This information is current as of April 16, 2022.

Why The JI?
Submit online.

- Rapid Reviews! 30 days* from submission to initial decision
- No Triage! Every submission reviewed by practicing scientists
- Fast Publication! 4 weeks from acceptance to publication

*average

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

BRIEF REVIEWS

3335 Autophagy and Its Role in MHC-Mediated Antigen Presentation
Victoria L. Crotzer and Janice S. Blum

CUTTING EDGE

3343 Cutting Edge: The PTPN22 Allelic Variant Associated with Autoimmunity Impairs B Cell Signaling
Adrian F. Arechiga, Tania Habib, Yantao He, Xian Zhang, Zhong-Yin Zhang, Andrew Funk, and Jane H. Buckner

CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

3349 The Role of ICOS in Directing T Cell Responses: ICOS-Dependent Induction of T Cell Anergy by Tolerogenic Dendritic Cells
Andrea Tuettenberg, Eva Huter, Mario Hubo, Julia Horn, Jürgen Knop, Bodo Grimbacher, Richard A. Kroczek, Sabine Stoll, and Helmut Jonuleit

3357 Critical Role for STAT3 in IL-17A-Mediated CCL11 Expression in Human Airway Smooth Muscle Cells
Ali Saleh, Lianyu Shan, Andrew J. Halayko, Sam Kang, and Abdelilah S. Gounni

3366 CD1d Activation and Blockade: A New Antitumor Strategy
Michele W. L. Teng, Simon Yue, Janelle Sharkey, Mark A. Exley, and Mark J. Smyth

3372 Human Dendritic Cells Stimulated via TLR7 and/or TLR8 Induce the Sequential Production of IL-10, IFN-γ, and IL-17A by Naive CD4+ T Cells
Vincent Lombardi, Laurence Van Overtvelt, Stéphane Horiot, and Philippe Moingeon

3380 Notch Regulates Cytolytic Effector Function in CD8+ T Cells
Ok Hyun Cho, Hyun Mu Shin, Lucio Miele, Todd E. Golde, Abdul Fauq, Lisa M. Minter, and Barbara A. Osborne

3390 STIM1-Independent T Cell Development and Effector Function In Vivo
Niklas Beyersdorf, Antila Braun, Timo Vögel, David Varga-Szabo, Ronny Rivera Galdos, Stephan Kissler, Thomas Kerkau, and Bernhard Nieswandt

3398 ERK5 Knockdown Generates Mouse Leukemia Cells with Low MHC Class I Levels That Activate NK Cells and Block Tumorigenesis
Seyma Charni, Juan Ignacio Agüilo, Johan Garaude, Geoffroy de Bettignies, Chantal Jaquet, Robert A. Hipskind, Dinah Singer, Alberto Anel, and Martin Villalba

3406 Cell-Autonomous Role for NF-κB in Immature Bone Marrow B Cells
Estefania Claudio, Juan Ignacio Agüilo, Johan Garaude, Geoffroy de Bettignies, Chantal Jaquet, Robert A. Hipskind, Dinah Singer, Alberto Anel, and Martin Villalba

3414 Lymphocytes with Aberrant Expression of Fas or Fas Ligand Attenuate Immune Bone Marrow Failure in a Mouse Model
Stephanie O. Omokaro, Marie J. Desierto, Michael A. Eckbaut, Felicia M. Ellion, Jichun Chen, and Neil S. Young

3423 IL-21-Mediated Potentiation of Antitumor Cytolytic and Proinflammatory Responses of Human Vγ9Vδ2 T Cells for Adoptive Immunotherapy
Aurélie Thedrez, Christelle Harly, Alexis Morice, Samuel Salot, Marc Bonneville, and Emmanuel Scotet

3432 Functional Silencing Is Initiated and Maintained in Immature Anti-Insulin B Cells
Rachel A. Henry, Carlos A. Acevedo-Suárez, and James W. Thomas

3440 New Insights into the Evolution of IFNs: Zebrafish Group II IFNs Induce a Rapid and Transient Expression of IFN-Dependent Genes and Display Powerful Antiviral Activities
Azucena López-Muñoz, Francisco J. Roca, José Meseguer, and Victoriano Mulero

3450 Modulation of TLR Signaling by Multiple MyD88-Interacting Partners Including Leucine-Rich Repeat Fli-I-Interacting Proteins
Penggao Dai, Sun Yong Jeong, Yanbao Yu, Taohua Leng, Weidong Wu, Ling Xie, and Xian Chen

3461 A Central Role for Induced Regulatory T Cells in Tolerance Induction in Experimental Colitis
Dipica Haribhai, Wen Lin, Brandon Edwards, Jennifer Ziegelbauer, Nita H. Salzman, Marc R. Carbon, Shun-Hua Li, Pippa M. Simpson, Talal A. Chatila, and Calvin B. Williams

3469 Tc17, a Unique Subset of CD8 T Cells That Can Protect against Lethal Influenza Challenge

3482 T-Independent Antibody Responses to T-Dependent Antigens: A Novel Follicular Dendritic Cell-Dependent Activity
Mohey Eldin M. El Shikh, Rania M. El Sayed, Andras K. Szakal, and John G. Tew

3492 Selective Targeting of B Cells with Agonistic Anti-CD40 Is an Efficacious Strategy for the Generation of Induced Regulatory T2-Like B Cells and for the Suppression of Lupus in MRL/lpr Mice
Paul A. Blair, Karina A. Chavez-Rueda, Jamie G. Evans, Mark J. Shlomchik, Ayad Eddaoudi, David A. Isenberg, Michael R. Ehrenstein, and Claudia Mauri

3503 Polysaccharide-Protein Complex from Lycium barbarum L. Is a Novel Stimulus of Dendritic Cell Immunogenicity
Zhong Chen, Jinhua Lu, Nalini Srinivasan, Benny Kwong Huat Tan, and Suh Ha Chen

3510 The Cooperative Induction of Hypoxia-Inducible Factor-1α and STAT3 during Hypoxia Induced an Impairment of Tumor Susceptibility to CTL-Mediated Cell Lysis
Muhammad Zaeem Noorman, Stéphanie Buart, Jos Van Pels, Catherine Richon, Meriem Hasmim, Nathalie Leleu, Victoria Maria Suchorska, Abdelali Jallal, Yann Lecluse, Faten El Hage, Massimo Giuliani, Christophe Pichon, Bruno Azzarone, Nathalie Mazure, Pedro Romero, Fathia Mami-Chouaib, and Salem Chouaib

3522 RhoA GTPase Activation by TLR2 and TLR3 Ligands: Connecting via Src to NF-κB
Maria Marukyan, Periban Nalbant, Sylvia Lucen, Klaus M. Hahn, and Ulla G. Knauß

3530 NK Cells Recognize and Kill Human Glioblastoma Cells with Stem Cell-Like Properties
Roberta Castriconi, Antonia Daga, Alessandra Dondero, Gianluigi Zona, Pietro Luigi Poliani, Alice Melotti, Fabrizio Griffo, Daniela Marubbi, Renato Spaziante, Francesca Bellora, Lorenzo Moretta, Alessandro Moretta, Giorgio Corte, and Cristina Battino
Ectopic Germinal Centers Are Rare in Sjögren’s Syndrome Salivary Glands and Do Not Exclude Autoreactive B Cells
Laëtitia Le Pottier, Valérie Devauchelle, Alain Fatutrel, Capucine Davidon, Alain Saraux, Pierre Youinou, and Jacques-Olivier Peri

Expression of ADAM33 Is a Novel Regulatory Mechanism in IL-18-Secreted Process in Gastric Cancer
Kyung-Eun Kim, Hyunkeun Song, Candace Hahn, Sun Young Yoon, Sunyoung Park, Ha-reum Lee, Dae Young Hur, Taesung Kim, Cheri-byun Kim, Su Ik Bang, Jung-Wook Bang, Hyunjeong Park, and Dae-Ho Cho

Antigen-Specific Suppression of Inflammatory Arthritis Using Liposomes
Christelle Capini, Montree Jaturanpinyo, Hsin-I Chang, Srinivas Mutalik, Alice McNally, Shayna Street, Raymond Steptoe, Brendan O’Sullivan, Nigel Davies, and Ranjeny Thomas

Jagged1 Suppresses Collagen-Induced Arthritis by Indirectly Providing a Negative Signal in CD8⁺ T Cells
Mika Kijima, Akiko Iwata, Yoichi Maekawa, Hisanori Uehara, Keisuke Izumi, Akiko Kitamura, Hideo Yagita, Shigeru Chiba, Hiroshi Shiota, and Koji Yasutomo

Chitin Is a Size-Dependent Regulator of Macrophage TNF and IL-10 Production
Carla A. Da Silva, Cécile Chalouni, Adam Williams, Dominik Hartl, Chun G. Lee, and Jack A. Elias

Molecular and Structural Immunology
Two Distinct Populations of H Chain-Edited B Cells Show Differential Surrogate L Chain Dependence
Pamela B. Nakajima, Kerstin Kiefer, Amy Price, Gayle C. Bosma, and Melvin J. Bosma

MEKK3 Is Essential for Lymphopenia-Induced T Cell Proliferation and Survival
Xiaofang Wang, Xing Chang, Valeria Facchinetti, Yuan Zhuang, and Bing Su

Class I HLA Folding and Antigen Presentation in β₂-Microglobulin-Defective Daudi Cells

Immunogenetics
Evolution and Survival of Marine Carnivores Did Not Require a Diversity of Killer Cell Ig-Like Receptors or Ly49 NK Cell Receptors
John A. Hammond, Lisbeth A. Guethlein, Laurent Abi-Rached, Achim K. Moesta, and Peter Parham

Chimpanzees Use More Varied Receptors and Ligands Than Humans for Inhibitory Killer Cell Ig-Like Receptor Recognition of the MHC-C1 and MHC-C2 Epitopes
Achim K. Moesta, Laurent Abi-Rached, Paul J. Norman, and Peter Parham

Decreased NK Cell Frequency and Function Is Associated with Increased Risk of KIR3DL Allele Polymorphism in Simian Immunodeficiency Virus-Infected Rhesus Macaques with High Viral Loads
Pavel Bostik, Jaruda Kobkitjaroen, Weining Tang, Francois Villinger, Lara E. Pereira, Dawn M. Little, Susan T. Stephenson, Mark Beazely, and Aftab A. Ansari

Host Defense
MHC Class I/Peptide Transfer between Dendritic Cells Overcomes Poor Cross-Presentation by Monocyte-Derived APCs That Engulf Dying Cells
Chunfeng Qu, Van Anh Nguyen, Miriam Merad, and Gwenwdalyn J. Randolph

Contribution of Bronchial Fibroblasts to the Antiviral Response in Asthma
Nicole Bedke, Hans Michael Haichich, Mara Katsipali, Stephen T. Holgate, and Donna E. Davies

ESAT-6 Inhibits Production of IFN-γ by Mycobacterium tuberculosis-Responsive Human T Cells
Xisheng Wang, Peter F. Barnes, Karen M. Dobos-Elder, James C. Townsend, Yoon-tae Chung, Homayoun Shams, Stephen E. Weiss, and Buka Samten

Loss of Mandibular Lymph Node Integrity Is Associated with an Increase in Sensitivity to HSV-1 Infection in CD118-Deficient Mice
Christopher D. Conrady, Manoj Thapa, Todd Wuest, and Daniel J. J. Carr
Reactivation of Latent HIV-1 Infection by the Periodontopathic Bacterium Porphyromonas gingivalis Involves Histone Modification
Kenichi Imai, Kuniyasu Ochiai, and Takeshi Okamoto

NADPH Oxidase 2 Interaction with TLR2 Is Required for Efficient Innate Immune Responses to Mycobacteria via Cathelicidin Expression
Chul-Su Yang, Dong-Min Shin, Ki-Hye Kim, Zee-Won Lee, Chul-Ho Lee, Sung Goo Park, Yun Soo Bae, and Eun-Kyung Jo

Synergy between Individual TNF-Dependent Functions Determines Granuloma Performance for Controlling Mycobacterium tuberculosiS Infection
J. Christian J. Ray, JoAnne L. Flynn, and Denise E. Kirschner

Contribution of Nonneutralizing Vaccine-Elicited Antibody Activities to Improved Protective Efficacy in Rhesus Macaques Immunized with Tat/Env Compared with Multigenic Vaccines
Ruther H. Florese, Thorsten Denenberg, Peng Xiao, LaReine Kuller, Kay Larsen, L. Ebonita Summers, David Venzon, Aurelio Caffaro, Barbara Ensioli, and Marjorie Robert-Guroff

Local Production of IFN-γ by Invariant NKT Cells Modulates Acute Lyme Carditis
Chris M. Olson, Jr., Tonya C. Bates, Hooman Izadi, Justin D. Radolf, Sally A. Huber, Jonathan E. Boyson, and Juan Augusta

Chlamydia trachomatis Infection Modulates Trophoblast Cytokine/Chemokine Production
Eugenia de la Torre, Melissa J. Mulla, Andrew G. Yu, Seung-Joon Lee, Paula B. Kavathas, and Vikki M. Abrahams

Cytoprotective Function of Heme Oxygenase 1 Induced by a Nitrated Cyclic Nucleotide Formed during Murine Salmonellosis
Mohammad Hasan Zaki, Shigemoto Fujii, Tatsuya Okamoto, Sabrina Islam, Shahzada Khan, Khandaker Ahtesham Ahmed, Tomohiro Sawada, and Takaaki Akaike

Genetic and Functional Characterization of the Mouse Trl3 Locus in Defense against Tuberculosis
Jean-François Marquis, Ronald LaCourse, Lynn Ryan, Robert J. North, and Philippe Gros

TLR-9 Activation Aggravates Concanavalin A-Induced Hepatitis via Promoting Accumulation and Activation of Liver CD4+ NKT Cells
Wei Jiang, Rui Sun, Rongbin Zhou, Haoming Wei, and Zhigang Tian

Virulent Toxoplasma gondii Evade Immunity-Related GTPase-Mediated Parasite Vacuole Disruption within Primed Macrophages
Yanlin Zhao, David J. P. Ferguson, Douglas C. Wilson, Jonathan C. Howard, L. David Sibley, and George S. Yap

TRIM21 Is Essential to Sustain IFN Regulatory Factor 3 Activation during Antiviral Response
Kai Yang, He-Xin Shi, Xin-Yi Liu, Yu-Fei Shan, Bo Wei, She Chen, and Chen Wang

B7 Costimulation Is Critical for Host Control of Chronic Mycobacterium tuberculosis Infection
Kamlesh Bhatt, Aleksandra Uzelac, Sanjeev Mathur, Amanda McBride, Julius Potian, and Padmini Salgame

INFLAMMATION

Fas Signal Promotes Lung Cancer Growth by Recruiting Myeloid-Derived Suppressor Cells via Cancer Cell-Derived PGE2
Yongliang Zhang, Qiujuan Liu, Minggang Zhang, Yizhi Yu, Xia Liu, and Xueao Cao

The Heme Oxygenase-1/Carbon Monoxide Pathway Suppresses TLR4 Signaling by Regulating the Interaction of TLR4 with Caveolin-1
Xiao Mei Wang, Hong Yoo Kim, Kiichi Nakahira, Stefan W. Ryter, and Augustine M. K. Choi

Lipoxin A4: Anti-Inflammatory and Anti-Angiogenic Impact on Endothelial Cells
Nicole Baker, Sarah J. O’Meara, Michael Scannell, Paola Maderna, and Catherine Godson

C3a and C5a Are Chemotactic Factors for Human Mesenchymal Stem Cells, Which Cause Prolonged ERK1/2 Phosphorylation
Ingrid U. Schraufstatter, Richard G. DiScipio, Ming Zhao, and Sophia K. Khaldoyanidi
The mDial Formin Is Required for Neutrophil Polarization, Migration, and Activation of the LARG/RhoA/ROCK Signaling Axis during Chemotaxis
Yongquan Shi, Jinyi Zhang, Michael Mullin, Baoxia Dong, Arthur S. Alberts, and Katherine A. Siminovitch

Characterization of a CD44/CD122⁺ Memory CD8 T Cell Subset Generated under Sterile Inflammatory Conditions
Florentin-Martial Mbiktokon-Kobo, Marc Vocanson, Marie-Cécile Michallet, Martine Tomkowiak, Anne Cottalorda, Georgi S. Angelov, Charles-Antoine Coupert, Sophia Djebali, Antoine Marcais, Bertrand Dubois, Nathalie Bonnefoy-Béard, Jean-François Nicolas, Christophe Arpin, and Jacqueline Marvel

Neuromodulatory Activities of CD4⁺CD25⁺ Regulatory T Cells in a Murine Model of HIV-1-Associated Neurodegeneration
Jianuo Liu, Nan Gong, Xiuyan Huang, Ashley D. Reynolds, R. Lee Mosley, and Howard E. Gendelman

Epilysin (MMP-28) Restrains Early Macrophage Recruitment in Pseudomonas aeruginosa Pneumonia
Anne M. Manicone, Timothy P. Birkland, Michelle Lin, Tomoko Betsuyaku, Nico van Rooijen, Jouko Lohi, Jorma Keski-Oja, Ying Wang, Shawn J. Skerrett, and William C. Parks

Coordinate Regulation of TLR-Mediated Arachidonic Acid Mobilization in Macrophages by Group IVA and Group V Phospholipase A₂s
Violeta Ruípez, Alma M. Astudillo, María A. Balboa, and Jesús Balsinde

IL-17 Induces Monocyte Migration in Rheumatoid Arthritis
Shiva Shahrara, Sarah R. Pickeris, Andrea Dorfleutner, and Richard M. Pope

Epitope Specificity and Clonality of EBV-Specific CTLs Used to Treat Posttransplant Lymphoproliferative Disease
Karen A. McAulay, Tanzina Haque, Gillian Urquhart, Christopher Bellamy, Deisy Guiretti, and Dorothy H. Crawford

Aire-Deficient C57BL/6 Mice Mimicking the Common Human 13-Base Pair Deletion Mutation Present with Only a Mild Autoimmune Phenotype
François-Xavier Hubert, Sarah A. Kinkel, Pauline E. Crewther, Christopher Bellamy, Desire Guiretti, and Dorothy H. Crawford

Villitis of Unknown Etiology Is Associated with a Distinct Pattern of Chemokine Up-Regulation in the Feto-Maternal and Placental Compartments: Implications for Conjoint Maternal Allograft Rejection and Maternal Anti-Fetal Graft-versus-Host Disease
Mi Jeong Kim, Roberto Romero, Chong Jai Kim, Adi L. Tarca, Sovantha Chhauy, Christopher Lafuente, Deug-Chan Lee, Sorin Draghici, Francesca Gotsch, Juan Pedro Kusanovic, Sonia S. Hassan, and Jung-Sun Kim

IFN-β1a Inhibits the Secretion of Th17-Polarizing Cytokines in Human Dendritic Cells via TLR7 Up-Regulation
Xin Zhang, Jianping Jin, Yunan Tang, Danielle Speer, Danuta Sujkowski, and Silva Markovic-Plese

CORRECTIONS

AUTHOR INDEX