr, Sandra Philipp, Robert Sabat, Wolfram Sterry, Christine Brandt, Christian Meisel, Gerald Grütz, Hans-Dieter Volk, and Birgit Sawitzki

A Novel Humanized Neonatal Autoimmune Blistering Skin Disease Model Induced by Maternally Transferred Antibodies

Direct Expansion of Human Allospecific FoxP3+CD4+ Regulatory T Cells with Allogeneic B Cells for Therapeutic Application
Leo C. Chen, Julio C. Delgado, Peter E. Jensen, and Xinjian Chen
Chronic Human Infection with *Trypanosoma cruzi* Drives CD4<sup>+</sup> T Cells to Immune Senescence

María Cecilia Albareda, Gabriela Carina Olivera, Susana A. Laucella, María Gabriela Álvarez, Esteban Rodrigo Fernandez, Bruno Lococo, Rodolfo Viotti, Rick L. Tarleton, and Miriam Postan

Resident Dendritic Cells Prevent Postischemic Acute Renal Failure by Help of Single Ig IL-1 Receptor-Related Protein

Maciej Lech, Alejandro Avila-Ferrufino, Ramanjaneyulu Allam, Stephan Segerer, Alexander Khandoga, Fritz Krombach, Cecilia Garlanda, Alberto Mantovani, and Hans-Joachim Anders

De Novo Generation and Enhanced Suppression of Human CD4<sup>+</sup>CD25<sup>+</sup> Regulatory T Cells by Retinoic Acid

Jun Wang, Tom W. J. Huizinga, and Rene E. M. Toes

Therapeutic Antibody Targeting of CD97 in Experimental Arthritis: the Role of Antigen Expression, Shedding, and Internalization on the Pharmacokinetics of Anti-CD97 Monoclonal Antibody 1B2

Dorien M. de Groot, Gerard Vogel, John Dulos, Leonie Teeuwen, Karin Stebbins, Jörg Hamann, Bronwyn M. Owens, Hans van Eenennaam, Ebo Bos, and Annemieke M. Boots

CORRECTIONS

AUTHOR INDEX