192 (8)

This information is current as of April 14, 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
ANTIGEN RECOGNITION AND RESPONSES

Sequence-Specific Alterations of Epitope Production by HIV Protease Inhibitors
Georgio Kourijian, Yang Xu, Isah Mondesire-Crump, Mariko Shimada, Pauline Gourdain, and Sylvie Le Gall

Differential Kinetics of Antigen Dependency of CD4+ and CD8+ T Cells
Hannah Rabenstein, Anne C. Behrendt, Joachim W. Ellwart, Ronald Naumann, Marion Horsch, Johannes Beckers, and Reinhard Obst

AUTOIMMUNITY

Regulation of Experimental Autoimmune Encephalomyelitis by TPL-2 Kinase
Srividya Sriskantharajah, Eva Gückel, Niki Tsakiri, Katrin Kierdorf, Christine Brender, Aduelbekem Ben-Addi, Marc Veldhoen, Philip N. Tsichlis, Brigitta Stockinger, Anne O’Garra, Marco Prinz, George Kollias, and Steven C. Ley

IMMUNE REGULATION

Sulforaphane Protects from T Cell–Mediated Autoimmune Disease by Inhibition of IL-23 and IL-12 in Dendritic Cells
Julia Geisel, Jürgen Brück, Ivana Glucova, Katja Dengler, Tobias Sinnberg, Oliver Rothfuss, Michael Walter, Klaus Schulze-Osthoff, Martin Rücken, and Kamran Ghoreschi

Urokinase Plasminogen Activator Is a Central Regulator of Macrophage Three-Dimensional Invasion, Matrix Degradation, and Adhesion
Andrew J. Fleetwood, Adrian Achuthan, Heidi Schulte, Anneline Nansen, Kasper Almholt, Pernille Usher, and John A. Hamilton

Eosinophils Regulate Peripheral B Cell Numbers in Both Mice and Humans
Tina W. Wong, Alfred D. Doyle, James J. Lee, and Diane F. Jelinek

Dendritic Cell Motility and T Cell Activation Requires Regulation of Rho-Cofilin Signaling by the Rho-GTPase Activating Protein Myosin IXb
Yan Xu, Stefanie Pektor, Sandra Balkow, Sandra A. Hemkemeyer, Zhijun Liu, Kay Grobe, Peter J. Hanley, Limei Shen, Matthias Bros, Talkea Schmid, Martin Bährler, and Stephan Grabbe

Ax Receptor Blockade Ameliorates Pulmonary Pathology Resulting from Primary Viral Infection and Viral Exacerbation of Asthma
Takehiko Shibata, David M. Habiel, Ana L. Coelho, Steven L. Kunkel, Nicholas W. Lukacs, and Cory M. Hogaboam

Impaired B Cell Receptor Signaling Is Responsible for Reduced TACI Expression and Function in X-Linked Immunodeficient Mice
Kadriye Uslu, Adam S. Coleman, Wendy R. Allman, Nora Katzenelson, Richard J. Bram, Kishore R. Alugupalli, and Mustafa Akkoyunlu

IFN-λ Exerts Opposing Effects on T Cell Responses Depending on the Chronicity of the Virus Infection
Ichiro Misumi and Jason K. Whitmire

B Cell Antigen Presentation in the Initiation of Follicular Helper T Cell and Germinal Center Differentiation
Lisa G. Barnett, Helen M. A. Simkins, Burton E. Barnett, Lisa L. Korn, Andy L. Johnson, E. John Wherry, Gregory F. Wu, and Terri M. Laufer

Polymicrobial Sepsis Alters Antigen-Dependent and -Independent Memory CD8 T Cell Functions
Sean Duong, Stephanie A. Condotta, Deepa Rai, Matthew D. Martin, Thomas S. Griffith, and Vladimir P. Badovinac

Metabolic Reprogramming Is Required for Antibody Production That Is Suppressed in Anergic but Exaggerated in Chronically BAFF-Exposed B Cells
Alfredo Caro-Maldonado, Ruoning Wang, Amanda G. Nichols, Masayuki Kurooka, Sandra Milasta, Lillian D. Sun, Amanda L. Gavin, E. Dale Abel, Garnett Kelsoe, Douglas R. Green, and Jeffrey C. Rathmell
IMMUNOGENETICS

3637 Single-Cell and Deep Sequencing of IgG-Switched Macaque B Cells Reveal a Diverse Ig Repertoire following Immunization
Christopher Sundling, Zhenhai Zhang, Ganesh E. Phad, Zizhang Sheng, Yimeng Wang, John R. Mascola, Yuxing Li, Richard T. Wyatt, Lawrence Shapiro, and Gunilla B. Karlsson Hedestam

3645 Iddm30 Controls Pancreatic Expression of Ccl11 (Eotaxin) and the Th1/Th2 Balance within the Insulitic Lesions
Gary Y. C. Chao, Robert H. Wallis, Leili Marandi, Terri Ning, Janice Sarmiento, Andrew D. Paterson, and Philippe Poussier

IMMUNOTHERAPY AND VACCINES

3654 Differential Role of Th1 and Th2 Cytokines in Autotoxicity Driven by CD19-Specific Second-Generation Chimeric Antigen Receptor T Cells in a Mouse Model
Eleanor J. Cheadle, Victoria Sheard, Dominic G. Rothwell, John S. Bridgeman, Garry Ashton, Vivien Hanson, A. Wasat Mansoor, Robert E. Hawkins, and David E. Gilham

3666 Incorporation of CpG into a Liposomal Vaccine Formulation Increases the Maturation of Antigen-Loaded Dendritic Cells and Monocytes To Improve Local and Systemic Immunity
Melanie R. Nerland, Martin J. Elbay, Jackie Nashanielz, Elis N. T. Meeuwen, and Michael J. de Veer

INFECTIOUS DISEASE AND HOST RESPONSE

3676 Distinct Requirements for Activation of NKT and NK Cells during Viral Infection
Aaron J. Tzynik, Shilpi Verma, Qiao Wang, Mitchell Kronenberg, and Chris A. Benedict

3686 MAPK Phosphotase 5 Deficiency Contributes to Protection against Blood-Stage Plasmodium yoelii 17XL Infection in Mice
Qianqian Cheng, Qingfeng Zhang, Xindong Xu, Lan Yin, Lin Sun, Xin Lin, Chen Dong, and Weiqing Pan

3697 Staphylococcus aureus Infection of Mice Expands a Population of Memory γδ T Cells That Are Protective against Subsequent Infection
Alison G. Murphy, Kate M. O’Keeffe, Stephen J. Lalor, Belinda M. Maier, Kingston H. G. Mills, and Rachel M. McLoughlin

3709 Tissue Requirements for Establishing Long-Term CD4+ T Cell–Mediated Immunity following Leishmania donovani Infection

3719 BAFF and BAFF Receptor Levels Correlate with B Cell Subset Activation and Redistribution in Controlled Human Malaria Infection
Anja Scholzen, Anne C. Teirlinck, Else M. Bijker, Meta Roestenberg, Cornelus C. Hermen, Stephen L. Hoffman, and Robert W. Sauerwein

3730 Functional Characterization of Ocular-Derived Human Alphaherpesvirus Cross-Reactive CD4 T Cells
Werner J. D. Ouwendijk, Annemieke Geluk, Saskia L. Smits, Sarah Getu, Albert D. M. E. Osterhaus, and Georges M. G. M. Verjans

3740 Humoral Immunity and CD4+ Th1 Cells Are Both Necessary for a Fully Protective Immune Response upon Secondary Infection with Brucella melitensis
Marie-Alice Virty, Delphine Hanot Mambres, Carl De Trez, Shizuo Akira, Bernhard Ruffel, Jean-Jacques Letesson, and Eric Muraille

3753 NF90 Exerts Antiviral Activity through Regulation of PKR Phosphorylation and Stress Granules in Infected Cells
Xi Wen, Xiaofeng Huang, Bobo Wing-Yee Mok, Yixin Chen, Min Zheng, Siu-Ying Lau, Pui Wang, Wenjun Song, Dong-Yan Jin, Kwok-Yung Yuen, and Honglin Chen
Resolvin D1 Stimulates Alveolar Fluid Clearance through Alveolar Epithelial Sodium Channel, Na,K-ATPase via ALX/cAMP/PI3K Signaling Pathway in Lipopolysaccharide-Induced Acute Lung Injury
Qian Wang, Xia Zheng, Yang Cheng, Yi-Lan Zhang, Hai-Xu Wen, Zhen Tao, Hui Li, Yu Hao, Ye Gao, Liang-Min Yang, Fang Gao Smith, Chang-Jiang Huang, and Sheng-Wei Jin

Myeloid-Derived Suppressor Cells Contribute to Staphylococcus aureus Orthopedic Biofilm Infection
Courtney E. Heim, Debbie Vidlak, Tyler D. Scherr, Jessica A. Kezel, Melissa Holzapfel, David E. Muirhead, and Tammy Kielian

IFN-γ or IFN-α Ameliorates Chronic Proliferative Dermatitis by Inducing Expression of Linear Ubiquitin Chain Assembly Complex
Hironari Tamiya, Mika Terao, Tsuyoshi Takiuchii, Masaki Nakabara, Yoshihiro Sasaki, Ichiro Katayama, Hideki Yoshiwara, and Kazuhiro Iwai

CD56brightPerforinlow Noncytotoxic Human NK Cells Are Abundant in Both Healthy and Neoplastic Solid Tissues and Recirculate to Secondary Lymphoid Organs via Afferent Lymph
Paolo Carrega, Irene Bonaccorsi, Emma Di Carlo, Barbara Morandi, Petra Paul, Valeria Rizzello, Giuseppe Cipollone, Giuseppe Navarra, Maria Cristina Mingari, Lorenzo Moretta, and Guido Fozzato

CCL3 Production by Microglial Cells Modulates Disease Severity in Murine Models of Retinal Degeneration
Hideo Kohno, Tadao Maeda, Lindsay Perusek, Eric Pearlman, and Akiko Maeda

Gene Expression Profiles Normalized in Psoriatic Skin by Treatment with Brodalumab, a Human Anti–IL-17 Receptor Monoclonal Antibody
Chris B. Russell, Hugh Rand, Jeannette Bigler, Keith Kerkof, Martin Timour, Edgar Bautista, James G. Krueger, David H. Salinger, Andrew A. Welcher, and David A. Martin

TNFR1/Phox Interaction and TNFR1 Mitochondrial Translocation Thwart Silica-Induced Pulmonary Fibrosis

Hepatic Stellate Cells Orchestrate Clearance of Necrotic Cells in a Hypoxia-Inducible Factor-1α–Dependent Manner by Modulating Macrophage Phenotype in Mice
Akie Mochizuki, Aaron Pace, Cheryl E. Rockwell, Katherine J. Roth, Aaron Chow, Kate M. O’Brien, Ryan Alber, Kara Kelly, Keara Towery, James P. Luyendyk, and Bryan L. Copple

CCL2 Shapes Macrophage Polarization by GM-CSF and M-CSF: Identification of CCL2/CCR2-Dependent Gene Expression Profile
Elena Sierra-Filardi, Concha Nieto, Ángeles Domínguez-Soto, Rubén Barroso, Paloma Sánchez-Mateos, Amaya Puig-Kroger, María López-Braun, Jorge Juven, Carlos Arduin, Joël L. Rodriguez-Fernández, Carmen Sánchez-Torres, Mario Mellado, and Ángel L. Corbí

NKp46+CD3+ Cells: A Novel Nonconventional T Cell Subset in Cattle Exhibiting Both NK Cell and T Cell Features

Inflammasome Priming by Lipopolysaccharide Is Dependent upon ERK Signaling and Proteasome Function
Mohammed G. Ghonine, Ohada R. Shamaa, Srabani Das, Ramadan A. Eldomany, Teresa Fernandes-Alnemri, Emad S. Alnemri, Mikhail A. Gavrilin, and Mark D. Wewers

Functional NK Cell Repertoires Are Maintained through IL-2Rα and Fas Ligand
Martin Felices, Todd R. Lenvik, Dave E. M. Ankarlo, Bree Foley, Julie Curtsinger, Xianghua Luo, Bruce R. Blazar, Stephen K. Anderson, and Jeffrey S. Miller
Involvement of the 4-1BB/4-1BBL Pathway in Control of Monocyte Numbers by Invariant NKT Cells
Suzanne L. Cole, Kambez H. Benam, Andrew J. McMichael, and Ling-Pei Ho

MOLECULAR AND STRUCTURAL IMMUNOLOGY

Chemokine Cooperativity Is Caused by Competitive Glycosaminoglycan Binding

Gene Expression in the Gitr Locus Is Regulated by NF-κB and Foxp3 through an Enhancer
Yukiko Tone, Yoko Kidani, Chihiro Ogawa, Kouhei Yamamoto, Masato Tsuda, Christian Peter, Herman Waldmann, and Masahide Tone

B Cell Differentiation Is Associated with Reprogramming the CCCTC Binding Factor–Dependent Chromatin Architecture of the Murine MHC Class II Locus
Parimal Majumder, Christopher D. Scharer, Nancy M. Choi, and Jeremy M. Boss

Critical Roles for PU.1, GATA1, and GATA2 in the Expression of Human FcεRI on Mast Cells: PU.1 and GATA1 Transactivate FCER1A, and GATA2 Transactivates FCER1A and MS4A2
Eisuke Inage, Kazumi Kasakura, Takuya Yashiro, Ryudo Suzuki, Yosuke Baba, Nobuhiro Nakano, Mutsumu Hara, Atsushi Tanabe, Keisuke Oboki, Kenji Matsunoto, Hiroshi Saito, Francois Niyoumba, Yoshikazu Ohtsuka, Hideoki Ogawa, Ko Okumura, Toshiaki Shimizu, and Chiharu Nishiyama

MUCOSAL IMMUNOLOGY

Presence of CD8+ T Cells in the Ectocervical Mucosa Correlates with Genital Viral Shedding in HIV-Infected Women despite a Low Prevalence of HIV RNA–Expressing Cells in the Tissue
Anna Gibbs, Taha Hirbod, Qingsheng Li, Karin Bahman, Terry B. Ball, Francis A. Plummer, Rupert Kaul, Joshua Kimani, Kristina Brodalen, and Annelie Tjernlund

Innate PI3K p110δ Regulates Th1/Th17 Development and Microbiota-Dependent Colitis

IL-13 Orchestrates Resolution of Chronic Intestinal Inflammation via Phosphorylation of Glycogen Synthase Kinase-3β
Stefan Fichtner-Feigl, Rebecca Kesselring, Maria Martin, Florian Obermeier, Petra Ruemmele, Atsushi Kitani, Stefan M. Brunner, Michael Haimerl, Edward K. Geissler, Warren Strober, and Hans J. Schlitt

TUMOR IMMUNOLOGY

Histone Deacetylase Inhibitor Sensitizes Apoptosis-Resistant Melanomas to Cytotoxic Human T Lymphocytes through Regulation of TRAIL/DR5 Pathway
Ali R. Jazirehi, Siavash K. Kurdistani, and James S. Economou

CORRECTIONS

Correction: Oral Combined Therapy with Probiotics and Alloantigen Induces B Cell–Dependent Long-Lasting Specific Tolerance
Ana C. T. Mercadante, Suelem M. Perobelli, Ana P. G. Alves, Triciana Gonçalves-Silva, Wallace Mello, Ana C. Gomes-Santos, Anderson Miyoshi, Ana M. C. Faria, and Adriana Bonomo

Correction: H₂S Increases Survival during Sepsis: Protective Effect of CHOP Inhibition
Marcella Ferlito, Qihong Wang, William B. Fulton, Paul M. Colombani, Luigi Marchionni, Karen Fox-Talbot, Nazareno Paolocci, and Charles Steenbergen

Correction: Peripheral Tissue Homing Receptors Enable T Cell Entry into Lymph Nodes and Affect the Anatomical Distribution of Memory Cells
C. Colin Brinkman, Sherin J. Roushani, Nithya Srinivasan, and Victor H. Engelhard

AUTHOR INDEX