This information is current as of April 14, 2017.

190 (12)

J Immunol 2013; 190:5907-6711; ;
http://www.jimmunol.org/content/190/12

---

**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

LETTERS TO THE EDITOR

5909 Comment on “TLR9 Provokes Inflammation in Response to Fetal DNA: Mechanism for Fetal Loss in Preterm Birth and Preeclampsia”
Colin L. Crawford

5909 Comment on “Induced IL-17–Producing Invariant NKT Cells Require Activation in Presence of TGF-β and IL-1β”
Marie-Laure Michel and Maria C. Leite-de-Moraes

5910 Response to Comment on “Induced IL-17–Producing Invariant NKT Cells Require Activation in Presence of TGF-β and IL-1β”
Marta Monteiro and Luis Graca

BRIEF REVIEWS

5913 What Is and What Should Always Have Been: Long-Lived Plasma Cells Induced by T Cell–Independent Antigens
Alexandra Bortnick and David Allman

CUTTING EDGE

5921 Cutting Edge: Receptors for C3a and C5a Modulate Stability of Alloantigen-Reactive Induced Regulatory T Cells
William van der Touw, Paolo Cravedi, Wing-hong Kwan, Estela Paz-Artal, Miriam Merad, and Peter S. Heeger

ALLERGY AND OTHER HYPERSENSITIVITIES

5927 Group V Secretory Phospholipase A2 Is Involved in Macrophage Activation and Is Sufficient for Macrophage Effector Functions in Allergic Pulmonary Inflammation
Shin Ohta, Mitsuru Imamura, Wei Xing, Joshua A. Boyce, and Barbara Balestrieri

5939 Sialyltransferase ST3Gal-III Regulates Siglec-F Ligand Formation and Eosinophilic Lung Inflammation in Mice

Maho Suzukawa, Marina Miller, Peter Rosenthal, Jae Youn Cho, Taylor A. Doherty, Ajit Varki, and David Broide

ANTIGEN RECOGNITION AND RESPONSES

5949 Separation of Function between Isotype Switching and Affinity Maturation In Vivo during Acute Immune Responses and Circulating Autoantibodies in UNG-Deficient Mice

Astrid Zahn, Matthieu Daugan, Shiva Safavi, David Godin, Cheolho Cheong, Alain Lamarre, and Javier M. Di Noia

AUTOIMMUNITY

5961 Accelerated Turnover of MHC Class II Molecules in Nonobese Diabetic Mice Is Developmentally and Environmentally Regulated In Vivo and Dispensable for Autoimmunity

Alessandra De Riva, Mark C. Varley, Leslie J. Black, Anne Cooke, Michael J. Deery, and Robert Busch

5972 MicroRNA-155 Confers Encephalogenic Potential to Th17 Cells by Promoting Effector Gene Expression


5981 Transglutaminase 2–Specific Autoantibodies in Celiac Disease Target Clustered, N-Terminal Epitopes Not Displayed on the Surface of Cells

Rasmus Iversen, Roberto Di Niro, Jorunn Stamnaes, Knut E. A. Lundin, Patrick C. Wilson, and Ludvig M. Sollid

5992 B Lymphocyte “Original Sin” in the Bone Marrow Enhances Islet Autoreactivity in Type 1 Diabetes–Prone Nonobese Diabetic Mice

Rachel A. Henry-Bonami, Jonathan M. Williams, Amira B. Rachakonda, Mariam Karamali, Peggy L. Kendall, and James W. Thomas

CLINICAL AND HUMAN IMMUNOLOGY

6004 Antigen-Specific Effector CD4 T Lymphocytes School Lamina Propria Propria Dendritic Cells To Transfer Innate Tolerance

Jason A. Cascio, Cara L. Haymaker, Rohit D. Divekar, Sarah Zaghouani, Marie-Therese Khairallah, Xiaoxiao Wan, Linda M. Rowland, Mermagya Dhalal, Weirong Chen, and Habib Zaghouani

6015 CD40 Mediates Downregulation of CD32B on Specific Memory B Cell Populations in Rheumatoid Arthritis

Xiaoyu Zhang, Erin Burch, Ling Cai, Edward So, Fleslie Hubbard, Eric L. Matteson, and Scott E. Strome

6023 CD4+ T Cells Provide Intermolecular Help To Generate Robust Antibody Responses in Vaccinia Virus–Vaccinated Humans

Liuwong Yin, J. Mauricio Calvo-Calle, John Cruz, Frances K. Newman, Sharone E. Frey, Francis A. Ennis, and Lawrence J. Stern

6034 Mutated PPP1R3B Is Recognized by T Cells Used To Treat a Melanoma Patient Who Experienced a Durable Complete Tumor Regression

Yong-Chen Lu, Xin Yao, Yong F. Li, Mona El-Gamil, Mark E. Dudley, James C. Yang, Jorge R. Almeida, Daniel C. Douek, Yardena Samuels, Steven A. Rosenberg, and Paul F. Robbins

6043 Metabolic Adaptation of Neutrophils in Cystic Fibrosis Airways Involves Distinct Shifts in Nutrient Transporter Expression

Julie Laval, Jawida Touhami, Leonore A. Herzenberg, Carol Conrad, Naomi Taylor, Jean-Luc Battini, Marc Sibton, and Rabindra Tiwouanziam

6051 Spontaneous Miscarriages Are Explained by the Stress/Glucocorticoid/Lipoxin A4 Axis

Zhangye Xu, Jie Zhao, Huafeng Zhang, Tang Ke, Pingyou Xu, Wenguian Cai, Foud Katirai, Duyan Ye, Yingping Huang, and Bo Huang

IMMUNE REGULATION

6059 CXCR3 Deficiency Prolongs Th1-Type Contact Hypersensitivity

Hiraku Suga, Makoto Sugaya, Tomomitsu Miyagaki, Hanako Ohschta, Hitoshi Okochi, and Shinichi Sato
Critical Roles of a Dendritic Cell Subset Expressing a Chemokine Receptor, XCR1
Chihiro Yamazaki, Masanaka Sugiyama, Tomokazu Ohta, Hiroaki Hemmi, Eri Hamada, Izumi Sasaki, Yuri Fukuda, Takahiro Yano, Mikako Nobuoka, Takeshi Hirashima, Akihiko Iizuka, Katsuaki Sato, Takashi Tanaka, Katsuaki Hoshino, and Tsuneyasu Kaisho

Looped Host Defense Peptide CLP-19 Binds to Microtubules and Inhibits Surface Expression of TLR4 on Mouse Macrophages
Di Li, Yao Liu, Ya Yang, Jian-hong Chen, Jie Yang, Lin-yun Zou, Zhi-qiang Tian, Jun Lv, and Pei-yuan Xia

Glia Maturation Factor-γ Negatively Modulates TLR4 Signaling by Facilitating TLR4 Endocytic Trafficking in Macrophages
WuLin Aerbajinai, Kevin Lee, Kyung Chin, and Griffin P. Rodgers

Programmed Death-1 Shapes Memory Phenotype CD8 T Cell Subsets in a Cell-Intrinsic Manner
Joanna J. Charlton, Ioannis Chatzidakis, Debbie Tsoukatou, Dimitrios T. Boupnas, George A. Garinis, and Clio Mamanaki

Viral Antigen Induces Differentiation of Foxp3+ Natural Regulatory T Cells in Influenza Virus–Infected Mice
Felipe Bedoya, Guang-Shing Cheng, Akhigai Leihou, Nardine Zakbary, Katherine Weisler, Victoria Garcia, Malinda Aitken, Elizabeth Krupp, David S. Garlick, E. John Wherry, Jan Erikson, and Andrew J. Caton

Canonical and Noncanonical Wnt Proteins Program Dendritic Cell Responses for Tolerance
Cecilia Oderup, Melissa LaJevic, and Eugene C. Butcher

The Proto-Oncogene c-myc Regulates Antibody Secretion and Ig Class Switch Recombination
David Fernández, Maitane Ortiz, Lorena Rodríguez, Arancha Garcia, Dolores Martinez, and Ignacio Moreno de Albornoz

CD11chighCD8+ Regulatory T Cell Feedback Inhibits CD4 T Cell Immune Response via Fas Ligand–Fas Pathway
Zhubo Chen, Yanmei Han, Yan Gu, Yanfang Liu, Zhengqing Jiang, Minghui Zhang, and Xuetao Cao

Developmental Expression of IL-12Rb2 on Murine Naive Neonatal T Cells Counteracts the Upregulation of IL-13Rα1 on Primary Th1 Cells and Balances Immunity in the Newborn
Christine M. Hoeman, Mermagya Dhakal, Adam A. Zaghouani, Jason A. Cascio, Xiaoxiao Wan, Marie-Therese Khairallah, Weirong Chen, and Habib Zaghouani

Age-Associated Changes in the Differentiation Potentials of Human Circulating Hematopoietic Progenitors to T- or NK-Lineage Cells
Seishi Kyoizumi, Yoshiko Kubo, Junko Kajimura, Kengo Yoshida, Kazue Imai, Tomonori Hayashi, Kei Nakachi, Lauren F. Young, Malcolm A. Moore, Marcel R. M. van den Brink, and Yoichiro Kusunoki

IL-7 Produced by Thymic Epithelial Cells Plays a Major Role in the Development of Thymocytes and TCRγδ+ Intraepithelial Lymphocytes
Soichiro Shitara, Takahiro Hara, Bingfei Liang, Keisuke Wagatsuma, Saulius Zuklys, Georg A. Holländer, Hiroshi Nakase, Tiutomu Chiba, Shizue Tani-ichi, and Koichi Ikuta

Recent Thymic Emigrants and Mature Naive T Cells Exhibit Differential DNA Methylation at Key Cytokine Loci
Amy M. Berkley, Deborah W. Hendricks, Kalynn B. Simmons, and Pamela J. Fink

Identification of TMEM131L as a Novel Regulator of Thymocyte Proliferation in Humans
Nesrine Maharzi, Véronique Parietti, Elisabeth Nelson, Simona Denti, Macarena Robledo-Sarmiento, Nicolas Setterblad, Aude Parcelier, Marike Pla, François Signaux, Jean Claude Gluckman, and Bruno Canque

Allelic Variation in KIR2DL3 Generates a KIR2DL2-like Receptor with Increased Binding to its HLA-C Ligand
William R. Frazier, Noriko Steiner, Libhua Hou, Sivanesan Dakshanamurthy, and Carolyn Katovich Hurley
6209 Y Chromosome–Linked B and NK Cell Deficiency in Mice
Shu-lan Sun, Satoshi Horino, Ari Itoh-Nakadai, Takeshi Kawabe, Atsuko Asao, Takeshi Takabashi, Takanori So, Ryo Funayama, Motonari Kondo, Hirotomon Saito, Naomichi Matsumoto, Keiko Nakayama, and Naoto Ishii

IMMUNOTHERAPY AND VACCINES

6221 Immunization with Biodegradable Nanoparticles Efficiently Induces Cellular Immunity and Protects against Influenza Virus Infection
Torben Knauscke, Viktoriya Sokolova, Olga Rotan, Munish Wadwa, Matthias Tenbusch, Wiebke Hansen, Peter Staeheli, Matthias Epple, Jan Buer, and Astrid M. Westendorf

6230 Human IL-2 Mutein with Higher Antitumor Efficacy Than Wild Type IL-2
Tania Carmenate, Anabel Pacios, Michel Enamorado, Ernesto Moreno, Karina García-Martínez, Dasha Fuente, and Kalet León

6239 A Novel Targeting Therapy of Malignant Mesothelioma Using Anti-Podoplanin Antibody

6250 Soluble CD27-Pool in Humans May Contribute to T Cell Activation and Tumor Immunity
Jianping Huang, Caroline Jochems, Austin M. Anderson, Tara Talia, Aleksandra Jales, Ravi A. Madan, James W. Hodge, Kwong Y. Tsang, David J. Liewehr, Seth M. Steinberg, James L. Gulley, and Jeffrey Schlom

6259 Profound Impairment of Adaptive Immune Responses by Alkylating Chemotherapy
Adam J. Litterman, David M. Zellmer, Karen L. Grimm, Matthew A. Hunt, Arkadiusz Z. Dudek, Andres M. Salazar, and John R. Ohlfest

INFECTIOUS DISEASE AND HOST RESPONSE

6269 Markers of Nonselective and Specific NK Cell Activation
Leslie A. Fogel, Michel M. Sun, Theresa L. Geurs, Leonidas N. Carayannopoulos, and Anthony R. French

6277 PD-L1/B7–H1 Regulates the Survival but Not the Function of CD8+ T Cells in Herpes Simplex Virus Type 1 Latently Infected Trigeminal Ganglia
Sohyun Jeon, Anthony J. St. Leger, Thomas L. Cherpes, Brian S. Sheridan, and Robert L. Hendricks

6287 STAT4-Dependent and -Independent Th2 Responses Correlate with Protective Immunity against Lung Infection with Pneumocystis murina
Riley C. Myers, Chad W. Dunaway, Michael P. Nelon, Jennifer L. Trevor, Alison Morris, and Chad Steele

6295 An Essential Role of Antibodies in the Control of Chikungunya Virus Infection
Fok-Moon Lum, Teck-Hui Teo, Wendy W. L. Lee, Yiu-Wing Kam, Laurent Rénia, and Lisa F. P. Ng

6303 Proteolytic Activation Transforms Heparin Cofactor II into a Host Defense Molecule
Martina Kalle, Praveen Papareddy, Gopinath Kasety, Douglas M. Tollefsen, Martin Malnsten, Matthias Mörkelin, and Artur Schmidchen

6311 Control of Chronic Mycobacterium tuberculosis Infection by CD4 KLRG1– IL-2–Secreting Central Memory Cells
Thomas Lindenstrøm, Niels Peter Hell Knudsen, Else Marie Agger, and Peter Andersen

6320 Monocyte-Derived IL-5 Reduces TNF Production by Mycobacterium tuberculosis–specific CD4 T Cells during SIV/M. tuberculosis Coinfection
Collin R. Diedrich, Joshua T. Mattila, and JoAnne L. Flynn

6329 IL-1α Signaling Initiates the Inflammatory Response to Virulent Legionella pneumophila In Vivo
Kevin C. Barry, Mary F. Fontana, Jonathan L. Portman, Aisling S. Dugan, and Russell E. Vance

6340 Truncated Form of TGF-βRII, But Not Its Absence, Induces Memory CD8+ T Cell Expansion and Lymphoproliferative Disorder in Mice
Harumichi Ishigame, Munir M. Mosaheb, Shomyseh Sanjabi, and Richard A. Flavell
GB Virus C Particles Inhibit T Cell Activation via Envelope E2 Protein-Mediated Inhibition of TCR Signaling
Nirjal Bhattarai, James H. McLinden, Jinhua Xiang, Alan L. Landay, Ernest T. Chivero, and Jack T. Stapleton

INNATE IMMUNITY AND INFLAMMATION

Role of Macrophage Receptor with Collagenous Structure in Innate Immune Tolerance
Jian Jing, Ivana V. Yang, Lucy Hui, Jay A. Patel, Christopher M. Evans, Rytis Prikeris, Lester Kobzik, Brian P. O’Connor, and David A. Schwartz

TLR3-Triggered Reactive Oxygen Species Contribute to Inflammatory Responses by Activating Signal Transducer and Activator of Transcription-1
Chul-Su Yang, Jwa-Jin Kim, Sung Joong Lee, Jung Huan Huang, Chul-Ho Lee, Myung-Shik Lee, and Eun-Kyeong Jo

Inhaled Carbon Monoxide Accelerates Resolution of Inflammation via Unique Proresolving Mediator–Heme Oxygenase-1 Circuits
Nan Chiang, Masakazu Shinohara, Jesmond Dalli, Valbona Mirakaj, Megumi Kibi, Augustine M. K. Choi, and Charles N. Serhan

Comparative Analysis of Monocyte Subsets in the Pig
Lynsey Fairbairn, Ronan Kapetanovic, Dario Beraldì, David P. Sester, Chris K. Tuggle, Alan L. Archibald, and David A. Hume

Galectin-1–Mediated Suppression of Pseudomonas aeruginosa–Induced Corneal Immunopathology
Amol Suryawanshi, Zhiyi Cao, Thananya Thitiprasert, Tanveer S. Zaidi, and Noorjan Panjwani

Assembly of the TLR2/6 Transmembrane Domains Is Essential for Activation and Is a Target for Prevention of Sepsis
Avner Fink, Eliran M. Reuven, Christopher J. Arnusch, Liraz Shmuel-Galia, Niv Antonovsky, and Yechiel Shai

Roles of Adipocytes and Fibroblasts in Activation of the Alternative Pathway of Complement in Inflammatory Arthritis in Mice

Adam8 Limits the Development of Allergic Airway Inflammation in Mice
Martin D. Knolle, Takahiro Nakajima, Anja Hergrueter, Kushagra Gupta, Francesca Polverino, Vanesa J. Craig, Susanne E. Fyfe, Muhammad Zahid, P¨erdita Permaul, Manuela Cernadas, Gilbert Montano, Yohannes Tefa¨lgi, Lynette Sholl, Lester Kobzik, Elliot Israel, and Caroline A. Owen

Cell-Autonomous Regulation of Neutrophil Migration by the D6 Chemokine Decoy Receptor
Antal Rot, Clive McKinnon, Claire L. Burt, Kenneth J. Pallas, Thomas Jamesion, Monika Pruenster, Richard Horuk, Robert J. B. Nibbs, and Gerard J. Graham

Identification of a Novel Mode of Complement Activation on Stimulated Platelets Mediated by Properdin and C3(H2O)
Gurpanna Saggu, Claudio Cortes, Heather N. Emech, Galia Ramirez, Randall G. Worth, and Viviana P. Ferreira

Dipeptidyl Peptidase IV Is a Human and Murine Neutrophil Chemorepellent
Sarah E. Herluby, Darrell Pilling, Anu S. Maharanj, and Richard H. Gomer

Proresolving and Tissue-Protective Actions of Annexin A1–Based Cleavage-Resistant Peptides Are Mediated by Formyl Peptide Receptor 2/Lipoxin A4 Receptor
Jesmond Dalli, Angelo P. Consalvo, Vicki Ray, Clara Di Filippo, Michele D’Amico, Nezer Mehta, and Mauro Perretti

Pseudogout-Associated Inflammatory Calcium Pyrophosphate Dihydrate Microcrystals Induce Formation of Neutrophil Extracellular Traps
Lan Pang, Craig P. Hayes, Kristina Buac, Dae-goyn Yoo, and Balazs Rada

SOCS3 Regulates BAFF in Human Enterocytes under Ribosomal Stress
Kee Hun Do, Hye Jin Choi, Juil Kim, Seong-Hwan Park, Ki-Hyung Kim, and Yuwok Moon
Propofol Inhibits Superoxide Production, Elastase Release, and Chemotaxis in Formyl Peptide–Activated Human Neutrophils by Blocking Formyl Peptide Receptor 1
Shun-Chin Yang, Pei-Jen Chung, Chiu-Ming Ho, Chan-Yen Kuo, Min-Fa Hung, Yin-Ting Huang, Wen-Yi Chang, Ya-Wen Chang, Kwok-Hon Chan, and Tsong-Long Hwang

Reciprocal Negative Cross-Talk between Liver X Receptors (LXRs) and STAT1: Effects on IFN-γ–Induced Inflammatory Responses and LXR-Dependent Gene Expression
Mónica Pascual-García, Laura Rué, Theresa León, Josep Julve, José María Carbó, Jonathan Matalonga, Herbert Auer, Antonio Celada, Joan Carles Escolà-Gil, Knut R. Steffensen, Esther Pérez-Navarro, and Annabel F. Valledor

Early Inhibition of IL-1β Expression by IFN-γ Is Mediated by Impaired Binding of NF-κB to the IL-1β Promoter but Is Independent of Nitric Oxide
Tatjana Eigenbrod, Konrad A. Bode, and Alexander H. Dalpke

MicroRNA let-7c Regulates Macrophage Polarization
Sami Banerjee, Na Xie, Huachun Cui, Zheng Tan, Shanzhong Yang, Mert Içayaz, Edward Abraham, and Gang Liu

Enhancement of CCL15 Expression and Monocyte Adhesion to Endothelial Cells (ECs) after Hypoxia/Reoxygenation and Induction of ICAM-1 Expression by CCL15 via the JAK2/STAT3 Pathway in ECs
Keun Hyung Park, Tae Hoon Lee, Chan Woo Kim, and Jiyoung Kim

Pleiotropic Potential of Dehydroxymethylepoxyquinomicin for NF-κB Suppression via Reactive Oxygen Species and Unfolded Protein Response
Shotaro Nakajima, Hironori Kato, Liubao Gu, Shuhei Takahashi, Hisashi Johno, Kazuo Umezawa, and Masanori Kitamura

A Potential Suppressive Effect of Natural Antisense IL-1β RNA on Lipopolysaccharide-Induced IL-1β Expression
Jiawei Lu, Xiurong Wu, Mao Hong, Peter Tobias, and Jiahuai Han

MOLECULAR AND STRUCTURAL IMMUNOLOGY

miR-142-3p Is Involved in CD25⁺ CD4 T Cell Proliferation by Targeting the Expression of Glycoprotein A Repetitions Predominant
Qihui Zhou, Sonja Haupt, Iryna Prots, Katja Thünmler, Elisabeth Kremmer, Peter E. Lipsky, Hendrik Schulze-Koops, and Alla Skapenko

Superantigen-Induced Steroid Resistance Depends on Activation of Phospholipase Cβ2
Auke P. Verhaar, Manon E. Wildenberg, Marjolijn Duijvestein, Anne Christine W. Voo, Maikel P. Peppelenbosch, Mark Löwenberg, Daniel W. Hommes, and Gijs R. van den Brink

MUCOSAL IMMUNOLOGY

Mechanism of IL-1β Modulation of Intestinal Epithelial Barrier Involves p38 Kinase and Activating Transcription Factor-2 Activation
Rana Al-Sadi, Shubong Guo, Dongmei Ye, Karol Dochladny, Tarik Alhmoud, Lisa Ereifej, Hamid M. Said, and Thomas Y. Ma

Total Parenteral Nutrition–Associated Lamina Propria Inflammation in Mice Is Mediated by a MyD88-Dependent Mechanism
Eiichi A. Miyasaka, Yongjia Feng, Valeriy Poroyko, Nicole R. Falkowski, John Erb-Downward, Merritt G. Gilliland, III, Katie L. Mason, Gary B. Huffnagle, and Daniel H. Teitelbaum

Th1/Th17-Mediated Interstitial Pneumonia in Chronic Colitis Mice Independent of Intestinal Microbiota
Yasuhiro Nemoto, Takanori Kanai, Masahiro Takahara, Shigeru Oshina, Ryuichi Okamoto, Kiihiro Tsuchiya, Satoshi Matsumoto, and Mamoru Watanabe

Helicobacter pylori Infection Inhibits Phagocyte Clearance of Apoptotic Gastric Epithelial Cells
Dieter Bimczok, Lesley E. Smythies, Ken B. Waites, Jayleen M. Grams, Richard D. Stahl, Peter J. Mannon, Shajan Peter, C. Mel Wilcox, Paul R. Harris, Soumita Das, Peter B. Ernst, and Phillip D. Smith
TRANSPLANTATION

6635 HLA Class I Antibodies Trigger Increased Adherence of Monocytes to Endothelial Cells by Eliciting an Increase in Endothelial P-Selectin and, Depending on Subclass, by Engaging FcγRs
Nicole M. Valenzuela, Arend Mulder, and Elaine F. Reed

TUMOR IMMUNOLOGY

6651 Host B7-H4 Regulates Antitumor T Cell Responses through Inhibition of Myeloid-Derived Suppressor Cells in a 4T1 Tumor Transplantation Model
Joanne Leung and Woong-Kyung Suh

6662 Inhibition of Glycogen Synthase Kinase-3 Increases NKG2D Ligand MICA Expression and Sensitivity to NK Cell–Mediated Cytotoxicity in Multiple Myeloma Cells: Role of STAT3
Cinzia Fionda, Giulia Maagarini, Alessandra Soriani, Alessandra Zingoni, Francesca Ceccere, Maria Luisa Iannitto, Maria Rosaria Ricciardi, Vincenzo Federico, Maria Teresa Petrucci, Angela Santoni, and Marco Cippitelli

6673 Protective Role of the Inflammatory CCR2/CCL2 Chemokine Pathway through Recruitment of Type 1 Cytotoxic γδ T Lymphocytes to Tumor Beds
Telma Langa, Maria Fernanda Costa, Natacha Gonçalves-Sousa, Margarida Rei, Ana Rita Grosso, Carmen Penido, and Bruno Silva-Santos

CORRECTIONS

6707 Correction: High Affinity IgG Antibodies Develop Naturally in Ig-Knockout Rats Carrying Germline Human IgH/Igκ/Igλ Loci Bearing the Rat Cμ1 Region
Michael J. Osborn, Biao Ma, Suzanne Avis, Ashleigh Binnie, Jeanette Dilley, Xi Yang, Kevin Lindquist, Séverine Ménoret, Anne-Laure Iscache, Laure-Hélène Ouisse, Arvind Rajpal, Ignacio Anegon, Michael S. Neuberger, Roland Buelow, and Marianne Brüggemann

6708 Correction: Peptidoglycan Recognition Protein 1 Enhances Experimental Asthma by Promoting Th2 and Th17 and Limiting Regulatory T Cell and Plasmacytoid Dendritic Cell Responses
Shin Yong Park, Xuefang Jing, Dipika Gupta, and Roman Dziarski

6709 Correction: Targeting Macrophage Activation for the Prevention and Treatment of Staphylococcus aureus Biofilm Infections
Mark L. Hanke, Cortney E. Heim, Amanda Angle, Sam D. Sanderson, and Tammy Kielian

6711 Correction: B Cell Activation Is Regulated by the Stiffness Properties of the Substrate Presenting the Antigens
Zhengpeng Wan, Shaoen Zhang, Yilin Fan, Kai Liu, Feng Du, Angel M. Davey, Huaiyuan Zhang, Weidong Han, Chunyang Xiong, and Wanli Liu

AUTHOR INDEX

6715 AUTHOR INDEX TO VOLUME 190

SUBJECT INDEX TO VOLUME 190

6738