182 (6)

This information is current as of May 15, 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
### BRIEF REVIEWS

**Autophagy and Its Role in MHC-Mediated Antigen Presentation**

Victoria L. Crotzer and Janice S. Blum

### CUTTING EDGE

**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

**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

**Critical Role for STAT3 in IL-17A-Mediated CCL11 Expression in Human Airway Smooth Muscle Cells**

Ali Saleh, Lianyu Shan, Andrew J. Halayko, Sam Kung, and Abdelilah S. Gounni

**CD1d Activation and Blockade: A New Antitumor Strategy**

Michele W. L. Teng, Simon Yue, Janelle Sharkey, Mark A. Exley, and Mark J. Smyth

**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

**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

**STIM1-Independent T Cell Development and Effector Function In Vivo**

Niklas Beyersdorf, Attila Braun, Timo Vögele, David Varga-Szabo, Ronny Rivera Galdo, Stephan Kissler, Thomas Kerkau, and Bernhard Nieswandt
ERK5 Knockdown Generates Mouse Leukemia Cells with Low MHC Class I Levels That Activate NK Cells and Block Tumorigenesis
Seyma Charni, Juan Ignacio Aguilo, Johan Garaude, Geoffroy de Bettignies, Chantal Jacquet, Robert A. Hipskind, Dinah Singer, Alberto Anel, and Martin Villalba

Cell-Autonomous Role for NF-κB in Immature Bone Marrow B Cells
Estefania Claudio, Sun Saret, Honghan Wang, and Ulrich Siebenlist

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. Eckhau, Felicia M. Ellion, Jichun Chen, and Neil S. Young

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

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

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 Mereguer, and Victoriano Mulero

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

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

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

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

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

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

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 Noman, Stéphanie Buart, Jos Van Pels, Catherine Richon, Meriem Hamim, Nathalie Leleu, Victoria Maria Suchorska, Abdelali Jaldi, Yan Lecluse, Faten El Hage, Massimo Giuliani, Christophe Pichon, Bruno Azzarone, Nathalie Mazure, Pedro Romero, Fatiba Mami-Chouaib, and Salem Chouaib

RhoA GTPase Activation by TLR2 and TLR3 Ligands: Connecting via Src to NF-κB
Maria Manukyan, Perihan Nalbant, Sylvia Lucen, Klaus M. Hahn, and Ulla G. Knaus

NK Cells Recognize and Kill Human Glioblastoma Cells with Stem Cell-Like Properties
Roberta Castriconi, Antonio 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 Desvauchelle, Alain Fatuvel, Capucine Davion, Alain Saraux, Pierre Youinou, and Jacques-Olivier Peri

Expression of ADAM33 Is a Novel Regulatory Mechanism in IL-18-Secerted Process in Gastric Cancer
Kyung-Eun Kim, Hyunkeun Song, Gandace Hahn, Sun Young Yoon, Sunyoung Park, Ha-reum Lee, Daeyoung Hur, Taeung Kim, Cherl-byun Kim, Sa Ik Bang, Jung-Wook Bang, Hyunjeong Park, and Daeho Cho

Antigen-Specific Suppression of Inflammatory Arthritis Using Liposomes
Christelle Capini, Montree Jaturanpinyo, Hisin-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, Hirosi 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 Beazley, 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 Gwendalyn J. Randolph

Contribution of Bronchial Fibroblasts to the Antiviral Response in Asthma
Nicole Bedke, Hans Michael Haithc, 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. Weis, 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
3688 Reactivation of Latent HIV-1 Infection by the Periodontopathic Bacterium *Porphyromonas gingivalis* Involves Histone Modification
Kenichi Imai, Kuniyasu Ochiai, and Takashi Okamoto

3696 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-Kyeong Jo

3706 Synergy between Individual TNF-Dependent Functions Determines Granuloma Performance for Controlling *Mycobacterium tuberculosis* Infection
J. Christian J. Ray, JoAnne L. Flynn, and Denie E. Kirschner

3718 Contribution of Nonneutralizing Vaccine-Elicited Antibody Activities to Improved Protective Efficacy in Rhesus Macaques Immunized with Tat/Env Compared with Multigenic Vaccines
Ruth H. Florese, Thorsten Denenberg, Peng Xiao, LaRene Kuller, Kay Larsen, L. Ebonita Summers, David Venzon, Aurelio Cafaro, Barbara Ensoli, and Marjorie Robert-Guroff

3728 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

3735 *Chlamydia trachomatis* Infection Modulates Trophoblast Cytokine/Chemokine Production
Eugenio de la Torre, Melissa J. Mulla, Andrew G. Yu, Seung-Joon Lee, Paula B. Kavathas, and Vikki M. Abrahams

3746 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 Sawa, and Takaaki Akaike

3757 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

3768 TLR-9 Activation Aggravates Concanavalin A-Induced Hepatitis via Promoting Accumulation and Activation of Liver CD4<sup>+</sup>/NK Cells
Wei Jiang, Rui Sun, Rongbin Zhou, Haiying Wei, and Zhigang Tian

3775 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

3782 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, Sheng Chen, and Chen Wang

3793 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**

3801 Fas Signal Promotes Lung Cancer Growth by Recruiting Myeloid-Derived Suppressor Cells via Cancer Cell-Derived PGE<sub>2</sub>
Yongliang Zhang, Qiuyan Liu, Minggang Zhang, Yizhi Yu, Xia Liu, and Xuebaiao Cao

3809 The Heme Oxygenase-1/Carbon Monoxide Pathway Suppresses TLR4 Signaling by Regulating the Interaction of TLR4 with Caveolin-1
Xiao Mei Wang, Hong Pyo Kim, Kaichi Nakahira, Stefan W. Ryter, and Augustine M. K. Choi

3817 Lipoxin A<sub>4</sub>: Anti-Inflammatory and Anti-Angiogenic Impact on Endothelial Cells
Nicole Baker, Sarah J. O’Meara, Michael Scannell, Paola Maderna, and Catherine Godson

3827 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