178 (12)

J Immunol 2007; 178:7499-8221; ;
http://www.jimmunol.org/content/178/12

This information is current as of May 1, 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
7499 IN THIS ISSUE

LETTERS TO THE EDITOR

7501 Comment on “A Novel Pathway that Regulates Inflammatory Disease in the Respiratory Tract”
Chris L. Van Hove, Tania Maes, Guy F. Joos, and Kurt G. Tournoy

7501 Response to Comment on “A Novel Pathway That Regulates Inflammatory Disease in the Respiratory Tract”
Naiqian Niu and Lauren Cohn

BRIEF REVIEWS

7503 The Innate Immune System in Allograft Rejection and Tolerance
David F. LaRosa, Adeeb H. Rahman, and Laurence A. Turka

7511 Cutting Edge: Transitional T3 B Cells Do Not Give Rise to Mature B Cells, Have Undergone Selection, and Are Reduced in Murine Lupus
Brittany N. Teague, Yujun Pan, Philip A. Mudd, Britt Nakken, Qingzhao Zhang, Peter Szodoray, Xana Kim-Howard, Patrick C. Wilson, and A. Darise Farris

7516 Cutting Edge: Essential Role of Hypoxia Inducible Factor-1α in Development of Lipopolysaccharide-Induced Sepsis
Carole Peyssonnaux, Pilar Cezudo-Martin, Andrew Doedens, Annelies S. Zinkernagel, Randall S. Johnson, and Victor Nizet

7520 Cutting Edge: A Common Polymorphism Impairs Cell Surface Trafficking and Functional Responses of TLR1 but Protects against Leprosy
Christopher M. Johnson, Elizabeth A. Lyle, Katherine O. Omueti, Vitaly A. Stepensky, Olcay Yegin, Erkan Alpsoy, Lutz Hamann, Ralf Schumann, and Richard I. Tapping

7525 Cutting Edge: Human Th17 Cells Are Identified as Bearing CCR2+CCR5− Phenotype
Wakiro Sato, Toshimasa Aranami, and Takashi Yamamura

Cellular Immunology and Immune Regulation

7531 TLR Stimulation Modifies BLyS Receptor Expression in Follicular and Marginal Zone B Cells
Laura S. Trend, Gianluca Carlesso, Kristen L. Hoek, Jason E. Stadanlick, Taku Kambayashi, Richard J. Bram, Michael P. Cancro, and Wasif N. Khan

7540 Type I IFN Contributes to NK Cell Homeostasis, Activation, and Antitumor Function
Jeremy B. Swann, Yoshihiro Hayakawa, Nadeen Zerafa, Kathleen C. F. Sheehan, Bernadette Scott, Robert D. Schreiber, Paul Hertzog, and Mark J. Smyth

7550 Agonist-Driven Development of CD4⁺CD25⁺Foxp3⁺ Regulatory T Cells Requires a Second Signal Mediated by Stat6
Vanessa Sanchez-Guajardo, Corinne Tanchot, John T. O’Malley, Mark H. Kaplan, Sylvie Garcia, and Antonio A. Freitas

7557 Rates of Processing Determine the Immunogenicity of Immunoproteasome-Generated Epitopes
Parampal Deol, Dietmar M. W. Zais, John J. Monaco, and Alice J. A. M. Sijts

7563 Persistent Depots of Influenza Antigen Fail To Induce a Cytotoxic CD8 T Cell Response
Dawn M. Jelley-Gibbs, John P. Dibble, Deborah M. Brown, Tara M. Strutt, K. Kai McKinstry, and Susan L. Swain

7571 Systemic Administration of IL-23 Induces Potent Antimicrobial Immunity Primarily Mediated through Th1-Type Response in Association with the Endogenously Expressed IL-12
Teruo Kaiga, Maritimo Sato, Hide Kaseda, Yoichiro Iwakura, Tadatoshi Takayama, and Hideaki Tahara

7581 A Novel Role of Complement Factor C1q in Augmenting the Presentation of Antigen Captured in Immune Complexes to CD8⁺ T Lymphocytes

7587 Uptake of Human Papillomavirus Virus-Like Particles by Dendritic Cells Is Mediated by Fcy Receptors and Contributes to Acquisition of T Cell Immunity
Diane M. Da Silva, Steven C. Fausch, J. Sjef Verbeek, and W. Martin Kast

7598 Impaired Accumulation of Antigen-Specific CD8 Lymphocytes in Chemokine CCL25-Deficient Intestinal Epithelium and Lamina Propria
Marc-André Wurzel, Marie Malissen, Delphine Guy-Grand, Bernard Malissen, and James J. Campbell

7607 IL-27 Synthesis Induced by TLR Ligation Critically Depends on IFN Regulatory Factor 3
Céline Molle, Muriel Nguyen, Véronique Flamand, Joelle Renneson, François Trottein, Dominique De Wit, Fabienne Willems, Michel Goldman, and Stanislas Goriely

7616 Disregulated Influenza A Virus-Specific CD8⁺ T Cell Homeostasis in the Absence of IFN-γ Signaling
Stephen J. Turner, Elvia Olivas, Astrid Gutierrez, Gabriela Diaz, and Peter C. Doherty

7623 Immunomodulatory Mediators from Pollen Enhance the Migratory Capacity of Dendritic Cells and License Them for Th2 Attraction
Valentina Mariani, Stefanie Gilles, Thilo Jakob, Martina Thiel, Martin J. Mueller, Johannes Ring, Heidrun Behrendt, and Claudia Traidl-Hoffmann

7632 Krüppel-Like Factor 2 Controls T Cell Trafficking by Activating L-Selectin (CD62L) and Sphingosine-1-Phosphate Receptor 1 Transcription
Ailin Bai, Hui Hu, Mandy Yeung, and Jianzhu Chen

7640 IL-21 Promotes Differentiation of Naive CD8 T Cells to a Unique Effector Phenotype
Kerry A. Casey and Matthew F. Mescher

7649 CD8⁺ T Cell-Mediated Suppression of Autoimmunity in a Murine Lupus Model of Peptide-Induced Immune Tolerance Depends on Foxp3 Expression
Ram Pyare Singh, Antonio La Cava, Matida Wong, Fanny Ebling, and Bevra H. Hahn

7658 Single-Stranded RNA Derived from HIV-1 Serves as a Potent Activator of NK Cells
Galit Alter, Todd J. Suscovich, Nicholas Teigen, Angela Meier, Hendrik Streeck, Christian Brander, and Marcus Altfeld

7667 A Kinetic and Dynamic Analysis of Foxp3 Induced in T Cells by TGF-β
Ramesh K. Selvaraj and Terrence L. Geiger
7678 Down-Regulation of E-Cadherin in Human Bronchial Epithelial Cells Leads to Epidermal Growth Factor Receptor-Dependent Th2 Cell-Promoting Activity
Irene H. Heijink, P. Marcel Kies, Henk F. Kauffman, Dirkje S. Postma, Antoon J. M. van Oosterhout, and Edo Vellenga

7686 Acute Alcohol Exposure Exerts Anti-Inflammatory Effects by Inhibiting IκB Kinase Activity and p65 Phosphorylation in Human Monocytes
Pranoti Mandrekar, Valentina Jeliazkova, Donna Catalano, and Gyongyi Szabo

7694 OX40-Mediated Differentiation to Effector Function Requires IL-2 Receptor Signaling but Not CD28, CD40, IL-12Rβ2, or T-bet
Cortney A. Williams, Susan E. Murray, Andrew D. Weinberg, and David C. Parker

7703 Tumor-Reactive CD4+ T Cell Responses to the Melanoma-Associated Chondroitin Sulphate Proteoglycan in Melanoma Patients and Healthy Individuals in the Absence of Autoimmunity
Cornelia Erfurt, Zhaojun Sun, Ina Haendle, Beatrice Schuler-Thurner, Carlo Heirman, Kris Thielemans, Pierre van der Bruggen, Gerold Schuler, and Erwin S. Schultz

7710 The Loss of Telomerase Activity in Highly Differentiated CD8+ CD28−CD27− T Cells Is Associated with Decreased Akt (Ser473) Phosphorylation
Fiona J. Plunkett, Ornella Franzese, Helene M. Finney, Jean M. Fletcher, Lavina L. Belaramani, Mike Salmon, Inderjeet Dokal, David Webster, Alastair D. G. Lawson, and Arne N. Akbar

7720 CD4+ T Cells from Simian Immunodeficiency Virus Disease-Resistant Sooty Mangabeys Produce More IL-2 Than Cells from Disease-Susceptible Species: Involvement of p300 and CREB at the Proximal IL-2 Promoter in IL-2 Up-Regulation
Pavel Bostik, Erika S. Noble, Susan T. Stephenson, Francois Villinger, and Aftab A. Ansari

7730 Phenotypic and Functional Effects of Heat Shock Protein 90 Inhibition on Dendritic Cell
Joeeun Bae, Constantin Mitisades, Yu-Tzu Tai, Robert Bertheau, Masood Shammas, Ramesh Babu Batchu, Cheng Li, Lawrence Catley, Rao Prabhala, Kenneth C. Anderson, and Nikhil C. Munshi

7738 Transcriptional Targeting of B Cells for Induction of Peripheral CD8 T Cell Tolerance
Melanie Werner-Klein, Christiane Dresch, Peggy Marconi, and Thomas Brocker

7747 Requirements for T Lymphocyte Migration in Explanted Lymph Nodes

7756 Availability of a Diversely Avid CD8+ T Cell Repertoire Specific for the Subdominant HLA-A2-Restricted HIV-1 Gag p2419-27 Epitope

7767 Negative Regulation of TCR Signaling by NF-κB2/p100
Diana Legarda-Addison and Adrian T. Ting

7779 TLR Agonists Selectively Promote Terminal Plasma Cell Differentiation of B Cell Subsets Specialized in Thymus-Independent Responses
Laurent Genestier, Morgan Taillardet, Paul Mondiere, Hanane Gheiti, Chantal Bella, and Thierry Defrance

7787 Small Rho GTPases Mediate Tumor-Induced Inhibition of Endocytic Activity of Dendritic Cells
Irina L. Tourkova, Galina V. Shurin, Sheng Wei, and Michael R. Shurin

7794 Exposure of Myeloid Dendritic Cells to Exogenous or Endogenous IL-10 during Maturation Determines Their Longevity
W. L. William Chang, Nicole Baumgarth, Meghan K. Eberhards, C. Y. Daniel Lee, Colin A. Baron, Jeff P. Gregg, and Peter A. Barry

7805 Immunomodulatory Effects of Viral TLR Ligands on Experimental Asthma Depend on the Additive Effects of IL-12 and IL-10
Serdar Sel, Michael Wegmann, Serper Sel, Stefan Bauer, Holger Garn, Gottfried Alber, and Harald Renz
HOST DEFENSE

7974 IL-10 Regulates Movement of Intestinally Derived CD4^+ T Cells to the Liver
Susan K. Bliss, Stuart P. Bliss, Daniel P. Beiting, Ana Alcaraz, and Judith A. Appleton

7984 Dendritic Cells Derived from Murine Colonic Mucosa Have Unique Functional and Phenotypic Characteristics
Shunsuke Takenaka, Ekaterina Safroneeva, Zhou Xing, and Jack Gauldie

7994 Lung Dendritic Cells Rapidly Mediate Anthrax Spore Entry through the Pulmonary Route
Aurélie Cleret, Anne Quesnel-Hellmann, Alexandra Vallon-Eberhard, Bernard Verrier, Steffen Jung, Dominique Vidal, Jacques Mathieu, and Jean-Nicolas Tournier

8002 Depletion of CD8^+ Cells in Sooty Mangabey Monkeys Naturally Infected with Simian Immunodeficiency Virus Reveals Limited Role for Immune Control of Virus Replication in a Natural Host Species
Ashley P. Barry, Guido Silvestri, Jeffrey T. Safrit, Beth Sumpter, Natalia Kozyr, Harold M. McClure, Silvioja I. Staprans, and Mark B. Feinberg

8013 Macrophage-Inflammatory Protein-3α Mediates Epidermal Growth Factor Receptor Transactivation and ERK1/2 MAPK Signaling in Caco-2 Colonic Epithelial Cells via Metalloproteinase-Dependent Release of Amphiregulin
Sarah Keates, Xinbing Han, Ciarán P. Kelly, and Andrew C. Keates

8022 The Nod-Like Receptor Family Member Naip5/Birc1e Restricts Legionella pneumophila Growth Independently of Caspase-1 Activation
Mohamed Lamkanfi, Anam Amer, Thirumala-Devi Kanneganti, Raúl Muñoz-Planillo, Grace Chen, Peter Vandenabeele, Anne Fortier, Philippe Gros, and Gabriel Núñez

8028 IL-10 Underlies Distinct Susceptibility of BALB/c and C57BL/6 Mice to Mycobacterium avium Infection and Influences Efficacy of Antibiotic Therapy
Susana Roque, Claudia Nobrega, Rui Appelberg, and Margarida Correia-Neves

8036 Leukotriene B_4 Triggers the In Vitro and In Vivo Release of Potent Antimicrobial Agents
Louis Flamand, Michel J. Tremblay, and Pierre Borgeat

8046 Human Neutrophil Defensins Increase Neutrophil Uptake of Influenza A Virus and Bacteria and Modify Virus-Induced Respiratory Burst Responses
Tesfaldet Tecle, Mitchell R. White, Don Gantz, Erika C. Crouch, and Kevan L. Hartshorn

INFLAMMATION

8053 Expression and Regulation of the Metalloproteinase ADAM-8 during Human Neutrophil Pathophysiological Activation and Its Catalytic Activity on L-Selectin Shedding
Maria Gómez-Gavirio, María Dominguez-Luis, Javier Canchado, Jero Calafat, Hans Jansen, Enrique Lara-Peatti, Anne Fourie, Antonio Tugores, Agustín Valenzuela-Fernández, Faustino Mollevedo, Francisco Sánchez-Madrid, and Federico Díaz-González

8064 Regulated Shedding of Transmembrane Chemokines by the Disintegrin and Metalloproteinase 10 Facilitates Detachment of Adherent Leukocytes
Christian Hundhausen, Alexander Schulte, Beate Schulz, Michael G. Andrzejewski, Nicole Schwarz, Philipp von Hundelshausen, Ulrike Winter, Krzysztof Paliga, Karina Reiss, Paul Saftig, Christian Weber, and Andreas Ludwig

8073 Long-Term Commitment to Inflammation-Seeking Homing in CD4^+ Effector Cells
Silke Jennrich, Boris A. Ratsch, Alf Hamann, and Uta Syrbe
Histamine 4 Receptor Activation Induces Recruitment of FoxP3+ T Cells and Inhibits Allergic Asthma in a Murine Model
Ross K. Morgan, Brian McAllister, Lillian Crou, Daniel S. Green, Hardy Kornfeld, David M. Center, and William W. Cruikshank

CD8+ T Cells Are Required for Inflammation and Destruction in Cigarette Smoke-Induced Emphysema in Mice
Toshihiko Maeno, A. McGarry Houghton, Pablo A. Quintero, Sandra Grumelli, Caroline A. Owen, and Steven D. Shapiro

Monocyte Chemoattractant Protein-1 Production by Intestinal Myofibroblasts in Response to Staphylococcal Enterotoxins: A Relevance to Staphylococcal Enterotoxigenic Disease

STAT1 Activation Causes Translocation of Bax to the Endoplasmic Reticulum during the Resolution of Airway Mucous Cell Hyperplasia by IFN-γ
Barbara A. Stout, Karla Melendez, JeanClare Seagrave, Michael J. Holzman, Bridget Wilson, Jialing Xiang, and Yohannes Tesfaigzi

TNF-α Inhibits Macrophage Clearance of Apoptotic Cells via Cytosolic Phospholipase A2 and Oxidant-Dependent Mechanisms
Kathleen McPhillips, William J. Janssen, Mounita Ghosh, Aideen Byrne, Sbyra Gardai, Linda Remigio, Donna L. Bratton, Jihee L. Kang, and Peter Henson

Identification of Ectonucleotidases CD39 and CD73 in Innate Protection during Acute Lung Injury
Tobias Eckle, Lars Fallbier, Manfred Wehrmann, Joseph Khowry, Michel Mittelbronn, Juan Ibla, Peter Roseberger, and Holger K. Eltschig

The Proinflammatory Effect of Prostaglandin E2 in Experimental Inflammatory Bowel Disease Is Mediated through the IL-23→IL-17 Axis
Amir F. Sheibanie, Jui-Hung Yen, Tanzyila Khayrullina, Frances Emig, Ming Zhang, Ronald Tuma, and Doina Ganea

Pulmonary Stromal-Derived Factor-1 Expression and Effect on Neutrophil Recruitment during Acute Lung Injury
Joseph M. Petty, Viranuj Sueblinvong, Christopher C. Lenox, Christine C. Jones, Gregory P. Cougroue, Carlyne D. Cool, Pradeep R. Rai, Kevin K. Brown, Daniel J. Weiss, Matthew E. Poynter, and Benjamin T. Suratt

Fibronectin- and Vitronectin-Induced Microglial Activation and Matrix Metalloproteinase-9 Expression Is Mediated by Integrins αvβ3 and αvβ5
Richard Milner, Stephen J. Crocker, Stephanie Hung, Xiaoyun Wang, Ricardo F. Frausto, and Gregory J. del Zoppo

Shiga Toxin Produced by Enterohemorrhagic Escherichia coli Inhibits PI3K/NF-κB Signaling Pathway in Globotriaosylceramide-3-Negative Human Intestinal Epithelial Cells
Alain P. Gobert, Marjolaine Vareille, Anne-Lise Glasier, Thomas Hindré, Thibaut de Sablet, and Christine Martin

IFN-γ-Induced Chemokines Synergize with Pertussis Toxin to Promote T Cell Entry to the Central Nervous System
Jason M. Millward, Maria Caruso, Iain L. Campbell, Jack Gauldie, and Trevor Owens

A Previously Unrecognized Protein-Protein Interaction between TWEAK and CD163: Potential Biological Implications
Laura C. Bover, Marina Cardo-Vila, Akihiko Kuniyasu, Jessica Sun, Roberto Rangel, Motohiro Takeya, Bharat B. Aggarwal, Wadih Arap, and Renata Pasqualini

**CLINICAL IMMUNOLOGY**

Characterization of Reciprocal Lmb1−4 Interval MRL-Faslp and C57BL/6-Faslp Congenic Mice Reveals Significant Effects from Lmb3
Marie-Laure Santiago-Raber, M. Katarina Haraldson, Argyrios N. Theofilopoulous, and Dwight H. Kono
Regulation of DMBT1 via NOD2 and TLR4 in Intestinal Epithelial Cells Modulates Bacterial Recognition and Invasion
Philip Rosenstiel, Christian Sina, Caroline End, Marcus Renner, Andreas Till, Stephan Hellmig, Susanna Nikolaus, Ulrich R. Fölsch, Burkhard Helmke, Frank Autschbach, Peter Schirmacher, Petra Kisslits, Matthias Hafner, Annemarie Poustka, Jan Mollenhauer, and Stefan Schreiber

Loss of Discrete Memory B Cell Subsets Is Associated with Impaired Immunization Responses in HIV-1 Infection and May Be a Risk Factor for Invasive Pneumococcal Disease
Melanie Hart, Alan Steel, Sally A. Clark, Graeme Moyle, Mark Nelson, Don C. Henderson, Robert Wilson, Frances Gotch, Brian Gazzard, and Peter Kelleher

Corrections

Author Index to Volume 178
Subject Index to Volume 178
AAI Membership Application
AAI Trainee Membership Application