This information is current as of April 12, 2017.
IN THIS ISSUE

PILLARS OF IMMUNOLOGY

2723 Antigen Presentation: Discovery of the Peptide TAP
Luc Van Kaer

John J. Monaco, Sungae Cho, and Michelle Attaya

Edward V. Deverson, Irene R. Geu, W. John Coadwell, John J. Monaco, Geoffrey W. Butcher, and Jonathan C. Howard

John Trowsdale, Isabel Hanson, Ian Mockridge, Stephan Beck, Alain Townsend, and Adrian Kelly

Thomas Spies, Maureen Bresnahan, Seiamak Bahram, Daniele Arnold, George Blanck, Elizabeth Mellins, Donald Pious, and Robert DeMars

BRIEF REVIEWS

2741 Mechanisms for Decreased Function of B Cells in Aged Mice and Humans
Daniela Frasca, Ana Marie Landin, Richard L. Riley, and Bonnie B. Blomberg

CUTTING EDGE

2747 Cutting Edge: TNFR-Shedding by CD4⁺CD25⁺ Regulatory T Cells Inhibits the Induction of Inflammatory Mediators
Geertje J. D. van Mierlo, Hans U. Scherer, Marjolijn Hameetman, Mary E. Morgan, Roelof Flierman, Tom W. J. Huizinga, and René E. M. Ties

2752 Cutting Edge: IL-27 Is a Potent Inducer of IL-10 but Not FoxP3 in Murine T Cells
Marcel Batten, Noelyn M. Kljavin, Ji Li, Michael J. Walter, Frederic J. de Sauvage, and Nico Ghilardi

2757 Cutting Edge: TGF-β-Induced Expression of Foxp3 in T cells Is Mediated through Inactivation of ERK
Xunrong Luo, Qiang Zhang, Victoria Liu, Zhenbiao Xia, Kathryn L. Pothoven, and Chung Lee

2762 Cutting Edge: Contributions of Apoptosis and Anergy to Systemic T Cell Tolerance
Luke Barron, Birgit Knoechel, Jeni Lohr, and Abul K. Abbas

2767 Cutting Edge: Selective Expression of Inhibitory or Activating Killer Cell Ig-Like Receptors in Circulating
CD4+ T Lymphocytes
Natacha Remtoula, Armand Benussan, and Anne Marie-Cardine

2772 Cutting Edge: Vasoactive Intestinal Peptide (VIP) Induces Differentiation of Th17 Cells with a
Distinctive Cytokine Profile
Mahesh Yadav, Jennifer Rosenbaum, and Edward J. Goetzl

CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

2777 β-Glucan Activates Microglia without Inducing Cytokine Production in Dectin-1-Dependent Manner
Vaibhav B. Shah, Yongchong Huang, Rohan Keshwara, Tammy Ozment-Skelton, David L. Williams, and Lakhu Keshwara

2786 1,25-Dihydroxyvitamin D3 Induces CCR10 Expression in Terminally Differentiating Human B Cells
Aiko-Konno Shirakawa, Daisuke Nagakubo, Kunio Hieshima, Takaaki Nakayama, Zhe Jin, and Osamu Yoshie

2796 Notch1 Signaling and Regulatory T Cell Function
Naoki Aiano, Tomohiro Watanabe, Atsushi Kitani, Ivan J. Fuss, and Warren Strober

2805 Polyclonal MHC Ib-Restricted CD8+ T Cells Undergo Homeostatic Expansion in the Absence of
Conventional MHC-Restricted T Cells
David C. Jay, Lisa M. Reed-Loisel, and Peter E. Jensen

2815 RhoA Is Involved in LFA-1 Extension Triggered by CXCL12 but Not in a Novel Outside-In LFA-1
Activation Facilitated by CXCL9
Ronit Pasvolsky, Valentin Grabovsky, Cinzia Giagulli, Ziv Shulman, Revital Shamri, Sara W. Frigelosn, Carlo Laudanna,
and Ronen Alon

2824 Critical Synergy of CD30 and OX40 Signals in CD4 T Cell Homeostasis and Th1 Immunity
to Salmonella
Fabrina Gaspal, Vasileios Bekiaris, Mi-Yeon Kim, David R. Withers, Saeeda Bobat, Ian C. M. MacLennan,
Graham Anderson, Peter J. Lane, and Adam F. Cunningham

2830 Mitigation of Experimental Allergic Encephalomyelitis by TGF-β Induced Foxp3+ Regulatory
T Lymphocytes through the Induction of Anergy and Infectious Tolerance
Ramesh K. Selvaraj and Terrence L. Geiger

2839 Heparan Sulfate and Heparin Enhance ERK Phosphorylation and Mediate preBCR-Dependent Events
during B Lymphopoiesis
Craig D. Milne, Steven A. Corfe, and Christopher J. Paige

2848 IL-10 Suppresses Mast Cell IgE Receptor Expression and Signaling In Vitro and In Vivo
Sarah Kennedy Norton, Brian Barnstein, Jennifer Brenzovich, Daniel P. Bailey, Mohit Kashyap, Kelly Speiran, Jill Ford,
Daniel Conrad, Stephanie Watowich, Matthew R. Moralle, Christopher L. Kepley, Peter J. Murray, and John J. Ryan

2855 Constitutive Expression of IL-7 Receptor α Does Not Support Increased Expansion or Prevent
Contraction of Antigen-Specific CD4 or CD8 T Cells following Listeria monocytogenes Infection

2863 B Lymphocyte Depletion by CD20 Monoclonal Antibody Prevents Diabetes in Nonobese Diabetic Mice
despite Isotype-Specific Differences in FcγR Effector Functions
Yan Xie, Carmen P. Wong, Jean-David Bouaziz, Yasuhito Hamaguchi, Yaming Wang, Shannon M. Pop,
Roland M. Tisch, and Thomas F. Tedder

2876 Lysosomal Cysteine and Aspartic Proteases Are Heterogeneously Expressed and Act Redundantly to
Initiate Human Invariant Chain Degradation
Cristina M. Costantino, Howard C. Hang, Sally C. Kent, David A. Hafler, and Hidde L. Ploegh
The Role for Monocyte Chemoattractant Protein-1 in the Generation and Function of Memory CD8+ T Cells
Tao Wang, Hesna Dai, Ni Wan, Yolonda Moore, and Zhenhua Dai

AIMP1/p43 Protein Induces the Maturation of Bone Marrow-Derived Dendritic Cells with T Helper Type 1-Polarizing Ability
Eugene Kim, Seung Hyun Kim, Sungsoo Kim, Daeho Cho, and Tae Sung Kim

STAT3 Is Indispensable to IL-27-Mediated Cell Proliferation but Not to IL-27-Induced Th1 Differentiation and Suppression of Proinflammatory Cytokine Production
Toshiyuki Owaki, Masayuki Asakawa, Noriko Morishima, Izuru Mizoguchi, Fumio Fukai, Kyoshi Takeda, Junichiro Mizuguchi, and Takayuki Yoshimoto

Late Signals from CD27 Prevent Fas-Dependent Apoptosis of Primary CD8+ T Cells
Douglas V. Dolfi, Alina C. Boesteanu, Constantinos Petrovas, Dong Xia, Eric A. Butz, and Peter D. Katsikis

KIR2DL4 Differentially Signals Downstream Functions in Human NK Cells through Distinct Structural Modules
S. M. Shahjahan Miah, Tracey L. Hughes, and Kerry S. Campbell

Mutation in the Fas Pathway Impairs CD8+ T Cell Memory
Renu Dudani, Marsha Russell, Henk van Faassen, Lakshmi Krishnan, and Subash Sad

Involvement of Secretory and Endosomal Compartments in Presentation of an Exogenous Self-Glycolipid to Type II NKT Cells
Keshab Chandra Roy, Igor Maricic, Archana Khrana, Trevor R. F. Smith, Ramesh C. Halder, and Vipin Kumar

Splenic Stromal Microenvironment Negatively Regulates Virus-Activated Plasmacytoid Dendritic Cells through TGFB
Li Li, Shuxun Liu, Ting Zhang, Wei Pan, Xiao Yang, and Xuetao Cao

Proliferative Expansion and Acquisition of Effector Activity by Memory CD4+ T Cells in the Lungs following Pulmonary Virus Infection
Erika L. Wisninger, Whitney W. Stevens, Steven M. Varga, and Thomas J. Braciale

Expression of ICOS on Human Melanoma-Infiltrating CD4+CD25highFoxp3+ T Regulatory Cells: Implications and Impact on Tumor-Mediated Immune Suppression
Laura Strauss, Christoph Bergmann, Miroslaw J. Szczepanski, Stephan Lang, John M. Kirkwood, and Theresa L. Whiteside

Regulatory and Conventional CD4+ T Cells Show Differential Effects Correlating with PD-1 and B7-H1 Expression after Immunotherapy
Kory L. Alderson, Qing Zhou, Vanessa Berner, Danice E. C. Wilkins, Jonathan M. Weiss, Bruce R. Blazar, Lisbeth A. Weiss, Robert H. Wiltrout, Doug Redelman, and William J. Murphy

Interactions of T Cells with Fibroblast-Like Synoviocytes: Role of the B7 Family Costimulatory Ligand B7-H3
Chinh N. Tran, Seth G. Thacker, Deanna M. Louie, Jennifer Oliver, Peter T. White, Judith L. Endres, Andrew G. Urrabart, Kevin C. Chung, and David A. Fox

Rat CD4+CD8+ Macrophages Kill Tumor Cells through an NKG2D- and Granzyme/Perforin-Dependent Mechanism
Tomohisa Baba, Sari Iwasaki, Takako Maruoka, Akira Suzuki, Utano Tomaru, Hitoshi Ikeda, Takashi Yoshiki, Masanori Kasahara, and Akishiro Ishizu

The Tec Kinases Itk and Rlk Regulate NKT Cell Maturation, Cytokine Production, and Survival
Martin Felices and Leslie J. Berg

Blood Monocyte Subsets Differentially Give Rise to CD103+ and CD103− Pulmonary Dendritic Cell Populations
Claudia Jakubzick, Frank Tacke, Florent Ginhous, Amy J. Wagers, Nico van Rooijen, Matthias Mack, Miriam Merad, and Gwendalyn J. Randolph
Alternatively Activated Macrophages Regulate Extracellular Levels of the Hormone Placental Lactogen via Receptor-Mediated Uptake and Transcytosis
Julia Kzhyshkowska, Alexei Gratchev, Christina Schmuttermaier, Heike Brundiers, Liis Krusell, Srinivas Mamiidi, Jingjing Zhang, Gail Workman, E. Helene Sage, Christine Anderle, Peter Sedlmayr, and Sergij Goerdt

Prophylactic Treatment with Fms-Like Tyrosine Kinase-3 Ligand after Burn Injury Enhances Global Immune Responses to Infection
Julia Bohannon, Weihua Cui, Robert Cex, Rene Prezora, Edward Sherwood, and Tracy Toliver-Kinsky

CCR5-Dependent Regulatory T Cell Migration Mediates Fungal Survival and Severe Immunosuppression
Ana Paula Moreira, Karen Angelica Cavasani, Fabrine Sales Massafera Tristão, Ana Paula Campanelli, Roberto Martínez, Marcos Antonio Rossi, and João S. Silva

Dermal Dendritic Cells, and Not Langerhans Cells, Play an Essential Role in Inducing an Immune Response
Atsushi Fukunaga, Noor M. Khaskhely, Caimhatore S. Sreesidya, Scott N. Byrne, and Stephen E. Ullrich

Phenotypic and Functional Characterization of Ultraviolet Radiation-Induced Regulatory T Cells
Akira Maeda, Stefan Beissert, Thomas Schwarz, and Agatha Schwarz

The Fas Death Signaling Pathway Connecting Reactive Oxygen Species Generation and FLICE Inhibitory Protein Down-Regulation
Liying Wang, Neelam Azad, Lalana Kongkaneramit, Fei Chen, Yongju Lu, Bing-Hua Jiang, and Yun Rojansakul

Exosomes As a Short-Range Mechanism to Spread Alloantigen between Dendritic Cells during T Cell Allore cognition
Angela Montecalvo, William J. Shufesky, Donna Beer Stolz, Mara G. Sullivan, Zhiliang Wang, Sherrie J. Divino, Glenn D. Papworth, Simon C. Watkins, Paul D. Robbins, Adriana T. Larregina, and Adrian E. Morelli

Differential Roles of Galectin-1 and Galectin-3 in Regulating Leukocyte Viability and Cytokine Secretion
Sean R. Stowell, Yuning Qian, Sougata Karmakar, Natalia S. Koyama, Marcelo Dias-Baruffi, Hakon Leffler, Rodger P. McEver, and Richard D. Cummings

Spontaneous Renal Allograft Acceptance Associated with “Regulatory” Dendritic Cells and IDO
Charles H. Cook, Alice A. Bickerstaff, Jiao-Jing Wang, Tibor Nadasdy, Patricia Della Pelle, Robert B. Calvin, and Charles G. Orosz

Absence of CTL Responses to Early Viral Antigens Facilitates Viral Persistence
Anita Schildknecht, Sarah Welts, Markus B. Geuking, Lars Hangartner, and Maries van den Broek

Tumor-Specific CD4+ T Cells Render the Tumor Environment Permissive for Infiltration by Low-Avidity CD8+ T Cells
S. B. Justin Wong, Rinke Bos, and Linda A. Sherman

Radiation-Induced IFN-γ Production within the Tumor Microenvironment Influences Antitumor Immunity
Amit A. Lugade, Elizabeth W. Sorensen, Scott A. Gerber, James P. Moran, John G. Frelinger, and Edith M. Lord

ICOS Mediates the Development of Insulin-Dependent Diabetes Mellitus in Nonobese Diabetic Mice
Daniel Hauwiger, Eltie Tran, Wei Du, Carmen J. Booth, Li Wen, Chen Dong, and Richard A. Flavell

Vesicle-Associated Membrane Protein-8/Endobrevin Negatively Regulates Phagocytosis of Bacteria in Dendritic Cells
Yong Hou Sunny Ho, Deyu Tarika Cai, Cheng-Chun Wang, Dachuan Huang, and Siew Heng Wong

Knockdown of Mgat5 Inhibits Breast Cancer Cell Growth with Activation of CD4+ T Cells and Macrophages
Dongqing Li, Yanmei Li, Xiangli Wu, Qiao Li, Jing Yu, Jie Gen, and Xiao-Lian Zhang

Abnormal NF-κB Function Characterizes Human Type 1 Diabetes Dendritic Cells and Monocytes
3176 Phylogenetic Conservation of Glycoprotein 96 Ability to Interact with CD91 and Facilitate Antigen Cross-Presentation
Jacques Robert, Taminda Ramanayake, Gregory D. Maniero, Heidi Morales, and Asiya S. Chida

3183 Contribution of Neural Crest-Derived Cells in the Embryonic and Adult Thymus
Katie Foster, Julie Sheridan, Henrique Veiga-Fernandes, Kathleen Roderick, Vasilis Pachnis, Ralf Adams, Clare Blackburn, Dimitris Kiossis, and Mark Coles

3190 Expansion of Effector Memory TCR Vβ4+CD8+ T Cells Is Associated with Latent Infection-Mediated Resistance to Transplantation Tolerance
Dale Stapler, Eun D. Lee, Saranya A. Selvaraj, Andrew G. Evans, Leslie S. Kean, Samuel H. Speck, Christian P. Larsen, and Shitaprapak Sangappa

3201 Selection of an Antibody Library Identifies a Pathway to Induce Immunity by Targeting CD36 on Steady-State CD8α+ Dendritic Cells
Elisa Tagliani, Pierre Guermonprez, Jorge Sepulveda, Maria Lope-Brau, Carlos Ardavin, Sebastian Amigorena, Federica Benvenuti, and Oscar R. Burrono

3210 Characterizing the N-Terminal Processing Motif of MHC Class I Ligands
Mark M. Schatz, Björn Peters, Nadjia Akkad, Nina Ulrich, Alejandra Nacarino Martinez, Oliver Carroll, Sascha Bulik, Hans-Georg Rammeense, Peter van Endert, Hermann-Georg Holzbüttor, Stefan Tenzor, and Hansjörg Schiöld

3218 Differential Activation of Dual Promoters Alters DB2 Germline Transcription during Thymocyte Development
Ruth E. McMillan and Michael L. Sikes

3229 Modifications in Small Interfering RNA That Separate Immunostimulation from RNA Interference
Florian Eberle, Kerstin Gießler, Christopher Deck, Klaus Heeg, Mirjam Peter, Clemens Richert, and Alexander H. Dalpke

3238 The Tumor Suppressor Death-Associated Protein Kinase Targets to TCR-Stimulated NF-κB Activation
Ya-Ting Chuang, Li-Wen Fang, Ming-Hsien Lin-Feng, Ruey-Hwa Chen, and Ming-Zong Lai

3250 Through Regulation of TCR Expression Levels, an Idd7 Region Gene(s) Interactively Contributes to the Impaired Thymic Deletion of Autoreactive Diabetogenic CD8+ T Cells in Nonobese Diabetic Mice
David V. Serreze, Caroline Morgane Choisy-Rossi, Alexandra E. Grier, T. Mathieu Holl, Harold D. Chapman, J. Reed Gahagan, Melissa A. Osborne, Weidong Zhang, Benjamin L. King, Aaron Brown, Derry Roopenian, and Michele P. Marron

3260 Regulation of the NK Cell Alloreactivity to Bone Marrow Cells by the Combination of the Host NK Gene Complex and MHC Haplotypes
Kaho Iizuka, Anthony A. Scalzo, Hong Xian, and Wayne M. Yokoyama

3268 Large-Scale Characterization of Natural Ligands Explains the Unique Gluten-Binding Properties of HLA-DQ2
Dariusz Stepniak, Martina Wiesner, Arnoud H. de Ru, Antonii K. Moutasakas, Jan Wouter Drijfhout, George K. Papadopoulos, Peter A. van Veelen, and Fris Koning

3279 Immunodominance of the V,1-46 Antibody Gene Segment in the Primary Repertoire of Human Rotavirus-Specific B Cells Is Reduced in the Memory Compartment through Somatic Mutation of Nondominant Clones
Cuixia Tian, Grace K. Luskin, Kevin M. Dischert, James N. Higginbotham, Bryan E. Shepherd, and James E. Crowe, Jr.

3289 Vra4 Congenic Rats with Allelic Differences in the Class II Transactivator Gene Display Altered Susceptibility to Experimental Autoimmune Encephalomyelitis
Karin Harnesk, Maria Swanberg, Johan Öckinger, Margarita Diez, Olle Lidman, Erik Wallström, Anna Lobell, Tomas Olsson, and Fredrik Piehl
3297 Significant Virus Replication in Langerhans Cells following Application of HIV to Abraded Skin: Relevance to Occupational Transmission of HIV
Tatsuyoshi Kawamura, Toshiyuki Koyanagi, Yuami Nakamura, Youichi Ogawa, Atsuya Yamahita, Taku Iwamoto, Masahiko Ito, Andrew Blauvelt, and Shinji Shimada

3305 Effects of Liver X Receptor Agonist Treatment on Pulmonary Inflammation and Host Defense
Kathleen Smoak, Jennifer Madeu-Macher, Samithamby Jeyaseelan, Belinda Williams, Darlene Dixon, Katie R. Poehl, Jerry A. Nick, G. Scott Worthen, and Michael B. Feisler

3313 Properdin Plays a Protective Role in Polymicrobial Septic Peritonitis
Cordula M. Stover, Jeni C. Luckett, Bernd Echtenacher, Aline Dupont, Sue E. Figgitt, Jane Brown, Daniela N. Männel, and Wilhelm J. Schwaebel

3319 Airway Epithelial versus Immune Cell Stat1 Function for Innate Defense against Respiratory Viral Infection
Laurie P. Shornick, Audrey G. Wells, Yong Zhang, Anand C. Patel, Guangming Huang, Kazutaka Takami, Moises Soa, Nikhil A. Shukla, Eugene Agapov, and Michael J. Holtzman

3329 Fcγ Receptors Regulate Immune Activation and Susceptibility during Mycobacterium tuberculosis Infection
Paul J. Maglione, Jiayong Xu, Arturo Casadevall, and John Chan

3339 MHC Class II-Associated Invariant Chain Linkage of Antigen Dramatically Improves Cell-Mediated Immunity Induced by Adenovirus Vaccines
Peter Johannes Holst, Maria Rathmann Sorensen, Camilla Maria Mandrup Jensen, Cathrine Orskov, Allan Randrup Thomsen, and Jan Pravogaard Christensen

3347 Glycosylation-Dependent Interactions of C-Type Lectin DC-SIGN with Colorectal Tumor-Associated Lewis Glycans Impair the Function and Differentiation of Monocyte-Derived Dendritic Cells
Motokihiro Nonaka, Bruce Yong Ma, Ryuuya Murai, Natsuko Nakamura, Makoto Baba, Nobuko Kawasaki, Keiko Hidobara, Shinji Asano, and Tohiiike Kawasaki

3357 Platelet-Activating Factor Receptor Contributes to Host Defense against Pseudomonas aeruginosa Pneumonia but Is Not Essential for the Accompanying Inflammatory and Procoagulant Response
Marianne A. D. van Zoonen, Sandrine Florquin, Jost C. M. Meijsen, Regina de Beer, Alex F. de Vos, Onno J. de Boer, and Tom van der Poll

3366 Blockade of Antimicrobial Proteins S100A8 and S100A9 Inhibits Phagocyte Migration to the Alveoli in Streptococcal Pneumonia
Marie-Astrid Raquil, Nadia Ancieric, Pascal Roueau, and Philippe A. Tesier

3375 Fine Specificity of Neonatal Lymphocytes to an Abundant Malaria Blood-Stage Antigen: Epitope Mapping of Plasmodium falciparum MSP133
Indu Malhotra, Alex N. Wamachi, Peter L. Mungai, Elion Mzungu, Davy Koech, Eric Muchiri, Ann M. Moormann, and Christopher L. King

3383 Antiviral Activity of the Long Chain Pentraxin PTX3 against Influenza Viruses
Patrick C. Reading, Silvia Bozza, Brad Gilberston, Michelle Tate, Silvia Moretti, Emma R. Job, Erika C. Crouch, Andrew G. Brooks, Lorena E. Brown, Barbara Bottazzi, Luigina Romani, and Alberto Mantovani

3391 Human Lymphatic Endothelial Cells Express Multiple Functional TLRs
Amarendra Pegu, Shulin Qin, Beth A. Fullert Junecko, Ricardo E. Nisato, Michael S. Pepper, and Todd A. Reinhart

3406 Stimulation of Enhanced CD8 T Cell Responses Following Immunization with a Hyper-Antigen Secreting Intracytosolic Bacterial Pathogen

3417 γδT Cells Involvement in Viral Immune Control of Chronic Human Herpesvirus 8 Infection
Serge Barcy, Stephen C. De Rosa, Jeffrey Vieira, Kurt Diem, Minako Ikoma, Corey Casper, and Lawrence Corey
Human Factor H Interacts Selectively with *Neisseria gonorrhoeae* and Results in Species-Specific Complement Evasion

Jutamas Ngampasutadol, Sanjay Ram, Sunita Gulati, Sarika Agarwal, Chongqing Li, Alberto Visintin, Brian Monks, Guillermo Madico, and Peter A. Rice

Mycobacterial Lipopeptides Elicit CD4+ CTLs in *Mycobacterium tuberculosis*-Infected Humans

Max Bastian, Tobias Braun, Heiko Bruns, Martin Röllinghoff, and Steffen Stenger

**INFLAMMATION**

Inhibition of Monocyte Chemoattractant Protein-1 Ameliorates Rat Adjuvant-Induced Arthritis

Shiva Shabara, Amanda E. I. Proudfoot, Christy C. Park, Michael V. Volin, G. Kenneth Haines, James M. Woods, Christopher H. Atrens, Tracy M. Handel, and Richard M. Pope

Neutropenia with Impaired Immune Response to *Streptococcus pneumoniae* in Ceramide Kinase-Deficient Mice

Christine Graf, Barbara Zemann, Philipp Rovina, Nicole Urta, Andrea Schanz, Roland Reuschel, Diana Mechtersiakova, Matthias Müller, Evelin Fischer, Claudia Reichel, Susanna Huber, Janet Dawson, Josef G. Meingassner, Andreas Billich, Satoru Niwa, Rudolf Badegruber, Paul P. Van Veldhoven, Bernd Kinzel, Thomas Baumrucker, and Frédéric Bornancin

Lymphotoxin-α1β2 and LIGHT Induce Classical and Noncanonical NF-κB-Dependent Proinflammatory Gene Expression in Vascular Endothelial Cells

Lisa A. Madge, Martin S. Kluger, Jordan S. Orange, and Michael J. May

Lipoteichoic Acid-Induced Lung Inflammation Depends on TLR2 and the Concerted Action of TLR4 and the Platelet-Activating Factor Receptor


Etk/BMX, a Btk Family Tyrosine Kinase, and Mal Contribute to the Cross-Talk between MyD88 and FAK Pathways

Noha Semaan, Ghada Alsadah, Jacques-Eric Gottenberg, Dominique Wachsmann, and Jean Sibilia

Transcriptional Complex Formation of c-Fos, STAT3, and Hepatocyte NF-1α Is Essential for Cytokine-Driven C-Reactive Protein Gene Expression

Teppei Nishikawa, Keisuke Hagihara, Satoshi Serada, Tomoyasu Itohe, Atsumi Matsumura, Jian Song, Toshio Tanaka, Ichiro Kawase, Tetsuji Naka, and Kazuyuki Yoshizaki

Subversion of a Lysosomal Pathway Regulating Neutrophil Apoptosis by a Major Bacterial Toxin, Pyocyanin


Resolvin E1 Metabolome in Local Inactivation during Inflammation-Resolution

Song Hong, Timothy F. Porter, Yan Lu, SangHwan F. Oh, Padmini S. Pillai, and Charles N. Serhan

Innate Immune Responses to TREM-1 Activation: Overlap, Divergence, and Positive and Negative Cross-Talk with Bacterial Lipopolysaccharide

Ken Dower, Debra K. Ellis, Kathryn Saraf, Scott A. Jelinsky, and Lib-Ling Lin

Dipeptidyl Peptidase I-Dependent Neutrophil Recruitment Modulates the Inflammatory Response to Sendai Virus Infection

Antonina M. Akk, Pamela M. Simmons, Happy W. Chan, Eugene Agapov, Michael J. Holtzman, Mitchell H. Grayson, and Christine T. N. Pham

Mast Cell-Fibroblast Interactions Induce Matrix Metalloproteinase-9 Release from Fibroblasts: Role for IgE-Mediated Mast Cell Activation

Melanie Abel and Harissios Vliagoftis

IL-4 Is a Critical Determinant in the Generation of Allergic Inflammation Initiated by a Constitutively Active Stat6

Loss of ABCG1 Results in Chronic Pulmonary Inflammation
Angel Balda, Aldrin V. Gomes, Peipei Ping, and Peter A. Edwards

CLINICAL IMMUNOLOGY

Bacillus Calmette-Guérin Vaccination of Human Newborns Induces T Cells with Complex Cytokine and Phenotypic Profiles

Questionable Relevance of γδ T Lymphocytes in Renal Cell Carcinoma
Brant A. Inman, Xavier Frigola, Kimberley J. Harris, Susan M. Kuntz, Christine M. Lohse, Bradley C. Leibovich, and Eugene D. Kwon

Vaccination of a Melanoma Patient with Mature Dendritic Cells Pulsed with MAGE-3 Peptides Triggers the Activity of Nonvaccine Anti-Tumor Cells
Javier Carrasco, Aline Van Pel, Bart Neyns, Bernard Lethé, Francis Brasseur, Nicolina Renkvist, Pierre van der Bruggen, Nicolas van Baren, Robert Paulus, Kris Thielemani, Thierry Boon, and Danielle Godelaine

Morphine Induces Defects in Early Response of Alveolar Macrophages to Streptococcus pneumoniae by Modulating TLR9-NF-κB Signaling
Jinghua Wang, Roderick A. Barke, Richard Charboneau, Reto Schwendener, and Sabita Roy

Redirecting Therapeutic T Cells against Myelin-Specific T Lymphocytes Using a Humanized Myelin Basic Protein-HLA-DR2-ζ Chimeric Receptor
Ioana Moisini, Phuong Nguyen, Lars Fugger, and Terrence L. Geiger

Corrections

Author Index

AAI Membership Application

AAI Trainee Membership Application