This information is current as of April 18, 2017.

182 (1)

J Immunol 2009; 182:1-726; ;
http://www.jimmunol.org/content/182/1

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
IN THIS ISSUE

LETTERS TO THE EDITOR

Comment on “Cutting Edge: Inhibition of NF-κB-Mediated TSLP Expression by Retinoid X Receptor”  
Janine Gericke, Anat Gamlieli, Kathrin Weiss, and Ralph Rühl

Response to Comment on “Cutting Edge: Inhibition of NF-κB-Mediated TSLP Expression by Retinoid X Receptor”  
Steven F. Ziegler

PILLARS OF IMMUNOLOGY

The Surprising Discovery That TGFβ Specifically Induces the IgA Class Switch  
Janet Stavnezer and Joonsoo Kang

Robert L. Coffman, Deborah A. Lebman, and Barbara Shadrer

Eiichiro Sonoda, Ryoji Matsumoto, Yasumichi Hitoshi, Takehisa Ishii, Mineharu Sugimoto, Shukuro Araki, Akira Tominaga, Naoto Yamaguchi, and Kiyoshi Takatsu

BRIEF REVIEWS

Insights into the Role of STAT3 in Human Lymphocyte Differentiation as Revealed by the Hyper-IgE Syndrome  
Stuart G. Tangye, Matthew C. Cook, and David A. Fulcher

Cutting Edge

Cutting Edge: Antigen Presentation to CD8 T Cells after Influenza A Virus Infection  
Elizabeth Ingulli, Castle Funatake, Erica L. Jacovetty, and Maurizio Zanetti

Cutting Edge: Autoimmune Disease Risk Variant of STAT4 Confers Increased Sensitivity to IFN-α in Lupus Patients In Vivo
Silvia N. Kariuki, Kyriakos A. Kirou, Emma J. MacDermott, Lilliana Barillas-Arias, Mary K. Crow, and Timothy B. Niewold

Cutting Edge: Down-Regulation of MHC Class I-Related Chain A on Tumor Cells by IFN-γ-Induced MicroRNA
Deepak Yadav, Jennifer Ngolab, Rod Seung-Hwan Lim, Siddharth Krishnamurthy, and Jack D. Bui

Cutting Edge: Developmental Stage-Specific Recruitment of Cohesin to CTCF Sites throughout Immunoglobulin Loci during B Lymphocyte Development
Stephanie C. Degner, Timothy P. Wong, Gyrius Jankevicius, and Ann J. Feeney

Cutting Edge: The Metalloproteinase ADAM17/TNF-α-Converting Enzyme Regulates Proteolytic Shedding of the MHC Class I-Related Chain B Protein
Philippe Boutet, Sonia Aguera-Gonzalez, Susan Atkinson, Caroline J. Pennington, Dylan R. Edwards, Gillian Murphy, Hugh T. Reyburn, and Mar Valles-Gomez

CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

Activated Human Neonatal CD8+ T Cells Are Subject to Immunomodulation by Direct TLR2 or TLR5 Stimulation
Mark McCarron and Denis J. Reen

Identification and Characterization of a Transmembrane Isoform of CD160 (CD160-TM), a Unique Activating Receptor Selectively Expressed upon Human NK Cell Activation
Jerome Giustiniani, Armand Bensussan, and Anne Marie-Cardine

Airway Epithelial Cells Regulate the Functional Phenotype of Locally Differentiating Dendritic Cells: Implications for the Pathogenesis of Infectious and Allergic Airway Disease
Angela Rate, John W. Upham, Anthony Bosco, Kathy L. McKenna, and Patrick G. Holt

App1: An Antiphagocytic Protein That Binds to Complement Receptors 3 and 2
Paola Stano, Virginia Williams, Mariestella Villani, Eugene S. Cymbalyuk, Asfia Qureshi, Yuxiang Huang, Giulia Morace, Chiara Luberto, Stephen Tomlinson, and Maurizio Del Poeta

Functional Analysis of Killer Ig-Like Receptor-Expressing Cytomegalovirus-Specific CD8+ T Cells
Lars T. van der Veken, Maria Diez Campelo, Menno A. W. G. van der Hoorn, Renate S. Hagedoorn, H. M. Esther van Egnoud, Jeroen van Bergen, Roel Willemsen, J. H. Frederik Falkenburg, and Mirjam H. M. Heemskerk

CD28 Signaling in T Regulatory Precursors Requires p56lck and Rafts Integrity to Stabilize the Foxp3 Message
Cristina Nazarov-Stoica, Jacqueline Surls, Constantin Bona, Sofia Casares, and Teodor-D. Bruneau

CD69+CD4+CD25− T Cells, a New Subset of Regulatory T Cells, Suppress T Cell Proliferation through Membrane-Bound TGF-β1
Yanmei Han, Qiuli Guo, Minggang Zhang, Zhubo Chen, and Xuetao Cao

An Essential Role for the Stalk Region of CD8β in the Coreceptor Function of CD8
Lorna Retig, Louise McNeill, Nitza Sarner, Philippe Guillaume, Immanuel Luescher, Mauro Tolaini, Dimitris Kioussis, and Roz Zamoyska

Checkpoints in the Development of Thymic Cortical Epithelial Cells
Saba Shakib, Guillaume E. Desanti, William E. Jenkinson, Sonia M. Parnell, Eric J. Jenkinson, and Graham Anderson

Deviations of the B Cell Pathway in Senescent Mice Is Associated with Reduced Surrogate Light Chain Expression and Altered Immature B Cell Generation, Phenotype, and Light Chain Expression
Sarah Alter-Wolf, Bonnie B. Blomberg, and Richard L. Riley

Levels of Foxp3 in Regulatory T Cells Reflect Their Functional Status in Transplantation
Sunil K. Chauhan, Daniel R. Saban, Hyung K. Lee, and Reza Dana

TCRμ Recombination and Transcription Relative to the Conventional TCR during Postnatal Development in Opossums
Zuly E. Parra, Michelle L. Baker, April M. Lopez, Jonathan Trujillo, Joseph M. Volpe, and Robert D. Miller
164 αβ T Cell Receptor Transfer to γδ T Cells Generates Functional Effector Cells without Mixed TCR Dimers In Vivo
Lars T. van der Veken, Miriam Coccoris, Erwin Swart, J. H. Frederik Falkenburg, Ton N. Schumacher, and Mirjam H. M. Heemskerk

171 CCR5 Expression Levels Influence NFAT Translocation, IL-2 Production, and Subsequent Signaling Events during T Lymphocyte Activation
Jose F. Camargo, Marlon P. Quinones, Srinivas Mummidi, Soumya Srinivas, Alvaro A. Gaitan, Kazi Begum, Fabio Jimenez, Scott VanCoppennolle, Derya Unutmaz, Serena S. Abuja, and Sunil K. Abuja

183 Ly49D Engagement on T Lymphocytes Induces TCR-Independent Activation and CD8 Effector Functions That Control Tumor Growth
Estelle Merck, Roger B. Voyle, and H. Robson MacDonald

193 CD4+ Th-APC with Acquired Peptide/MHC Class I and II Complexes Stimulate Type 1 Helper CD4+ and Central Memory CD8+ T Cell Responses
Channakeshava Sokke Uneshappa, Hui Huang, Yufeng Xie, Yangdou Wei, Sean J. Mulligan, Yulin Deng, and Jim Xiang

207 A Role for cFLIP in B Cell Proliferation and Stress MAPK Regulation
Haikang Zhang, Stephen Rosenberg, Francis J. Coffey, You-Wen He, Timothy Manser, Richard R. Hardy, and Jianke Zhang

216 Progression of Pancreatic Adenocarcinoma Is Significantly Impeded with a Combination of Vaccine and COX-2 Inhibition
Pinku Mukherjee, Gargi D. Basu, Teresa L. Tanner, Dawei B. Subramani, Judy M. Bradley, Million Arefayene, Todd Skaa, and Giovanni De Petris

225 IFN-γ Dictates Allograft Fate via Opposing Effects on the Graft and on Recipient CD8 T Cell Responses
Shana M. Coley, Mandy L. Ford, Samantha C. Hanna, Maylene E. Wagener, Allan D. Kirk, and Christian P. Larsen

234 Follistatin-Like Protein 1 Promotes Arthritis by Up-Regulating IFN-γ
Suzanne D. Clutter, David C. Wilson, Anthony D. Marinos, and Raphael Hirsch

240 Cancer-Expanded Myeloid-Derived Suppressor Cells Induce Anergy of NK Cells through Membrane-Bound TGF-β1
Hequan Li, Yanmei Han, Qiuli Guo, Minggang Zhang, and Xuetao Cao

250 NKG2A Inhibits Invariant NKT Cell Activation in Hepatic Injury
Toshiko Kawamura, Kazuyoshi Takeeda, Hiroshi Kanesa, Hiroaki Matsumoto, Yoshihiro Hayakawa, David H. Rasmussen, Yoshinori Ishii, Mitchell Kronenberg, Hideo Yagita, Kazutoshi Kinoshita, Toru Abo, Ko Okumura, and Mark J. Smyth

259 Epigenetic Regulation of Foxp3 Expression in Regulatory T Cells by DNA Methylation
Girdhari Lal, Nan Zhang, William van der Touw, Xiaohong Ding, Wenzhong Jia, Erwin P. Bottinger, St. Patrick Reid, David E. Levy, and Jonathan S. Bromberg

274 CTLA-4 Controls Regulatory T Cell Peripheral Homeostasis and Is Required for Suppression of Pancreatic Islet Autoimmunity
Emily M. Schmidt, Chun Jing Wang, Gemma A. Ryan, Louise E. Clough, Omar S. Qureshi, Margaret Goodall, Abul K. Abbas, Arlene H. Sharpe, David M. Sanrom, and Lucy S. K. Walker

283 Contribution of Direct and Cross-Presentation to CTL Immunity against Herpes Simplex Virus 1
Adam Chari Jirmo, Claus-Henning Nagel, Christof Bohnen, Beate Sodeik, and Georg M. N. Behrens

293 Double-Stranded RNA and TGF-α Promote MUC5AC Induction in Respiratory Cells
Hiromi Tadaki, Hirokazu Arakawa, Takahisa Mitzuno, Tomoko Suzuki, Kiyoshi Takeyama, Hiroaki Mochizuki, Kenichi Tokuyama, Shumpei Yokota, and Akihiko Morikawa

301 Rai Acts as a Negative Regulator of Autoimmunity by Inhibiting Antigen Receptor Signaling and Lymphocyte Activation
Marta Teresa Savino, Barbara Ortensi, Micol Ferro, Cristina Olivieri, Daniela Fanigliulo, Eugenio Paccagnini, Stefano Lazzi, Daniela Ott, Giuliana Pellici, and Cosima T. Baldari
Antibodies to MHC Class I Induce Autoimmunity: Role in the Pathogenesis of Chronic Rejection
Naohiko Fukami, Sabarinathan Ramachandran, Deepthi Saini, Michael Walter, William Chapman,
G. Alexander Patterson, and Thalachallour Mohanakumar

Genome-Wide Innate Immune Responses in HIV-1-Infected Macrophages Are Preserved Despite
Attenuation of the NF-κB Activation Pathway
Mahdad Noursadeghi, Jhen Tsang, Robert F. Miller, Sarah Struszewski, Paul Kellam, Benjamin M. Chain,
and David R. Katz

Btk Regulates B Cell Receptor-Mediated Antigen Processing and Presentation by Controlling Actin
Cytoskeleton Dynamics in B Cells
Shruti Sharma, Gregory Orlowski, and Wenciu Song

The Peroxisome Proliferator-Activated Receptor γ Agonist Rosiglitazone Ameliorates Murine Lupus by
Induction of Adiponectin
Tamar Aprahamian, Ramon G. Bonegin, Christophe Richez, Kei Yasuda, Lo-Ku Chiang, Kaori Sato, Kenneth Walsh,
and Ian R. Rifkin

Genomic Instability Resulting from BLM Deficiency Compromises Development, Maintenance, and
Function of the B Cell Lineage
Holger Babbe, Jennifer McMenamin, Elias Hobeika, Jing Wang, Scott J. Rodig, Michael Reth, and Philip Leder

IL-3 Inhibits TNF-α-Induced Bone Resorption and Prevents Inflammatory Arthritis
S. D. Yogesha, Shruti M. Khapli, Rupesh K. Srivastava, Latha S. Mangashetti, Satish T. Pote, Gyan C. Mishra,
and Mohan R. Wani

Estradiol Increases IL-8 Secretion of Normal Human Breast Tissue and Breast Cancer In Vivo
Christina Bendrik and Charlotte Dubrovin

OX40 Costimulation Prevents Allograft Acceptance Induced by CD40-CD40L Blockade
Bryna E. Burrell, Guangyi Lu, Xian C. Li, and D. Keith Bishop

Role of TNF-α Produced by Nonantigen-Specific Cells in a Fulminant Hepatitis Mouse Model
Hiroyasu Imo, Kazuki Ando, Tetsuya Ishikawa, Kuniaki Saito, Masao Takemura, Michio Inamaki, Hiataka Moriwaki,
and Mitsuru Seishima

Influence of B Cell Antigen Receptor Expression Level on Pathways of B Cell Tolerance Induction
Xiaohe Liu, Shixue Shen, and Tim Manser

MOLECULAR AND STRUCTURAL IMMUNOLOGY

E2A Acts in cis in G1 Phase of Cell Cycle to Promote Ig Gene Diversification
Munehisa Yabuki, Ellen C. Ordinario, W. Jason Cummings, Monica M. Fujii, and Nancy Maizels

Two Structurally Different Rituximab-Specific CD20 Mimotope Peptides Reveal That Rituximab
Recognizes Two Different CD20-Associated Epitopes
Federico Perosa, Elvira Favoino, Chiara Vicenti, Andrea Guarnera, Vito Racanelli, Vito De Pinto, and Franco Dammacco

A Simple Mycobacterial Monomycolated Glycerol Lipid Has Potent Immunostimulatory Activity
Claire S. Andersen, Else Marie Agger, Ida Rosenkrands, Jessica M. Gomes, Veemal Bhowruth, Kevin J. C. Gibson,
Rune V. Petersen, David E. Minnikin, Gurdyal S. Besra, and Peter Andersen

MicroRNA-221–222 Regulate the Cell Cycle in Mast Cells
Ramon J. Mayoral, Matthew E. Pipkin, Mikhail Pavlikov, Erik van Nimwegen, Anjana Rao, and Silvia Monticelli

Presentation of Cytosolically Stable Peptides by HLA-B27 Is Not Dependent on the Canonic Interactions
of N-Terminal Basic Residues in the A Pocket
Patricia Gómez, Carla Maevian, Begoña Galocha, Noel Garcia-Medel, and José A. López de Castro

Residue Lys57 in the Collagen-Like Region of Human L-Ficolin and Its Counterpart Lys47 in H-Ficolin
Play a Key Role in the Interaction with the Mannan-Binding Lectin-Associated Serine Proteases and the
Collectin Receptor Calreticulin
Monique Lacroix, Chantal Dumestre-Pérard, Guy Schoenb, Gunnar Housen, Jean-Yves Cesbron, Gérard J. Arlaud,
and Nicole M. Thielen
IL-10 Enhances MD-2 and CD14 Expression in Monocytes and the Proteins Are Increased and Correlated in HIV-Infected Patients
Øystein Sandanger, Liv Ryan, Janne Bohnhorst, Ann-Charlotte Iversen, Harald Husbyøe, Øyvind Halaas, Linn Landro, Pål Aursh, Sig S. Freland, Greg Elion, Alberto Viisintin, Olav Øktedalen, Jan Kristian Dams, Anders Sundan, Douglas Golenbock, and Terje Espevik

Potential Roles of a Special CD8αα+ Cell Population and CC Chemokine Thymus-Expressed Chemokine in Ovulation Related Inflammation
Cindy Zhou, Jean Wu, Jason Borillo, Lisa Torres, John McMahon, and Ya-Huan Lou

Crosstalk between CXCR4/Strosomal Derived Factor-1 and VLA-4/VCAM-1 Pathways Regulates Neutrophil Retention in the Bone Marrow
Joseph M. Petty, Christopher C. Lenox, Daniel J. Weiss, Matthew E. Poynter, and Benjamin T. Suratt

Therapeutic Targeting of IL-6 Trans Signaling Counteracts STAT3 Control of Experimental Inflammatory Arthritis
Mari A. Nowell, Anwen S. Williams, Sarah A. Carty, Jürgen Scheller, Anthony J. Hayes, Gareth W. Jones, Peter J. Richards, Simon Sluyn, Matthias Ernst, Brendan J. Jenkins, Nicholas Topley, Stefan Rose-John, and Simon A. Jones

CD11b+ Myeloid Cells Are the Key Mediators of Th2 Cell Homing into the Airway in Allergic Inflammation
Benjamin D. Medoff, Edward Seung, Sandra Hong, Seddon Y. Thomas, Barry P. Sandall, Jeremy S. Duffield, Douglas A. Kuperman, David J. Erle, and Andrew D. Luster

Reciprocal Expression and Signaling of TLR4 and TLR9 in the Pathogenesis and Treatment of Necrotizing Enterocolitis
Steven C. Gribar, Chhinder P. Sodhi, Ward M. Richardson, Rahul J. Anand, George K. Gittes, Maria F. Branca, Adam Jakub, Xia-hua Shi, Sohail Shah, John A. Ozolek, and David J. Hackam

Mast Cells Contribute to Autoimmune Inflammatory Arthritis via Their Tryptase/Heparin Complexes

Th17-Polarized Immune Response in a Murine Model of Hypersensitivity Pneumonitis and Lung Fibrosis
Philip L. Simonian, Christina L. Roark, Fabian Wehrmann, Allison K. Lanham, Fernando Diaz del Valle, Willi K. Born, Rebecca L. O’Brien, and Andrew P. Fontenot

Citrullination of CXCL12 Differentially Reduces CXCR4 and CXCR7 Binding with Loss of Inflammatory and Anti-HIV-1 Activity via CXCR4
Sofie Struyf, Samuel Noppen, Tamara Loos, Anneleen Mortier, Mieke Gouwy, Hannelien Verbeke, Dana Huskens, Souphalone Luangsay, Marc Parmentier, Karel Gheboa, Dominique Schols, Jo Van Damme, and Paul Proost

Heat Shock Proteins HSP27 and HSP70 Are Present in the Skin and Are Important Mediators of Allergic Contact Hypersensitivity
Nakita Yuwaf, Tahseen H. Nasti, Chun-Ming Huang, Brad S. Huber, Tarannum Jaleel, Hui-Yi Lin, Hui Xu, and Craig A. Elmets

Adiponectin and Functional Adiponectin Receptor 1 Are Expressed by Airway Epithelial Cells in Chronic Obstructive Pulmonary Disease
Marina Miller, Jae Youn Cho, Alexa Pham, Joe Ramidell, and David H. Broide

Targeting TLR2 Attenuates Pulmonary Inflammation and Fibrosis by Reversion of Suppressive Immune Microenvironment
Hong-Zhen Yang, Bing Cui, Han-Zhi Liu, Zhi-Rong Chen, Hui-Min Yan, Fang Hua, and Zhuo-Wei Hu

CLINICAL IMMUNOLOGY

Anti-Moesin Antibodies in the Serum of Patients with Aplastic Anemia Stimulate Peripheral Blood Mononuclear Cells to Secrete TNF-α and IFN-γ
Hiroyuki Takamatsu, J. Luis Espinoza, Xuzhang Lu, Zhirong Qi, Katsuya Okawa, and Shinji Nakao

Involvement of the Apoptotic Mechanism in Pemphigus Foliaceus Autoimmune Injury of the Skin
Ning Li, Minglang Zhao, Jinxiao Wang, Zhi Liu, and Luis A. Diaz
The CD70/CD27 Pathway Is Critical for Stimulation of an Effective Cytotoxic T Cell Response against B Cell Precursor Acute Lymphoblastic Leukemia

Ludmila Glouchkova, Birgit Ackermann, Andree Zibert, Roland Meisel, Meinolf Siepermann, Gritta E. Janka-Schaub, Ulrich Goebel, Anja Troeger, and Dagmar Dilloo