This information is current as of June 9, 2017.

193 (12)

J Immunol 2014; 193:5761-6210; ; http://www.jimmunol.org/content/193/12

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

5761  Moving Connections  See article p. 5894
5761  Rictor Goes Rogue  See article p. 5924
5761  Borrelia Blues with Bbaa1  See article p. 6050
5761  K-Eap-ing Complement at Bay  See article p. 6161
5761  Teaming Up To Tackle SIV  See article p. 6172

LETTERS TO THE EDITOR

5763  Comment on “Intestinal Inflammation Modulates Expression of the Iron-Regulating Hormone Hepcidin Depending on Erythropoietic Activity and the Commensal Microbiota”
Adam Fabisiak, Natalia Murawska, and Jakub Fichna

5763  Response to Comment on “Intestinal Inflammation Modulates Expression of the Iron-Regulating Hormone Hepcidin Depending on Erythropoietic Activity and the Commensal Microbiota”
Bobby J. Cherayil

BRIEF REVIEWS

5765  Functions of Heat Shock Proteins in Pathways of the Innate and Adaptive Immune System
Robert Julian Binder

5772  The Plasmacytoid Dendritic Cell as the Swiss Army Knife of the Immune System: Molecular Regulation of Its Multifaceted Functions
Julien J. Karrich, Loes C. M. Jachimowski, Christel H. Uittenbogaart, and Bianca Blom

CUTTING EDGE

5781  Cutting Edge: New Chimeric NOD2/TLR2 Adjuvant Drastically Increases Vaccine Immunogenicity
Vincent Pavot, Nicolas Rochereau, Julien Resigauer, Alice Gujahr, Christian Genin, Gerard Tiraby, Eric Peruazel, Thierry Louis, Fabienne Vernejoul, Bernard Verrier, and Stéphane Paul
5786 Cutting Edge: Genetic Variation in TLR1 Is Associated with Pam3CSK4-Induced Effector T Cell Resistance to Regulatory T Cell Suppression
Carmen Mikacenic, Anya Schneider, Frank Radella, Jane H. Buckner, and Mark M. Wurfel

ALLERGY AND OTHER HYPERSENSITIVITIES
5791 B Cell–Intrinsic MyD88 Signaling Is Essential for IgE Responses in Lungs Exposed to Pollen Allergens
Kazufumi Matsushita and Tomohiro Yoshimoto

5801 IgG4 and IgE Transcripts in Childhood Allergic Asthma Reflect Divergent Antigen-Driven Selection
Tobias Rogosch, Sebastian Kerzel, Friederike Dey, Johanna-Josephina Wagner, Zbixin Zhang, Rolf F. Maier, and Michael Zemlin

ANTIGEN RECOGNITION AND RESPONSES
5809 Polarized Granzyme Release Is Required for Antigen-Driven Transendothelial Migration of Human Effector Memory CD4 T Cells
Thomas D. Manes and Jordan S. Pober

5816 Analysis of Relationships between Peptide/MHC Structural Features and Naive T Cell Frequency in Humans
Jean-Baptiste Reiser, François Legoux, Stéphanie Gras, Eric Trudel, Anne Chouquet, Alexandre Léger, Madalen Le Gorcec, Paul Machillo, Marc Bonneville, Xavier Saulquin, and Dominique Houset

AUTOIMMUNITY
5835 A Deficiency in the Prostaglandin D2 Receptor CRTH2 Exacerbates Adjuvant-Induced Joint Inflammation
Yoshiki Tsubosaka, Tatsuro Nakamura, Hiyoyuki Hirai, Masatoshi Hori, Masataka Nakamura, Hiroshi Ozaki, and Takahisa Murata

5841 SLAM–SAP Signaling Promotes Differentiation of IL-17–Producing T Cells and Progression of Experimental Autoimmune Encephalomyelitis
Yu-Hsuan Huang, Kevin Tsai, Caixia Ma, Bruce A. Vallance, John J. Priatel, and Rusung Tan

CLINICAL AND HUMAN IMMUNOLOGY
5854 Delta-like 1–Mediated Notch Signaling Enhances the In Vitro Conversion of Human Memory CD4 T Cells into FOXP3-Expressing Regulatory T Cells
Catarina Mota, Vânia Nunes-Silva, Ana R. Pires, Paula Matoso, Rui M. M. Victorino, Ana E. Sousa, and Iris Caramalho

IMMUNE REGULATION
5863 Glucocorticoid-Induced Leucine Zipper Enhanced Expression in Dendritic Cells Is Sufficient To Drive Regulatory T Cells Expansion In Vivo
Joseph Calmette, Mehdi Ellouze, Thi Tran, Soumaya Karaki, Emilie Ronin, Francis Capel, Marc Pallardy, Françoise Bachelier, Roman Krzyziek, Dominique Emilie, Géraldine Schlecht-Louf, and Véronique Godot

5873 Diet-Induced Obesity Does Not Impact the Generation and Maintenance of Primary Memory CD8 T Cells
Shaniya H. Khan, Emily A. Hemann, Kevin L. Legge, Lyse A. Norian, and Vladimir P. Badovinac

5883 Pig Skin Includes Dendritic Cell Subsets Transcriptomically Related to Human CD1a and CD14 Dendritic Cells Presenting Different Migrating Behaviors and T Cell Activation Capacities
Florian Marquet, Thienn-Phong Vu Manh, Pauline Maissonneuse, Jamila Ellmouzi-Younes, Céline Urien, Edwige Bougyon, Luc Jouneau, Michael Bourge, Gaëlle Simon, Angel Esquerra, Jérôme Leocardonnelle, Michel Bonneau, Marc Dalod, Isabelle Schwartz-Cornil, and Nicolas Bertho

5894 CD28–CD80 Interactions Control Regulatory T Cell Motility and Immunological Synapse Formation
Timothy J. Thauland, Yoshinobu Koguchi, Michael L. Dustin, and David C. Parker
A Novel Mechanism of B Cell–Mediated Immune Suppression through CD73 Expression and Adenosine Production
Hiroaki Kaku, Kai Fan Cheng, Yousef Al-Abed, and Thomas L. Rothstein

TCR Signaling Events Are Required for Maintaining CD4 Regulatory T Cell Numbers and Suppressive Capacities in the Periphery
Arnaud Delpoux, Philippe Yakonowsky, Aurélie Durand, Céline Charvet, Michael Valente, Arnaud Pommier, Nelly Bonilla, Bruno Martin, Cédric Auffray, and Bruno Lucas

Rictor Negatively Regulates High-Affinity Receptors for IgE-Induced Mast Cell Degranulation
Daniel Smrz, Glenn Cruse, Michael A. Beaven, Arnold Kirshenbaum, Dean D. Metcalfe, and Alasdair M. Gilfillan

Histone Deacetylase Inhibitors Upregulate B Cell microRNAs That Silence AID and Blimp-1 Expression for Epigenetic Modulation of Antibody and Autoantibody Responses
Clayton A. White, Egest J. Pone, Tonika Lam, Connie Tat, Ken L. Hayama, Guideng Li, Hong Zan, and Paolo Casali

IMMUNE SYSTEM DEVELOPMENT

Chemokine-Mediated B Cell Trafficking during Early Rabbit GALT Development
Shi-Kang Zhai, Veronica V. Volgina, Periannan Sethupathi, Katherine L. Knight, and Dennis K. Lanning

The Thymic Microenvironment Differentially Regulates Development and Trafficking of Invariant NKT Cell Sublineages
Michael B. Drennan, Srinath Govindarajan, Katelijne De Wilde, Susan M. Schlenner, Carl Ware, Sergei Nedospasov, Hans-Reimer Rodewald, and Dirk Elewaut

Gene Targeting RhoA Reveals Its Essential Role in Coordinating Mitochondrial Function and Thymocyte Development

A Signal Integration Model of Thymic Selection and Natural Regulatory T Cell Commitment
Sahamoddin Khailaie, Philippe A. Robert, Aras Toker, Jochen Huehn, and Michael Meyer-Hermann

Notch3 Activation Is Sufficient but Not Required for Inducing Human T-Lineage Specification
Els Waegemans, Inge Van de Walle, Jelle De Medts, Magda De Smedt, Tessa Kerre, Bart Vandekerckhove, Georges Leclercq, Tao Wang, Jean Plum, and Tom Taghon

Immature Recent Thymic Emigrants Are Eliminated by Complement
Fan-Chi Hsu, Michael J. Shapiro, Meibo W. Chen, Douglas C. McWilliams, Lauren M. Seaburg, Sarah N. Tangen, and Virginia Smith Shapiro

IMMUNOGENETICS

Definition of the Cattle Killer Cell Ig–like Receptor Gene Family: Comparison with Aurochs and Human Counterparts
Nicholas D. Sanderson, Paul J. Norman, Lisbeth A. Guethlein, Shirley A. Ellis, Christina Williams, Matthew Breen, Steven D. E. Park, David A. Mager, Farbod Babrzadeh, Andrew Warry, Mick Watson, Daniel G. Bradley, David E. MacHugh, Peter Parham, and John A. Hammond

IMMUNOTHERAPY AND VACCINES

The Specialized Proresolving Mediator 17-HDHA Enhances the Antibody-Mediated Immune Response against Influenza Virus: A New Class of Adjuvant?
Sesquile Ramon, Steven F. Baker, Julie M. Sahler, Nina Kim, Eric A. Feldsott, Charles N. Serhan, Luis Martinez-Sobrido, David J. Topham, and Richard P. Phipps

INFECTIOUS DISEASE AND HOST RESPONSE

CD4+ T Cell Epitopes of FliC Conserved between Strains of Burkholderia: Implications for Vaccines against Melioidosis and Cepacia Complex in Cystic Fibrosis
Borrelia burgdorferi Arthritis–Associated Locus Bbaa1 Regulates Lyme Arthritis and K/B×N Serum Transfer Arthritis through Intrinsic Control of Type I IFN Production
Ying Ma, Kenneth K. C. Bramwell, Robert B. Lochhead, Jackie K. Faquette, James F. Zachary, John H. Weis, Cory Teuscher, and Janis J. Weis

Viral MHC Class I–like Molecule Allows Evasion of NK Cell Effector Responses In Vivo
Michal Pyzik, Anne A. Dumaine, Benoît Charbonneau, Nasima Fodil-Cornu, Stipan Jonjic, and Silvia M. Vidal

Infiltrating Regulatory B Cells Control Neuroinflammation following Viral Brain Infection
Manohar B. Munial, Shuxian Hu, Scott J. Schachtele, and James R. Lokensgard

Lipocalin 2 Imparts Selective Pressure on Bacterial Growth in the Bladder and Is Elevated in Women with Urinary Tract Infection

INNATE IMMUNITY AND INFLAMMATION

TRAM Is Required for TLR2 Endosomal Signaling to Type I IFN Induction
Julianne Stack, Sarah L. Doyle, Dymphna J. Connolly, Line S. Reinert, Kate M. O’Keeffe, Rachel M. McLoughlin, Søren R. Paludan, and Andrew G. Bowie

Intestinal Expression of Fas and Fas Ligand Is Upregulated by Bacterial Signaling through TLR4 and TLR5, with Activation of Fas Modulating Intestinal TLR-Mediated Inflammation
Philana Fernandes, Charlotte O’Donnell, Caitriona Lyons, Jonathan Keane, Tim Regan, Stephen O’Brien, Padraig Fallon, Elizabeth Brint, and Aileen Houston

PARP-1 Mediates LPS-Induced HMGB1 Release by Macrophages through Regulation of HMGB1 Acetylation
Zhiyong Yang, Li Li, Lijuan Chen, Weiwei Yuan, Liming Dong, Yushun Zhang, Heshui Wu, and Chunyou Wang

STING-Mediated DNA Sensing Promotes Antitumor and Autoimmune Responses to Dying Cells
Jared Klarquist, Cassandra M. Henwic, Maria A. Lehn, Rachel A. Reboulet, Sonia Feau, and Edith M. Jaunus

Chloroquine Promotes IL-17 Production by CD4⁺ T Cells via p38-Dependent IL-23 Release by Monocyte-Derived Langerhans-like Cells
André Said, Stephanie Bock, Trim Laqji, Gerrit Müller, and Günther Weindl

Nonenzymatic Conversion of ADP-Ribosylated Arginines to Ornithine Alters the Biological Activities of Human Neutrophil Peptide-1
Linda A. Stevens, Joseph T. Barbieri, Grzegorz Piszczek, Amy N. Otuonye, Rodney L. Levine, Gang Zheng, and Joel Moss

MOLECULAR AND STRUCTURAL IMMUNOLOGY

CCAAT/Enhancer-Binding Protein α Negatively Regulates IFN-γ Expression in T Cells
Shinya Tanaka, Kentaro Tanaka, Fay Magnusson, Yeonick Chung, Gustavo J. Martinez, Yi-hong Wang, Roza I. Nurieva, Tomohiro Kurosaki, and Chen Dong

The Extracellular Adherence Protein from Staphylococcus aureus Inhibits the Classical and Lectin Pathways of Complement by Blocking Formation of the C3 Proconvertase
Jordan L. Woehl, Daphne A. C. Stapels, Brandon L. Garcia, Kaza X. Ramyar, Andrew Keightley, Maaritje Ruyken, Maria Syriga, Georgia Spyroera, Alexander B. Weber, Michal Zolkiewski, Daniel Ricklin, John D. Lambris, Suzan H. M. Rooijakkers, and Brian V. Geisbrecht

MUCOSAL IMMUNOLOGY

Antibody to the gp120 V1/V2 Loops and CD4⁺ and CD8⁺ T Cell Responses in Protection from SIVmac251 Vaginal Acquisition and Persistent Viremia

by guest on June 9, 2017 http://www.jimmunol.org/ Downloaded from
TUMOR IMMUNOLOGY

6184 The Absence or Overexpression of IL-15 Drastically Alters Breast Cancer Metastasis via Effects on NK Cells, CD4 T Cells, and Macrophages
Amy Gillgrass, Navkiran Gill, Artem Babian, and Ali A. Ashkar

6192 NK Cells with KIR2DS2 Immunogenotype Have a Functional Activation Advantage To Efficiently Kill Glioblastoma and Prolong Animal Survival
Andrea Gras Navarro, Justyna Koniecz, Lina Leiss, Mateusz Zelkowski, Agneta Engelsen, Øystein Bruserud, Jacques Zimmer, Per Øyvind Enger, and Martha Chekenya

CORRECTIONS

6207 Correction: Transcriptional Characterization of the T Cell Population within the Salmonid Interbranchial Lymphoid Tissue
Ida Bergva Aas, Lars Austbø, Melanie König, Mohasina Syed, Knut Falk, Ivar Hordvik, and Erling O. Koppang

6208 Correction: Th17 Cells Contribute to Viral Replication in Coxsackievirus B3-Induced Acute Viral Myocarditis
Jing Yuan, Miao Yu, Qiong-Wen Lin, Ai-Lin Cao, Xian Yu, Ji-Hua Dong, Jin-Ping Wang, Jing-Hui Zhang, Min Wang, He-Ping Guo, Xiang Cheng, and Yu-Hua Liao

6210 Correction: Human CD141+ Dendritic Cells Induce CD4+ T Cells To Produce Type 2 Cytokines

6211 AUTHOR INDEX

6213 AD HOC REVIEWERS

6224 AUTHOR INDEX TO VOLUME 193