



Explore
New Cellular
Frontiers

A Seamless Cell Sorting
Experience Awaits You with
the New Aurora CS

Let's Get Sorting



175 (3)

J Immunol 2005; 175:1359-2026; ;
<http://www.jimmunol.org/content/175/3>

This information is current as
of April 23, 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>

The Journal of Immunology is published twice each month by
The American Association of Immunologists, Inc.,
1451 Rockville Pike, Suite 650, Rockville, MD 20852
All rights reserved.
Print ISSN: 0022-1767 Online ISSN: 1550-6606.





IMMUNOLOGY

THE JOURNAL OF

TABLE OF CONTENTS

1359 IN THIS ISSUE

PILLARS OF IMMUNOLOGY

- 1361 Peyer's Patch Germinal Centers: The Elusive Switch Site for IgA
Jerry R. McGhee

- 1363 Pillars Article: Surface Phenotype of Peyer's Patch Germinal Center Cells: Implications for the Role of Germinal Centers in B Cell Differentiation. *J. Immunol.* 1982. 129: 2698–2707.
Eugene C. Butcher, Robert V. Rouse, Robert L. Coffman, Carol N. Nottenburg, Richard R. Hardy, and Irving L. Weissman

BRIEF REVIEWS

- 1373 Human Dendritic Cells: Potent Antigen-Presenting Cells at the Crossroads of Innate and Adaptive Immunity
Marco Rossi and James W. Young

CUTTING EDGE

- 1383 Cutting Edge: HLA-E Binds a Peptide Derived from the ATP-Binding Cassette Transporter Multidrug Resistance-Associated Protein 7 and Inhibits NK Cell-Mediated Lysis
Stacey L. Wooden, Suzanne R. Kalb, Robert J. Cotter, and Mark J. Soloski

CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

- 1389 Physiological Role of Macrophage Inflammatory Protein-3 α Induction during Maturation of Intestinal Macrophages
Martin Hausmann, Frauke Bataille, Tanja Spoettl, Katja Schreiter, Werner Falk, Juergen Schoelmerich, Hans Herfarth, and Gerhard Rogler
- 1399 The Colony-Stimulating Factor 1 Receptor Is Expressed on Dendritic Cells during Differentiation and Regulates Their Expansion
Kelli P. A. MacDonald, Vanessa Rowe, Helen M. Bofinger, Ranjany Thomas, Tedjo Sasmono, David A. Hume, and Geoffrey R. Hill

On the cover: Localization of *Listeria monocytogenes* (yellow) infected macrophages (cyan) in the T cell (red) area of the periarteriolar lymphoid sheath region of the spleen of IFN- $\gamma^{-/-}$ mice 24 h post infection. This region contains "innate" CD8 T cells that provide IFN- γ mediated protection (see Figure 4a). The B cells appear blue. Berg, R. E., E. Crossley, S. Murray, and J. Forman. 2005. Relative contributions of NK and CD8 T cells to IFN- γ mediated innate immune protection against *Listeria monocytogenes*. *J. Immunol.* 175: 1751–1757.

The Journal of Immunology (ISSN 0022-1767) is published twice each month by The American Association of Immunologists, Inc., 9650 Rockville Pike, Bethesda, MD 20814-3998. Subscription rates: U.S.A. AND POSSESSIONS: personal, \$370; institutional, \$730–\$1,015 (depending on number of faculty and students); single copy, \$46. OUTSIDE U.S.A. (including Canada): personal, \$530; institutional, \$890–\$1,175 (depending on number of faculty and students); single copy, \$53. See <www.jimmunol.org> for current rate information. Air Printed Matter rates are available on request from Customer Service, *The Journal of Immunology*, Room L-2407-A, 9650 Rockville Pike, Bethesda, MD 20814-3998. Indexed by *Current Contents* and *Index Medicus*. Periodicals postage paid at Bethesda, MD 20814-3998 and at additional mailing offices. Country of origin U.S.A. Printed on acid-free recyclable paper. Postmaster: Send address changes to *The Journal of Immunology*, Room L-2407-A, 9650 Rockville Pike, Bethesda, MD 20814-3998. Copyright © 2005 by The American Association of Immunologists, Inc.

- 1406 The Lymphocyte Receptor CD6 Interacts with Syntenin-1, a Scaffolding Protein Containing PDZ Domains
Idoia Gimferrer, Anna Ibáñez, Montse Farnós, Maria-Rosa Sarrias, Rafael Fenutría, Sandra Roselló, Pascale Zimmermann, Guido David, Jordi Vives, Carles Serra-Pagès, and Francisco Lozano
- 1415 Tamoxifen Blocks Estrogen-Induced B Cell Maturation but Not Survival
Elena Peeva, Jeganathan Venkatesh, and Betty Diamond
- 1424 Simultaneous Targeting of CD3 on T Cells and CD40 on B or Dendritic Cells Augments the Antitumor Reactivity of Tumor-Primed Lymph Node Cells
Qiao Li, Amelia C. Grover, Elizabeth J. Donald, Abbey Carr, Jiyun Yu, Joel Whitfield, Mark Nelson, Nobuhiro Takeshita, and Alfred E. Chang
- 1433 Dynamic Differentiation of Activated Human Peripheral Blood CD8⁺ and CD4⁺ Effector Memory T Cells
Jochen Schwendemann, Carmen Choi, Volker Schirmacher, and Philipp Beckhove
- 1440 Failed Up-Regulation of the Inhibitory IgG Fc Receptor FcγRIIB on Germinal Center B Cells in Autoimmune-Prone Mice Is Not Associated with Deletion Polymorphisms in the Promoter Region of the FcγRIIB Gene
Ziaur S. M. Rahman and Tim Manser
- 1450 Immunological Trigger of Mast Cells by Monomeric IgE: Effect on Microphthalmia Transcription Factor, STAT3 Network of Interactions
Amir Sonnenblick, Carmit Levy, and Ehud Razin
- 1456 Provision of Granulocyte-Macrophage Colony-Stimulating Factor Converts an Autoimmune Response to a Self-Antigen into an Antitumor Response
Qingyong Ji, David Gondek, and Arthur A. Hurwitz
- 1464 Multiple Members of the TNF Superfamily Contribute to IFN-γ-Mediated Inhibition of Erythropoiesis
Nadia Felli, Francesca Pedini, Ann Zeuner, Eleonora Petrucci, Ugo Testa, Concetta Conticello, Mauro Biffoni, Andrea Di Cataldo, Jeffrey A. Winkles, Cesare Peschle, and Ruggero De Maria
- 1473 IgE Enhances Antibody and T Cell Responses In Vivo via CD23⁺ B Cells
Andrew Getahun, Fredrik Hjelm, and Birgitta Heyman
- 1483 Prostaglandin E₂ Induces FOXP3 Gene Expression and T Regulatory Cell Function in Human CD4⁺ T Cells
Felicita Baratelli, Ying Lin, Li Zhu, Seok-Chul Yang, Nathalie Heuzé-Vourc'h, Gang Zeng, Karen Reckamp, Mariam Dohadwala, Sherven Sharma, and Steven M. Dubinett
- 1491 T Cell Tolerance Induced by Cross-Reactive TCR Ligands Can Be Broken by Superagonist Resulting in Anti-Inflammatory T Cell Cytokine Production
Zsolt Illés, Hanspeter Waldner, Jayagopala Reddy, Estelle Bettelli, Lindsay B. Nicholson, and Vijay K. Kuchroo
- 1498 Adenovirus Infection Dramatically Augments Lipopolysaccharide-Induced TNF Production and Sensitizes to Lethal Shock
György Fejér, Katalin Szalay, Ildikó Győry, Mária Fejes, Erzsébet Kúsz, Saviana Nedieanu, Tibor Páli, Tibor Schmidt, Botond Siklódi, György Lázár, Jr., György Lázár, Sr., and Ernő Duda
- 1507 Transient Loss of MHC Class I Tetramer Binding after CD8⁺ T Cell Activation Reflects Altered T Cell Effector Function
Donald R. Drake, III, Rebecca M. Ream, Christopher W. Lawrence, and Thomas J. Braciale
- 1516 CD8α⁺, but Not CD8α⁻, Dendritic Cells Tolerize Th2 Responses via Contact-Dependent and -Independent Mechanisms, and Reverse Airway Hyperresponsiveness, Th2, and Eosinophil Responses in a Mouse Model of Asthma
John R. Gordon, Fang Li, Aarti Nayyar, Jim Xiang, and Xiaobei Zhang
- 1523 Specific Role of Phosphodiesterase 4B in Lipopolysaccharide-Induced Signaling in Mouse Macrophages
S.-L. Catherine Jin, Linda Lan, Maria Zoudilova, and Marco Conti

- 1532 Regulation of Bim by TCR Signals in CD4/CD8 Double-Positive Thymocytes
Anna Bunin, Fatima W. Khwaja, and Gilbert J. Kersh
- 1540 α -Galactosylceramide-Induced Liver Injury in Mice Is Mediated by TNF- α but Independent of Kupffer Cells
Markus Biburger and Gisa Tiegs
- 1551 Direct Stimulation of Human T Cells via TLR5 and TLR7/8: Flagellin and R-848 Up-Regulate Proliferation and IFN- γ Production by Memory CD4⁺ T Cells
Gersende Caron, Dorothée Duluc, Isabelle Frémaux, Pascale Jeannin, Catherine David, Hugues Gascan, and Yves Delneste
- 1558 CD226 Is Specifically Expressed on the Surface of Th1 Cells and Regulates Their Expansion and Effector Functions
Valerie Dardalhon, Anna S. Schubart, Jayagopala Reddy, Jennifer Hartt Meyers, Laurent Monney, Catherine A. Sabatos, Rakesh Abuja, Khuong Nguyen, Gordon J. Freeman, Edward A. Greenfield, Raymond A. Sobel, and Vijay K. Kuchroo
- 1566 CD25-Expressing CD8⁺ T Cells Are Potent Memory Cells in Old Age
Dietmar Herndler-Brandstetter, Susanne Schwaiger, Ellen Veel, Christine Febrer, Daniel P. Cioca, Giovanni Almanzar, Michael Keller, Gerald Pfister, Walther Parson, Reinhard Würzner, Diether Schönitzer, Sian M. Henson, Richard Aspinall, Günter Lepperdinger, and Beatrix Grubeck-Loebenstein
- 1575 A Theoretical Framework for Quantitative Analysis of the Molecular Basis of Costimulation
Andreas Jansson, Eleanor Barnes, Paul Klenerman, Mikael Harlén, Poul Sørensen, Simon J. Davis, and Patric Nilsson
- 1586 Blockade of B7-H1 on Macrophages Suppresses CD4⁺ T Cell Proliferation by Augmenting IFN- γ -Induced Nitric Oxide Production
Tomohide Yamazaki, Hisaya Akiba, Akemi Koyanagi, Miyuki Azuma, Hideo Yagita, and Ko Okumura
- 1593 Drug-Induced Expansion and Differentiation of V γ 9V δ 2 T Cells In Vivo: The Role of Exogenous IL-2
Rita Casetti, Gemma Perretta, Alessandra Taglioni, Maurizio Mattei, Vittorio Colizzi, Francesco Dieli, Gianpiero D'Offizi, Miroslav Malkovsky, and Fabrizio Poccia
- 1599 Quantum Proteolytic Activation of Chemokine CCL15 by Neutrophil Granulocytes Modulates Mononuclear Cell Adhesiveness
Rudolf Richter, Roxana Bistrrian, Sylvia Escher, Wolf-Georg Forssmann, Jalal Vakili, Reinhard Henschler, Nikolaj Spodsborg, Adjoa Frimpong-Boateng, and Ulf Forssmann
- 1609 Anatomical Location Determines the Distribution and Function of Dendritic Cells and Other APCs in the Respiratory Tract
Christophe von Garnier, Luis Filgueira, Matthew Wikstrom, Miranda Smith, Jennifer A. Thomas, Deborah H. Strickland, Patrick G. Holt, and Philip A. Stumbles
- 1619 CpG-Containing Oligodeoxynucleotides Act through TLR9 to Enhance the NK Cell Cytokine Response to Antibody-Coated Tumor Cells
Julie M. Roda, Robin Parihar, and William E. Carson, III
- 1628 Human Tumor Antigen MUC1 Is Chemotactic for Immature Dendritic Cells and Elicits Maturation but Does Not Promote Th1 Type Immunity
Casey A. Carlos, Hui Fang Dong, O. M. Zack Howard, Joost J. Oppenheim, Franz-Georg Hanisch, and Olivera J. Finn
- 1636 TLR7/8-Mediated Activation of Human NK Cells Results in Accessory Cell-Dependent IFN- γ Production
Orla M. Hart, Veronica Athie-Morales, Geraldine M. O'Connor, and Clair M. Gardiner
- 1643 TLR-4 Regulates CD8⁺ T Cell Trapping in the Liver
Beena John and Ian Nicholas Crispe
- 1651 NF κ B-Inducing Kinase Deficiency Results in the Development of a Subset of Regulatory T Cells, which Shows a Hyperproliferative Activity upon Glucocorticoid-Induced TNF Receptor Family-Related Gene Stimulation
Li-Fan Lu, David C. Gondek, Zachary A. Scott, and Randolph J. Noelle

- 1658 Human Follicular Dendritic Cells Express Prostacyclin Synthase: A Novel Mechanism to Control T Cell Numbers in the Germinal Center
In Yong Lee, Eun-Mi Ko, Sang-Hyun Kim, Doo-Il Jeoung, and Jongseon Choe
- 1665 During Viral Infection of the Respiratory Tract, CD27, 4-1BB, and OX40 Collectively Determine Formation of CD8⁺ Memory T Cells and Their Capacity for Secondary Expansion
Jenny Hendriks, Yanling Xiao, John W. A. Rossen, Koenraad F. van der Sluijs, Kazuo Sugamura, Naoto Ishii, and Jannie Borst
- 1677 CD8⁺ T Cell Tolerance in Nonobese Diabetic Mice Is Restored by Insulin-Dependent Diabetes Resistance Alleles
Xavier Martinez, Huub T. C. Kruwel, William L. Redmond, Rebecca Trenney, Kara Hunter, Hugh Rosen, Nora Sarvetnick, Linda S. Wicker, and Linda A. Sherman
- 1686 Augmentation of Effector CD8⁺ T Cell Generation with Enhanced Granzyme B Expression by IL-27
Noriko Morishima, Toshiyuki Owaki, Masayuki Asakawa, Sadahiro Kamiya, Junichiro Mizuguchi, and Takayuki Yoshimoto

MOLECULAR AND STRUCTURAL IMMUNOLOGY

- 1694 Runx3 Regulates Integrin α_E /CD103 and CD4 Expression during Development of CD4⁻/CD8⁺ T Cells
Baerbel Grueter, Michaela Petter, Takeshi Egawa, Kirsten Laule-Kilian, Christine J. Aldrian, Andreas Wuerch, Yvonne Ludwig, Hidehiro Fukuyama, Hedda Wardemann, Ralph Waldschuetz, Tarik Möry, Ichiro Taniuchi, Viktor Steimle, Dan R. Littman, and Marc Ehlers
- 1706 Investigation of Peptide Involvement in T Cell Allorecognition Using Recombinant HLA Class I Multimers
Alison M. E. Whitelegg, Liesbeth E. M. Oosten, Susan Jordan, Michel Kester, Astrid G. S. van Halteren, J. Alejandro Madrigal, Els Goulmy, and Linda D. Barber
- 1715 Molecular Basis of Peptide Recognition by the TCR: Affinity Differences Calculated Using Large Scale Computing
Shunzhou Wan, Peter V. Coveney, and Darren R. Flower

IMMUNOGENETICS

- 1724 Regulator of Complement Activation (RCA) Locus in Chicken: Identification of Chicken RCA Gene Cluster and Functional RCA Proteins
Hirofumi Oshiumi, Kyoko Shida, Ryo Goitsuka, Yuko Kimura, Jun Katoh, Shinya Ohba, Yuichiroh Tamaki, Takashi Hattori, Nozomi Yamada, Norimitsu Inoue, Misako Matsumoto, Shigeki Mizuno, and Tsukasa Seya

HOST DEFENSE

- 1735 Roles for T and NK Cells in the Innate Immune Response to *Shigella flexneri*
Karine Le-Barillec, Joao Gamelas Magalhaes, Erwan Corcuff, Audrey Thuizat, Philippe J. Sansonetti, Armelle Phalipon, and James P. Di Santo
- 1741 Delineation of the Function of a Major $\gamma\delta$ T Cell Subset during Infection
Elizabeth M. Andrew, Darren J. Newton, Jane E. Dalton, Charlotte E. Egan, Stewart J. Goodwin, Daniela Tramonti, Philip Scott, and Simon R. Carding
- 1751 Relative Contributions of NK and CD8 T Cells to IFN- γ Mediated Innate Immune Protection against *Listeria monocytogenes*
Rance E. Berg, Emily Crossley, Sean Murray, and James Forman
- 1758 *Mycobacterium tuberculosis* Regulates CD1 Antigen Presentation Pathways through TLR-2
Carme Roura-Mir, Lisheng Wang, Tan-Yun Cheng, Isamu Matsunaga, Christopher C. Dascher, Stanford L. Peng, Matthew J. Fenton, Carsten Kirschning, and D. Branch Moody
- 1767 Opposing Effects of CXCR3 and CCR5 Deficiency on CD8⁺ T Cell-Mediated Inflammation in the Central Nervous System of Virus-Infected Mice
Carina de Lemos, Jeanette Erbo Christensen, Annelise Nansen, Torben Moos, Bao Lu, Craig Gerard, Jan Pravsgaard Christensen, and Allan Randrup Thomsen

- 1776 The Human β -Defensins (-1, -2, -3, -4) and Cathelicidin LL-37 Induce IL-18 Secretion through p38 and ERK MAPK Activation in Primary Human Keratinocytes
François Niyonsaba, Hiroko Ushio, Isao Nagaoka, Ko Okumura, and Hideoki Ogawa
- 1785 Mannose-Binding Lectin Recognizes Peptidoglycan via the *N*-Acetyl Glucosamine Moiety, and Inhibits Ligand-Induced Proinflammatory Effect and Promotes Chemokine Production by Macrophages
Jeya Nadesalingam, Alister W. Dodds, Kenneth B. M. Reid, and Nades Palaniyar
- 1795 Polarized Uterine Epithelial Cells Preferentially Present Antigen at the Basolateral Surface: Role of Stromal Cells in Regulating Class II-Mediated Epithelial Cell Antigen Presentation
Charles R. Wira, Richard M. Rossoll, and Roger C. Young
- 1805 CD43 Is Required for Optimal Growth Inhibition of *Mycobacterium tuberculosis* in Macrophages and in Mice
April K. Randhawa, Hermann J. Ziltener, Jasmeen S. Merzaban, and Richard W. Stokes
- 1813 Additive Inhibition of Complement Deposition by Pneumolysin and PspA Facilitates *Streptococcus pneumoniae* Septicemia
Jose Yuste, Marina Botto, James C. Paton, David W. Holden, and Jeremy S. Brown
- 1820 Depletion of T Cells by Type I Interferon: Differences between Young and Aged Mice
Jiu Jiang, Diara Gross, Shoko Nogusa, Philip Elbaum, and Donna M. Murasko
- 1827 Critical Role for IgM in Host Protection in Experimental Filarial Infection
Bhargavi Rajan, Thirumalai Ramalingam, and Thiruchandurai V. Rajan
- 1834 Constitutive Nuclear Expression of the κ B Kinase Complex and Its Activation in Human Neutrophils
Thornin Ear, Alexandre Cloutier, and Patrick P. McDonald

INFLAMMATION

- 1843 Involvement of the Rho-Kinase/Myosin Light Chain Kinase Pathway on Human Monocyte Chemotaxis Induced by ATL-1, an Aspirin-Triggered Lipoxin A₄ Synthetic Analog
Rafael L. Simões and Iolanda M. Fierro
- 1851 A Shared Epitope of the Interphotoreceptor Retinoid-Binding Protein Recognized by the CD4⁺ and CD8⁺ Autoreactive T Cells
Hui Shao, Yong Peng, Tianjiang Liao, Meiqin Wang, Ming Song, Henry J. Kaplan, and Deming Sun
- 1858 The Cathepsin B Death Pathway Contributes to TNF Plus IFN- γ -Mediated Human Endothelial Injury
Jie Hui Li and Jordan S. Pober
- 1867 Lyn-Deficient Mice Develop Severe, Persistent Asthma: Lyn Is a Critical Negative Regulator of Th2 Immunity
Sarah-Jane E. Beavitt, Kenneth W. Harder, Joanna M. Kemp, Jessica Jones, Cathy Quilici, Franca Casagrande, Ellen Lam, Debra Turner, Siobhain Brennan, Peter D. Sly, David M. Tarlinton, Gary P. Anderson, and Margaret L. Hibbs
- 1876 The Enhancement or Prevention of Airway Hyperresponsiveness during Reinfection with Respiratory Syncytial Virus Is Critically Dependent on the Age at First Infection and IL-13 Production
Azzeddine Dakhama, Jung-Won Park, Christian Taube, Anthony Joetham, Annette Balhorn, Nobuaki Miyahara, Katsuyuki Takeda, and Erwin W. Gelfand
- 1884 The Inflammatory versus Constitutive Trafficking of Mononuclear Phagocytes into the Alveolar Space of Mice Is Associated with Drastic Changes in Their Gene Expression Profiles
Mrigank Srivastava, Steffen Jung, Jochen Wilhelm, Ludger Fink, Frank Bühling, Tobias Welte, Rainer M. Bohle, Werner Seeger, Jürgen Lohmeyer, and Ulrich A. Maus
- 1894 Opposing Regulatory Roles of Complement Factor 5 in the Development of Bleomycin-Induced Pulmonary Fibrosis
Erin Addis-Lieser, Jörg Köhl, and Mónica G. Chiaromonte

- 1903 IL-4 and IL-13 Induce Protection of Porcine Endothelial Cells from Killing by Human Complement and from Apoptosis through Activation of a Phosphatidylinositol 3-Kinase/Akt Pathway
John F. Grehan, Brett K. Levay-Young, Jeremy L. Fogelson, Vanessa François-Bongarçon, Barbara A. Benson, and Agustin P. Dalmaso
- 1911 Heparin-Binding Epidermal Growth Factor-Like Growth Factor Inhibits Cytokine-Induced NF- κ B Activation and Nitric Oxide Production via Activation of the Phosphatidylinositol 3-Kinase Pathway
Veela B. Mehta and Gail E. Besner
- 1919 Neutrophil Dysfunction in Guanosine 3',5'-Cyclic Monophosphate-Dependent Protein Kinase I-Deficient Mice
Claudia G. Werner, Virginia Godfrey, Roland R. Arnold, Gerald L. Featherstone, Diane Bender, Jens Schlossmann, Matthias Schiemann, Franz Hofmann, and Katherine B. Pryzwansky
- 1930 Bacterial Induction of TNF- α Converting Enzyme Expression and IL-6 Receptor α Shedding Regulates Airway Inflammatory Signaling
Marisa I. Gómez, Sach H. Sokol, Amanda B. Muir, Grace Soong, Jayson Bastien, and Alice S. Prince
- 1937 Adenosine-Dependent Pulmonary Fibrosis in Adenosine Deaminase-Deficient Mice
Janci L. Chunn, Jose G. Molina, Tiejuan Mi, Yang Xia, Rodney E. Kellems, and Michael R. Blackburn
- 1947 Signaling through Up-Regulated C3a Receptor Is Key to the Development of Experimental Lupus Nephritis
Lihua Bao, Iyabo Osawe, Mark Haas, and Richard J. Quigg
- 1956 Muramyl Dipeptide Enhances Osteoclast Formation Induced by Lipopolysaccharide, IL-1 α , and TNF- α through Nucleotide-Binding Oligomerization Domain 2-Mediated Signaling in Osteoblasts
Shuhua Yang, Naoyuki Takahashi, Teruhito Yamashita, Nobuaki Sato, Masahiro Takahashi, Makio Mogi, Takashi Uematsu, Yasuhiro Kobayashi, Yuko Nakamichi, Kiyoshi Takeda, Shizuo Akira, Haruhiko Takada, Nobuyuki Udagawa, and Kiyofumi Furusawa

CLINICAL IMMUNOLOGY

- 1965 The Role of Fas in the Immune System Biology of IL-2R α Knockout Mice: Interplay among Regulatory T Cells, Inflammation, Hemopoiesis, and Apoptosis
Rahul Sharma, Harini Bagavant, Wael N. Jarjour, Sun-Sang J. Sung, and Shyr-Te Ju
- 1974 Antibodies from Inflamed Central Nervous System Tissue Recognize Myelin Oligodendrocyte Glycoprotein
Kevin C. O'Connor, Heiner Appel, Lisa Bregoli, Matthew E. Call, Ingrid Catz, Jennifer A. Chan, Nicole H. Moore, Kenneth G. Warren, Susan J. Wong, David A. Hafler, and Kai W. Wucherpfennig
- 1983 The TLR7 Agonist Imiquimod Enhances the Anti-Melanoma Effects of a Recombinant *Listeria monocytogenes* Vaccine
Noah Craft, Kevin W. Bruhn, Bidong D. Nguyen, Robert Prins, Jia Wei Lin, Linda M. Liao, and Jeffery F. Miller
- 1991 Antigen-Based Therapies Using Ignored Determinants of β Cell Antigens Can More Effectively Inhibit Late-Stage Autoimmune Disease in Diabetes-Prone Mice
Angelica P. Olcott, Jide Tian, Valerie Walker, Hoa Dang, Blake Middleton, Luciano Adorini, Lorraine Washburn, and Daniel L. Kaufman
- 2000 Intestinal Fibroblast-Derived IL-10 Increases Survival of Mucosal T Cells by Inhibiting Growth Factor Deprivation- and Fas-Mediated Apoptosis
Kenji Ina, Kazuo Kusugami, Yasushi Kawano, Tsuyoshi Nishiwaki, Zhonghui Wen, Alessandro Musso, Gail A. West, Michio Ohta, Hidemi Goto, and Claudio Fiocchi
- 2010 Reconstitution of EBV Latent but Not Lytic Antigen-Specific CD4⁺ and CD8⁺ T Cells after HIV Treatment with Highly Active Antiretroviral Therapy
Erwan Piriou, Christine A. Jansen, Karel van Dort, Iris De Cuyper, Nening M. Nanlohy, Joep M. A. Lange, Marinus H. J. van Oers, Frank Miedema, and Debbie van Baarle

- 2018 IL-1 Receptor Antagonist-Mediated Therapeutic Effect in Murine Myasthenia Gravis Is Associated with Suppressed Serum Proinflammatory Cytokines, C3, and Anti-Acetylcholine Receptor IgG1
Huan Yang, Erdem Tüzün, Dhivyaa Alagappan, Xiang Yu, Benjamin G. Scott, Alexander Ischenko, and Premkumar Christadoss
- 2026 Corrections
- 2027 Author Index
- 2031 AAI Membership Application
- 2032 AAI Trainee Membership Application