This information is current as of November 5, 2021.

**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

6679 Mechanisms of Immunity in Hydatid Disease: Implications for Vaccine Development
Wenbao Zhang, Allen G. Ross, and Donald P. McManus

CUTTING EDGE

6687 Cutting Edge: Experimentally Induced Immune Activation in Natural Hosts of Simian Immunodeficiency Virus Induces Significant Increases in Viral Replication and CD4+ T Cell Depletion
Ivona Pandrea, Thaidra Gaufin, Jason M. Brenchley, Rajeev Gautam, Christopher Monjure, Aarti Gautam, Clint Coleman, Andrew A. Lackner, Ray M. Ribiero, Daniel C. Dowek, and Cristian Apetrei

6692 Cutting Edge: Eosinophils Do Not Contribute to Respiratory Syncytial Virus Vaccine-Enhanced Disease
Elaine M. Castilow, Kevin L. Legge, and Steven M. Varga

6697 Cutting Edge: Helminth Infection Induces IgE in the Absence of μ- or δ-Chain Expression
Georgia Perona-Wright, Kazja Mohrs, Justin Taylor, Colby Zaph, David Artis, Edward J. Pearce, and Markus Mohrs

6702 Cutting Edge: FimH Adhesin of Type 1 Fimbriae Is a Novel TLR4 Ligand
Karen L. Moisman, M. Firoz Mian, Nicole M. Lauzon, Carlton L. Gyles, Brian Lichty, Randy Mackenzie, Navkiran Gill, and Ali A. Askbar

6707 Cutting Edge: Programmed Death-1/Programmed Death Ligand 1 Interaction Regulates the Induction and Maintenance of Invariant NKT Cell Anergy
Woo-Sung Chang, Ji-Yeon Kim, Yeon-Jeong Kim, Yun-Sun Kim, Jung-Mi Lee, Miyuki Azuma, Hideo Yagita, and Chang-Yuil Kang

CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

6711 Interaction of Monocytes with NK Cells upon Toll-Like Receptor-Induced Expression of the NKG2D Ligand MICA
Mercedes Kloss, Patrice Decker, Katrin M. Balitz, Tina Baessler, Gundram Jung, Hans-Georg Rammensee, Alexander Steinle, Matthias Krusch, and Helmut R. Salih

6859  Dendritic Cell Differentiation Induced by a Self-Peptide Derived from Apolipoprotein E
Tracey A. Stephens, Enayat Nikoopour, Beverly J. Rider, Matilde Leon-Ponte, Thu A. Chau, Sebastian Mikolajczak,
Pritibha Chaturvedi, Edwin Lee-Chan, Richard A. Flavell, S. M. Mansour Haeryfar, Joaquin Madrenas,
and Bhagirath Singh

6872  Antiviral-Activated Dendritic Cells: A Paracrine-Induced Response State
Antonio V. Bordería, Boris M. Hartmann, Ana Fernandez-Sesma, Thomas M. Moran, and Stuart C. Sealfon

6882  PI4P5-Kinase Iα Is Required for Efficient HIV-1 Entry and Infection of T Cells
Marta Barrero-Villan, Jonathan Barros-González, J. R. Cabrero, Mónica Gordón-Alonso, Susana Álvarez-Losada,
M. A. Muñoz-Fernández, Francisco Sánchez-Madrid, and Agustín Valenzuela-Fernández

6889  Differential Regulatory Function of Resting and Preactivated Allergen-Specific CD4+CD25+ Regulatory
T Cells in Th2-Type Airway Inflammation
Kanako Saito, Mie Torii, Ning Ma, Tomoko Tsuchiya, Linan Wang, Tomohide Hori, Daisuke Nagakubo, Nao Nitta,
Shiro Kanegasaki, Kunio Hieshima, Osamu Yoshie, Esteban C. Gabaza, Naoyuki Katayama, Hiroshi Shiku,
Kagemasa Kurihayaishi, and Takuma Kato

6898  Human CD4+CD25+Foxp3+ Regulatory T Cells Do Not Constitutively Express IL-35
Emilie Bardel, Frédérique Larousserie, Pascaline Charlot-Rabiega, Aurore Coulomb-L’Hermine, and Odile Devergne

6906  Neuropeptide Y Is Expressed by Rat Mononuclear Blood Leukocytes and Strongly Down-Regulated
during Inflammation
Julia Holler, Anna Zakrzewicz, Andreas Kaufmann, Jochen Wilhelm, Gabriele Fuchs-Moll, Hartmut Dietrich,
Winfried Padberg, Jitka Kuncová, Wolfgang Kummer, and Veronika Grau

6913  Transgenic Mice Expressing Dominant-Negative Bright Exhibit Defects in B1 B Cells
James C. Nixon, Scott Ferrell, Cathrine Miner, Athena L. Oldham, Ute Hochgeschwender, and Carol F. Webb

6923  CD8+CD205+ Splenic Dendritic Cells Are Specialized to Induce Foxp3+ Regulatory T Cells
Sayuri Yamazaki, Diana Dudziak, Gordon F. Heidkamp, Christopher Fiorese, Anthony J. Bonito, Kayo Inaba,
Michel C. Nussenzweig, and Ralph M. Steinman

6934  Rapid and Selective Expansion of Nonclonotypic T Cells in Regulatory T Cell-Deficient, Foreign
Antigen-Specific TCR-Transgenic Scurfy Mice: Antigen-Dependent Expansion and TCR Analysis
Rahul Sharma, Angela Chiao-Ying Ju, John T. Kung, Shu Man Fu, and Shyr-Te Ju

6942  Suppression of Murine Allergic Airway Disease by IL-2:Anti-IL-2 Monoclonal Antibody-Induced
Regulatory T Cells
Mark S. Wilson, John T. Pesce, Thirumalai R. Ramalingam, Robert W. Thompson, Allen Cheever, and Thomas A. Wynn

6955  Imatinib Mesylate Inhibits CD4+CD25+ Regulatory T Cell Activity and Enhances Active
Immunotherapy against BCR-ABL+ Tumors
Nicolas Larmonier, Nona Janikashvili, Collin James LaCasse, Claire Billerey Larmonier, Jessica Cantrell, Elaine Situ,
Tamara Lundeen, Bernard Bonnotte, and Emmanuel Katsanis

6964  IFN-γ-Dependent Regulatory Circuits in Immune Inflammation Highlighted in Diabetes
Boris Calderon, Anish Suri, Xiaonu O. Pan, Jason C. Mills, and Emil R. Unanue

6975  Targeting CD4 Coreceptor Expression to Postselection Thymocytes Reveals That CD4/CD8 Lineage
Choice Is neither Error-Prone nor Stochastic
Stanley Adoro, Batu Erman, Sophia D. Sarafova, François Van Laethem, Jung-Hyun Park, Lionel Feigenbaum,
and Alfred Singer

6984  CD4+ and CD8+ T Cells Exhibit Differential Requirements for CCR7-Mediated Antigen Transport
during Influenza Infection
Alex K. Heer, Nicola L. Harris, Manfred Kopf, and Benjamin J. Marsland

6995  Dynamin 2 Regulates Granule Exocytosis during NK Cell-Mediated Cytotoxicity
Laura N. Arneson, Colin M. Segovis, Timothy S. Gomez, Renee A. Schoon, Christopher J. Dick, Zhenkun Lou,
Daniel D. Billadeau, and Paul J. Leibson
Tetraspanins Regulate ADAM10-Mediated Cleavage of TNF-α and Epidermal Growth Factor
Cécile Arduise, Toufik Abache, Lei Li, Martine Billard, Aurélie Chabanon, Andreas Ludwig, Philippe Mauduit, Claude Boucheix, Eric Rubinstein, and François Le Naour

Thymocyte-Dendritic Cell Interactions near Sources of CCR7 Ligands in the Thymic Cortex
Ena Ladi, Tanja A. Schwickert, Tatjana Obtransova, Ying Chen, Paul Herzmark, Xinya Yin, Holly Aaron, Shiao Wei Chan, Martin Lipp, Badrinarath Royama, and Ellen A. Robey

MOLECULAR AND STRUCTURAL IMMUNOLOGY

A Novel C1q Family Member of Amphioxus Was Revealed to Have a Partial Function of Vertebrate C1q Molecule
Yanhong Yu, Huiqing Huang, Yan Wang, Yingcai Yu, Shaochun Yuan, Shengfeng Huang, Minming Pan, Kaisia Feng, and Anlong Xu

CD45 Down-Regulates Lck-Mediated CD44 Signaling and Modulates Actin Rearrangement in T Cells

Hyaluronan Induces Cell Death in Activated T Cells through CD44
Brian Ruffell and Pauline Johnson

Negative Regulation of TCR Signaling by Linker for Activation of X Cells via Phosphotyrosine-Dependent and -Independent Mechanisms
Michael J. Shapiro, Chau T. Nguyen, Haig Aghajanian, Weigu Zhang, and Virginia Smith Shapiro

Processing of an Antigenic Sequence from IgG Constant Domains for Presentation by MHC Class II
Morten Flohakk, Ingunn B. Rasmussen, Elin Lunde, Terje Frigstad, Gørål Berntzen, Terje E. Michaelsen, Bjarne Bogen, and Inger Sandlie

IMMUNOGENETICS

NKG2D-RAE-1 Receptor-Ligand Variation Does Not Account for the NK Cell Defect in Nonobese Diabetic Mice
Lisa M. Maier, Sarah K. Howlett, Kara M. Rainbou, Jan Clark, Joanna M. M. Howson, John A. Todd, and Linda S. Wicker

HOST DEFENSE

Induction of TRAIL- and TNF-α-Dependent Apoptosis in Human Monocyte-Derived Dendritic Cells by Microfilariae of Brugia malayi
Roshanak Tolouei Semnani, Priyanka Goel Venugopal, Lily Mahapatra, Jason A. Skinner, Francoise Meylan, Daniel Chien, David W. Dorward, Damien Chausabel, Richard M. Siegel, and Thomas B. Nutman

Respiratory Epithelial Cells Convert Inactive Vitamin D to Its Active Form: Potential Effects on Host Defense
Sif Hansdottir, Martha M. Monick, Sara L. Hinde, Nina Lovan, Dwight C. Look, and Gary W. Hunninghake

Aspergillus Conidia Activate the Complement by the Mannan-Binding Lectin C2 Bypass Mechanism
Chantal Dumestre-Pérard, Bertrand Lamy, Delphine Aldebert, Catherine Lemaire-Vieille, Renée Grillot, Jean-Paul Brion, Jean Gagnon, and Jean-Yves Cesbron

Histoplasma capsulatum Cyclophilin A Mediates Attachment to Dendritic Cell VLA-5
Francisco J. Gomez, Robyn Pilcher-Roberts, Arash Alborzi, and Simon L. Newman

IL-15 Links TLR2/1-Induced Macrophage Differentiation to the Vitamin D-Dependent Antimicrobial Pathway
Stephan R. Krutzik, Martin Hewison, Philip T. Liu, Juan Antonio Robles, Steffen Stenger, John S. Adams, and Robert L. Modlin

A Novel Role for Neutrophils As Critical Activators of NK Cells
Roman Spoříř, Nicole Joller, Hubert Hilbi, and Annette Oxenius

TNF-α Is a Positive Regulatory Factor for Human Vy2V82 T Cells
Haishan Li, Kun Luo, and C. David Pauza
Species-Specific Interaction of *Streptococcus pneumoniae* with Human Complement Factor H

Ling Lu, Zhuo Ma, T. Sakari Jokiranta, Adeline R. Whitney, Frank R. DeLeo, and Jing-Ren Zhang

Role of Human CD36 in Bacterial Recognition, Phagocytosis, and Pathogen-Induced JNK-Mediated Signaling

Irina N. Baranova, Roger Kurlander, Alexander V. Bocharov, Tatjana G. Vishnyakova, Zhigang Chen, Alan T. Remaley, Gyorgy Csako, Amy P. Patterson, and Thomas L. Eggerman

NOD2-Deficient Mice Have Impaired Resistance to *Mycobacterium tuberculosis* Infection through Defective Innate and Adaptive Immunity

Maziar Divangahi, Serge Mostowy, François Coulombe, Robert Kozak, Loïc Guillet, Frédéric Veyrier, Koichi S. Kohayashi, Richard A. Flavell, Philippe Gros, and Marcel A. Behr

The ESX-5 Secretion System of *Mycobacterium marinum* Modulates the Macrophage Response

Abdallah M. Abdallah, Nigel D. L. Savage, Maaike van Zon, Louis Wilson, Christina M. J. E. Vandenbroucke-Grauls, Nicole N. van der Wel, Tom H. M. Ottenhoff, and Wilbert Bitter

**INFLAMMATION**

TLR/MyD88 and Liver X Receptor-α Signaling Pathways Reciprocally Control *Chlamydia pneumoniae*-Induced Acceleration of Atherosclerosis


*Chlamydia pneumoniae*-Induced Foam Cell Formation Requires MyD88-Dependent and -Independent Signaling and Is Reciprocally Modulated by Liver X Receptor Activation

Shuang Chen, Rossalind Sorrentino, Kenichi Shimada, Yonca Bulut, Terence M. Doherty, Timothy R. Crother, and Moshe Arditii

Macrophage Antigen Complex-1 Mediates Reactive Microgliosis and Progressive Dopaminergic Neurodegeneration in the MPTP Model of Parkinson's Disease

Xiaoming Hu, Dan Zhang, Hao Pang, W. Michael Caudle, Yachen Li, Huiming Gao, Yuxin Liu, Li Qian, Belinda Wilson, Donato A. Di Monte, Syed F. Ali, Jing Zhang, Michelle L. Block, and Jau-Shyong Hong

Phenotype Switching by Inflammation-Inducing Polarized Th17 Cells, but Not by Th1 Cells

Guanggu Shi, Catherine A. Cox, Barbara P. Vistica, Cuifan Tan, Eric F. Waurousek, and Igal Gery

IL-10 and TGF-β Redundantly Protect against Severe Liver Injury and Mortality during Acute Schistosomiasis

De'Broski R. Herbert, Tatyana Orekov, Charles Perkins, and Fred D. Finkelman

CD4<sup>+</sup>CD25<sup>+</sup> Foxp3<sup>+</sup> Regulatory T Cells Protect against T Cell-Mediated Fulminant Hepatitis in a TGF-β-Dependent Manner in Mice

Hua-Xing Wei, Ya-Hui Chuang, Bofeng Li, Haiying Wei, Kai Sun, Yuki Moritoki, M. Eric Gershwin, Zhe-Xiong Lian, and Zhiqiang Tian

Dendritic Cells Genetically Engineered to Express IL-10 Induce Long-Lasting Antigen-Specific Tolerance in Experimental Asthma

Emmanuelle Henry, Christophe J. Desmet, Virginie Garzé, Laurence Fiotte, Denis Bedoret, Carlo Heirman, Pedro Faiica, Fabrice J. Jaspar, Philippe Guesnet, Alain P. A. Jacquet, Daniel Desnecht, Kris Thieleman, Pierre Lekeux, Muriel Moier, and Fabrice Bureau

Mechanisms of Oncostatin M-Induced Pulmonary Inflammation and Fibrosis

Afshaneh Mazaffarian, Avery W. Breuer, Esther S. Trueblood, Irina G. Luzina, Nevins W. Todd, Sergei P. Atamash, and Heather A. Arnett

Fibrillar Amyloid-β Peptides Activate Microglia via TLR2: Implications for Alzheimer’s Disease

Malabendu Jana, Carlos A. Palencia, and Kalipada Pahan

TGF-β1 Attenuates Mediator Release and De Novo Kit Expression by Human Skin Mast Cells through a Smad-Dependent Pathway

Wei Zhao, Gregorio Gomez, Shao-Hua Yu, John J. Ryan, and Lawrence B. Schwartz
7273 Prostaglandin E\textsubscript{2} Inhibits Eosinophil Trafficking through E-Prostanoid 2 Receptors
\textit{Eva M. Sturm, Petra Schratl, Raffina Schuholz, Viktoria Konya, Guenter J. Sturm, Irmgard Th. Lippe, Bernhard A. Peskar, and Akos Heinemann}

7284 NF-\kappa B-Driven STAT2 and CCL2 Expression in Astrocytes in Response to Brain Injury
\textit{Reza Khorooshi, Alicia A. Babcock, and Trevor Owens}

7292 Pleural Mesothelial Cells Express Both BLT2 and PPAR\textalpha\ and Mount an Integrated Response to Pleural Leukotriene \textit{B}_4
\textit{Elisabetta Pace, Maria Ferraro, Christopher H. Mody, Mario R. Melis, Valeria Scafidi, Anna Bonanno, Mirella Profita, Antonio Giarratano, and Mark Gjomarkaj}

7300 The Effect of the JNK Inhibitor, JIP Peptide, on Human T Lymphocyte Proliferation and Cytokine Production
\textit{Michelle Melino, Charles S. Hii, Shaun R. McColl, and Antonio Ferrante}

7307 A New Mechanism for Inhalational Priming: IL-4 Bypasses Innate Immune Signals
\textit{Anna M. Dittrich, Hui-Chen Chen, Lan Xu, Patricia Ranney, Sean Connolly, Timur O. Yarovinsky, and H. Kim Bottomly}

7316 Dual Regulatory Roles of Phosphatidylinositol 3-Kinase in IFN Signaling
\textit{Surinder Kaur, Antonella Sassano, Ajith M. Joseph, Beata Majchrzak-Kita, Elizabeth A. Eklund, Amit Verma, Saskia M. Brachmann, Eleanor N. Fish, and Leonidas C. Platanias}

7324 Active Caspase-1-Mediated Secretion of Retinoic Acid Inducible Gene-I
\textit{Min-Jung Kim and Joo-Yeon Yoo}

7332 Induction of Scavenger Receptor Class B Type I Is Critical for Simvastatin Enhancement of High-Density Lipoprotein-Induced Anti-Inflammatory Actions in Endothelial Cells
\textit{Takao Kimura, Chihiro Mogi, Hideaki Tomura, Atsushi Kusuobara, Doon-Soon Im, Koichi Sato, Hitoshi Kurose, Masami Murakami, and Fumikazu Okajima}

7341 Oncostatin M-Induced and Constitutive Activation of the JAK2/STAT5/CIS Pathway Suppresses CCL1, but Not CCL7 and CCL8, Chemokine Expression
\textit{Christoph Hintzen, Claude Haan, Jan P. Tuckermann, Peter C. Heinrich, and Heike M. Hermanns}

7350 The Effector T Cells of Diabetic Subjects Are Resistant to Regulation via CD4\textsuperscript{+}FOXP3\textsuperscript{+} Regulatory T Cells
\textit{Anya Schneider, Mary Rieck, Srinath Sanda, Catherine Pihoker, Carla Greenbaum, and Jane H. Buckner}

7356 Measles Virus Infection in Adults Induces Production of IL-10 and Is Associated with Increased CD4\textsuperscript{+}CD25\textsuperscript{+} Regulatory T Cells
\textit{Xue-lian Yu, Yu-ming Cheng, Bi-zheng Shi, Fang-xing Qian, Feng-bin Wang, Xian-nian Liu, Hai-ying Yang, Qing-nian Xu, Tang-kai Qi, Li-jun Zha, Zheng-hong Yuan, and Reena Ghildyal}

7367 Sunlight Triggers Cutaneous Lupus through a CSF-1-Dependent Mechanism in MRL-Fas\textsuperscript{by} Mice
\textit{Julia Menke, Mei-Yu Hsu, Kaitelyn T. Byrne, Julie A. Lucas, Whitney A. Rabacal, Byron P. Croker, Xiao-Hua Zong, E. Richard Stanley, and Vicki R. Kelley}

7370 Breaking of CD8\textsuperscript{+} T Cell Tolerance through In Vivo Ligation of CD40 Results in Inhibition of Chronic Graft-versus-Host Disease and Complete Donor Cell Engraftment
\textit{Juyang Kim, Keunhee Park, Hyun J. Kim, Jiyoung Kim, Hyun-A Kim, Dahee Jung, Hye J. Kim, Hye-Joong Choi, Suk-Yong Choi, Kwang W. Seo, Hong R. Cho, and Byunguk Kwon}

7380 Intestinal Macrophage/Epithelial Cell-Derived CCL11/Eotaxin-1 Mediates Eosinophil Recruitment and Function in Pediatric Ulcerative Colitis
Telomerase-Based Pharmacologic Enhancement of Antiviral Function of Human CD8+ T Lymphocytes
Steven Russell Faunce, Beth D. Jamieson, Allison C. Chin, Ronald T. Mitsuyasu, Stan T. Parish, Hwee L. Ng,
Christina M. Ramirez Kitchen, Otto O. Yang, Calvin B. Harley, and Rita B. Effros

Multiple Glycines in TCR α-Chains Determine Clonally Diverse Nature of Human T Cell Memory to
Influenza A Virus
Yuri N. Naumov, Elena N. Naumova, Maryam B. Yassai, Kalyani Kota, Raymond M. Welsh, and Liisa K. Selin

Low Expression of the IL-23/Th17 Pathway in Atopic Dermatitis Compared to Psoriasis
Emma Guttman-Yassky, Michelle A. Lowes, Judilyn Fuentes-Duculan, Lisa C. Zaba, Irma Cardinale, Kristine E. Nograles,
Artemis Khatcherian, Inna Novitskaya, John A. Carucci, Reuven Bergman, and James G. Krueger

CORRECTIONS

AUTHOR INDEX