179 (7)

This information is current as of April 14, 2017.

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

**PILLARS OF IMMUNOLOGY**

4299  The Peptide Cargo of Class I Molecules: Not Just Passive Passengers  
*Hidde L. Ploegh*

*Alain Townsend, Claes Öhleón, Judy Bastin, Hans-Gustaf Ljunggren, Linda Foster, and Klas Kärre*

### BRIEF REVIEWS

4307  A New Class of Reverse Signaling Costimulators Belongs to the TNF Family  
*Mingyi Sun and Pamela J. Fink*

### CUTTING EDGE

4313  Cutting Edge: An In Vivo Requirement for STAT3 Signaling in T<sub>H17</sub> Development and T<sub>H17</sub>-Dependent Autoimmunity  
*Timothy J. Harris, Joseph F. Gros, Hung-Bong Yen, Hong Xin, Marcin Kortylewski, Emilia Albesiano, Edward L. Hipkiss, Derese Getnet, Monica V. Goldberg, Charles H. Maris, Franck Housseau, Hua Yu, Drew M. Pardoll, and Charles G. Drake*

4318  Cutting Edge: Lack of Evidence for Connexin-43 Expression in Human Epidermal Langerhans Cells  
*Simone C. Zimmerli, Florence Maison, José Cancela, Paolo Meda, and Conrad Hauser*

### CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

4323  CD<sup>8+</sup>CD<sup>28−</sup> T Regulatory Lymphocytes Inhibiting T Cell Proliferative and Cytotoxic Functions Infiltrate Human Cancers  
*Gilberto Filaci, Daniela Fenoglio, Marco Fravega, Gianluca Ansaldo, Giacomo Borgonovo, Paolo Traverso, Barbara Villaggio, Alessandra Ferrera, AnnaLisa Kunkl, Maria Rizzi, Francesca Ferrera, Piercesare Balestra, Massimo Ghio, Paola Contini, Maurizio Setti, Daniel Olive, Bruno Azzarone, Giorgio Carnignani, Jean Louis Ravetti, Giancarlo Torre, and Francesco Indiveri*

---

On the cover: 40x H&E stain of paraformaldehyde-fixed and paraffin-embedded human skin grafted onto C.B-17 SCID/beige mice that had been adoptively transferred with human effector memory CD4<sup>+</sup> T cells (CD45RO<sup>+</sup>CCR7<sup>−</sup>CD62L<sup>−</sup>) and harvested after 3 wk. The dermis shows signs of significant rejection including extensive infiltration of leukocytes and thrombosis of the microvasculature. Shiao, S. L., N. C. Kirkiles-Smith, B. R. Shepherd, J. M. McNiff, E. J. Carr, and J. S. Pober. 2007. Human effector memory CD4<sup>+</sup> T cells directly recognize allogeneic endothelial cells in vitro and in vivo. *J. Immunol.* 179: 4297–4944.
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>4335</td>
<td>Natural Phosphorylation of CD5 in Chronic Lymphocytic Leukemia B Cells and Analysis of CD5-Regulated Genes in a B Cell Line Suggest a Role for CD5 in Malignant Phenotype</td>
<td>Hélène Gary-Gouy, Alexander Sainz-Perez, Jean-Brice Mateau, Anne Marfaing Koka, Jozo Delic, Hélène Merle-Beral, Pierre Galanaud, and Ali Dalloul</td>
</tr>
<tr>
<td>4345</td>
<td>Copolymer-1 Induces Adaptive Immune Anti-inflammatory Glial and Neuroprotective Responses in a Murine Model of HIV-1 Encephalitis</td>
<td>Santith Gorantla, Jianou Liu, Hannah Sneller, Huanyu Dou, Adelina Holguin, Lynette Smith, Tsunei Ikezu, David J. Volsky, Larisa Poluektova, and Howard E. Gendelman</td>
</tr>
<tr>
<td>4357</td>
<td>TLR2 Signaling Renders Quiescent Naive and Memory CD4+ T Cells More Susceptible to Productive Infection with X4 and R5 HIV-Type 1</td>
<td>Sandra Thibault, Mélanie R. Tardif, Corinne Barat, and Michel J. Tremblay</td>
</tr>
<tr>
<td>4367</td>
<td>Ambient Ozone Primes Pulmonary Innate Immunity in Mice</td>
<td>John W. Hollingsworth, Shinchiyo Matsuoka, Zhuwei Li, Stavros Garantziotis, Erin N. Potts, David M. Brass, Alan Fong, W. Michael Foster, and David A. Schwartz</td>
</tr>
<tr>
<td>4376</td>
<td>TLR2 Signaling Renders Quiescent Naive and Memory CD4+ T Cells More Susceptible to Productive Infection with X4 and R5 HIV-Type 1</td>
<td>Sandra Thibault, Mélanie R. Tardif, Corinne Barat, and Michel J. Tremblay</td>
</tr>
<tr>
<td>4383</td>
<td>Normal Establishment of Virus-Specific Memory CD8 T Cell Pool following Primary Infection during Pregnancy</td>
<td>Carolyn M. Constantin, David Masopust, Tania Gourley, Jason Grayson, Ora L. Strickland, Rafi Ahmed, and Elizabeth A. Bonney</td>
</tr>
<tr>
<td>4390</td>
<td>Serine Protease Inhibitor 6-Deficient Mice Have Increased Neutrophil Immunity to Pseudomonas aeruginosa</td>
<td>Manling Zhang, Ni Lin, Sun-Mi Park, Yue Wang, Susan Byrne, Andrea E. Murmann, Scott Bahr, and Marcus E. Peter, Steven T. Olson, Abderrazzag Belouan, and Philip G. Ashton-Rickardt</td>
</tr>
<tr>
<td>4397</td>
<td>Human Effector Memory CD4+ T Cells Directly Recognize Allogeneic Endothelial Cells In Vitro and In Vivo</td>
<td>Stephen L. Shiao, Nancy C. Kirkler-Smith, Benjamin R. Shepherd, Jennifer M. McNiff, Edward J. Carr, and Jordan S. Pober</td>
</tr>
<tr>
<td>4405</td>
<td>The Transcription Factor Zbtb7b Promotes CD4 Expression by Antagonizing Runx-Mediated Activation of the CD4 Silencer</td>
<td>Kathryn F. Wildt, Guangping Sun, Barchel Grueter, Maria Fischer, Monica Zamiuch, Marc Ehlers, and Rémy Bosset</td>
</tr>
<tr>
<td>4415</td>
<td>IL-27 Suppresses Th2 Cell Development and Th2 Cytokines Production from Polarized Th2 Cells: A Novel Therapeutic Way for Th2-Mediated Allergic Inflammation</td>
<td>Tomohiro Yoshimoto, Takayuki Yoshimoto, Koubun Yasuda, Junichiro Mizuguchi, and Kenji Nakanishi</td>
</tr>
<tr>
<td>4424</td>
<td>Intercellular Transfer of Carcinoembryonic Antigen from Tumor Cells to NK Cells</td>
<td>Noam Stern-Ginsar, Sbomo Nedvetzki, Gal Markel, Roi Gazit, Gili Better-Cohen, Hagit Achdout, Memet Aker, Richard S. Blumberg, Daniel M. Davis, Ben Appelmelk, and Ofer Mandelboim</td>
</tr>
<tr>
<td>4435</td>
<td>Ubiquitylation of IgB Dictates the Endocytic Fate of the B Cell Antigen Receptor</td>
<td>Miao Zhang, Margaret Vesilis, Shannon O’Neill, Ping Hou, Alagarsamy L. Reddi, Ilana Berlin, Masato Ikeda, Piers D. Nash, Richard Longnecker, Hamid Band, and Marcus R. Clark</td>
</tr>
<tr>
<td>4444</td>
<td>TLR4 on Follicular Dendritic Cells: An Activation Pathway That Promotes Accessory Activity</td>
<td>Mobey Eldon M, El Shikh, Rania M. El Sayed, Yongzhong Wu, Andreas K. Szakal, and John G. Tew</td>
</tr>
<tr>
<td>4451</td>
<td>Inhibition of Terminal Complement Components in Presensitized Transplant Recipients Prevents Antibody-Mediated Rejection Leading to Long-Term Graft Survival and Accommodation</td>
<td>Hao Wang, Jacqueline Arp, Weihea Liu, Susan J. Fass, Jifu Jiang, David R. Gies, Siobhan Ramcharran, Bertha Garcia, Robert Zhong, and Russel P. Rother</td>
</tr>
<tr>
<td>4464</td>
<td>B Cell Antigen Receptor-Induced Rac1 Activation and Rac1-Dependent Spreading Are Impaired in Transitional Immature B Cells Due to Levels of Membrane Cholesterol</td>
<td>Randall J. Brezski and John G. Monroe</td>
</tr>
</tbody>
</table>
Negative Regulation of CD40-Mediated B Cell Responses by E3 Ubiquitin Ligase Casitas-B-Lineage Lymphoma Protein-B
Guilin Qiao, Minxiang Lei, Zhenping Li, Yonglian Sun, Andrew Minto, Yang-Xin Fu, Haiyan Ying, Richard J. Quigg, and Jian Zhang

Surfactant Protein A Activation of Atypical Protein Kinase C ζ in IκB-α-Dependent Anti-Inflammatory Immune Regulation
Christina Moulakakis, Stefanie Adam, Ulrike Setzer, Andrea B. Schromm, Michael Leitges, and Cordula Stamme

T Regulatory Cells Control Numbers of NK Cells and CD8α+ Immature Dendritic Cells in the Lymph Node Paracortex
Martin Giroux, Ekaterina Yurchenko, Jessica St.-Pierre, Ciriac A. Piccirillo, and Claude Perreault

EAE Tolerance Induction with Hsp70-peptide Complexes Depends on H60 and NKG2D Activity
Grazyna Galazka, Anna Jurewicz, Wojciech Orlowski, Mariusz Stasiolek, Celia F. Brosnan, Cedric S. Raine, and Krzysztof Selmaj

The CD16+CD56bright NK Cell Subset Is Resistant to Reactive Oxygen Species Produced by Activated Granulocytes and Has Higher Antioxidative Capacity Than the CD16+CD56dim Subset
Helena Harlin, Mikael Hanson, C. Christian Johansson, Daiju Sakurai, Isabel Poschke, Håkan Norell, Karl-Johan Malmberg, and Rolf Kiessling

Pathogen-Specific CD8 T Cell Responses Are Directly Inhibited by IL-10
Partha Sarati Biswas, Virginia Pedicord, Alexander Plou, Ewa Menet, Ingrid Leiner, and Eric G. Pamer

Defective Alloreactive CD8 T Cell Function and Memory Response in Allograft Recipients in the Absence of CD4 Help
Yuan Zhai, Yue Wang, Zheng Wu, and Jerzy W. Kapiec-Weglinski

Skin-Derived Dendritic Cells Can Mediate Deletional Tolerance of Class I-Restricted Self-Reactive T Cells

IFN-γ Mediates TNF-α-Induced STAT1 Phosphorylation and Induction of Retinoic Acid-Inducible Gene-I in Human Cervical Cancer Cells
Tomoh Matsumiya, Stephen M. Prescott, and Diana M. Stafforini

CD83 Expression Is a Sensitive Marker of Activation Required for B Cell and CD4+ T Cell Longevity In Vivo
Charlene M. Prazna, Norihito Yazzawa, Yoko Fujimoto, Manabu Fujimoto, and Thomas F. Tedder

Characterization of the Functional Properties of the Voltage-Gated Potassium Channel Kv1.3 in Human CD4+ T Lymphocytes
Lina Hu, Michael Pennington, Qiong Jiang, Katharine A. Whartenby, and Peter A. Calabresi

Killing Kinetics of Simian Immunodeficiency Virus-Specific CD8+ T Cells: Implications for HIV Vaccine Strategies
Erik Rollman, Miranda Z. Smith, Andrew G. Brooks, Damian F. J. Purcell, Bartek Zuber, Ian A. Ramshaw, and Stephen J. Kent

Neonatal FcR Expression in Bone Marrow-Derived Cells Functions to Protect Serum IgG from Catabolism
Shreshram Akilesh, Gregory J. Christianson, Derry C. Roopenian, and Andrey S. Shaw

Phosphatidylinositol 3-Kinase/Akt Activation by Integrin-Tumor Matrix Interaction Suppresses Fas-Mediated Apoptosis in T Cells
Chung-Chen Su, Yu-Ping Lin, Yu-Jung Cheng, Jyun-Yuan Huang, Woei-Jer Chuang, Yan-Shen Shan, and Bei-Chang Yang

Calcineurin Negatively Regulates TLR-Mediated Activation Pathways
Young Jun Kang, Brenda Ksler, Motoyuki Otsuka, Michael Hughes, Nobutaka Suzuki, Shinobu Suzuki, Wen-Chen Yeh, Shizuo Akira, Jiabing Han, and Patricia P. Jonesi
Qa-1β-Dependent Modulation of Dendritic Cell and NK Cell Cross-Talk In Vivo
Paula Colmenero, Angela L. Zhang, Ting Qian, Linrong Lu, Harvey Cantor, Kalle Söderström, and Edgar G. Engleman

All-trans Retinoic Acid Enhances Murine Dendritic Cell Migration to Draining Lymph Nodes via the Balance of Matrix Metalloproteinases and Their Inhibitors
Stephanie Darmanin, Jian Chen, Songji Zhao, Hongyan Cui, Reza Shirkoohi, Naoki Kubo, Yuji Kuge, Nagara Tamaki, Koji Nakagawa, Jun-ichi Hamada, Tetsuya Moriuchi, and Masanobu Kobayashi

CTLA-4 and CD4+CD25+ Regulatory T Cells Inhibit Protective Immunity to Filarial Parasites In Vivo
Matthew D. Taylor, Anjanette Harris, Simon A. Bahyan, Odile Bain, Abigail Calshaw, Judith E. Allen, and Rick M. Maizels

Fyn Regulates the Duration of TCR Engagement Needed for Commitment to Effector Function
Andrew Filby, Benedict Seddon, Joanna Kłeczkowska, Robert Salmond, Peter Tomlinson, Michal Smida, Jonathan A. Lindquist, Burkhard Schraven, and Rose Zamoyska

A Novel Mechanism for TNFR-Associated Factor 6-Dependent CD40 Signaling
Sarah L. Rowland, Mikaela M. Tremblay, Jason M. Ellison, Laura L. Stunz, Gail A. Bishop, and Bruce S. Hostager

NK Dendritic Cells Expanded in IL-15 Exhibit Antitumor Responses In Vivo
Umer I. Chaudhry, George Plitas, Bryan M. Burt, T. Peter Kingham, Jesse R. Raab, and Ronald P. DeMatteo

iNKT Cells Require CCR4 to Localize to the Airways and to Induce Airway Hyperreactivity
Everett H. Meyer, Marc-André Wurbel, Tracy L. Saton, Muriel Pichavant, Matthew J. Kan, Paul B. Savage, Rosemarie H. DeKruyff, Eugene C. Butcher, James J. Campbell, and Dale T. Umetsu

CS1 (CRACC, CD319) Induces Proliferation and Autocrine Cytokine Expression on Human B Lymphocytes
Jae Kyung Lee, Stephen O. Mathew, Swapnil V. Vaidya, Pappanaicken R. Kumaresan, and Porunelloor A. Mathew

Kruppel-Like Factor 4 Regulates B Cell Number and Activation-Induced B Cell Proliferation
Jettanong Klaewsongkram, Yinhua Yang, Susanne Golech, Jonathan Katz, Klaus H. Kaestner, and Nan-ling Weng

Autoantigen-Specific TGFβ-Induced Foxp3+ Regulatory T Cells Prevent Autoimmunity by Inhibiting Dendritic Cells from Activating Autoreactive T Cells
Richard J. DiPaolo, Carine Brinster, Todd S. Davidson, John Andersson, Deborah Glass, and Ethan M. Shevach

Molecular and Structural Immunology

Early Growth Response 1 and NF-ATc1 Act in Concert to Promote Thymocyte Development beyond the β-Selection Checkpoint
Ekaterina K. Kolosov, Maria Ciofani, Robert Benezra, Toru Miyazaki, Neil Clipstone, Juan Carlos Zúñiga-Pflücker, and David L. Wiest

Immunogenetics

Genetic Variation in PTPN22 Corresponds to Altered Function of T and B Lymphocytes
Mary Rieck, Adrian Arechiga, Suna Onengut-Gumuscu, Carla Greenbaum, Patrick Concannon, and Jane H. Buckner

Host Defense

Differential Role of TLR- and RLR-Signaling in the Immune Responses to Influenza A Virus Infection and Vaccination
Shohei Koyama, Ken J. Ishii, Himanju Kumar, Takeshi Tanimoto, Cesayir Coban, Satoishi Uematsu, Taro Kawai, and Shizuo Akira

Alternatively Activated Macrophages in Intestinal Helminth Infection: Effects on Concurrent Bacterial Colitis
Meiqian Weng, Deke Huntley, I-Fei Huang, Ondulla Foye-Jackson, Lijian Wang, Aliese Sarkissian, Qingping Zhou, W. Allan Walker, Bobby J. Cherayil, and Hai Ning Shi
Live Attenuated Lentivirus Infection Elicits Polyfunctional Simian Immunodeficiency Virus Gag-Specific CD8⁺ T Cells with Reduced Apoptotic Susceptibility in Rhesus Macaques that Control Virus Replication after Challenge with Pathogenic SIVmac239
Meritxell Genésc, Tracy Rourke, Jun Li, Kristen Bost, Barinderpaul Chohan, Michael B. McChesney, and Christopher J. Miller

In Vivo Electroporation Enhances the Immunogenicity of Hepatitis C Virus Nonstructural 3/4A DNA by Increased Local DNA Uptake, Protein Expression, Inflammation, and Infiltration of CD3⁺ T Cells
Gustaf Ahlén, Jonas Söderholm, Torunn Tjelle, Rune Kjeken, LarsFredin, Urban Höglund, Pontus Blomberg, Michael Fons, Iacob Mathiesen, and Matti Sällberg

TLR9 Activation Induces Normal Neutrophil Responses in a Child with IRAK-4 Deficiency: Involvement of the Direct PI3K Pathway
Cyrille Hoarau, Bénédicte Gérard, Emmanuel Lescanne, Dominique Henry, Stéphanie François, Jean-Jacques Lacapère, Jamel El Benna, Pham My-Chan Dang, Bernard Grandchamp, Yvon Lebranchu, Marie-Anne Gougerot-Pocidalo, and Carole Elbim

Analysis of Eosinophil Turnover In Vivo Reveals Their Active Recruitment to and Prolonged Survival in the Peritoneal Cavity
Caspar Ohnmacht, Andrea Pullner, Nico van Roonjen, and David Voehringer

IFN Regulatory Factor 8 Mediates Apoptosis in Nonhemopoietic Tumor Cells via Regulation of Fas Expression
Dafeng Yang, Muthuamy Thangaraju, Darren D. Browning, Zheng Dong, Borys Korchin, Dina C. Lev, Vadivel Ganapathy, and Kevin Liu

ASC/PYCARD and Caspase-1 Regulate the IL-18/IFN-γ Axis during Anaplasma phagocytophilum Infection
João H. F. Pedra, Fayyaz S. Sutterwala, Bindu Sukumaran, Yasunori Ogura, Feng Qian, Ruth R. Montgomery, Richard A. Flavell, and Erol Fikrig

INFLAMMATION

The Role of the Prostaglandin D₂ Receptor, DP, in Eosinophil Trafficking
Petra Schratl, Julia F. Royer, Evi Kostenis, Trond Ulven, Eva M. Storm, Maria Waldhoer, Gerald Hoefler, Rafina Schuligoi, Irmgard Th. Lippe, Bernhard A. Peskar, and Akos Heinemann

Deletion of Secretory Group V Phospholipase A₂ Attenuates Cell Migration and Airway Hyperresponsiveness in Immunosensitized Mice
Nilda M. Muñoz, Angelo Y. Meliton, Jonathan P. Arm, Joseph V. Bonventre, Wonhwa Cho, and Alan R. Leff

A Critical Role for TLR4 in the Pathogenesis of Necrotizing Enterocolitis by Modulating Intestinal Injury and Repair
Cynthia L. Leaphart, Jaime Cavallo, Steven C. Grihar, Selma Cetin, Jun Li, Maria F. Branca, Theresa D. Dubowski, Chbinder P. Sodhi, and David J. Hackam

TLR3-Dependent Induction of Nitric Oxide Synthase in RAW 264.7 Macrophage-Like Cells via a Cytosolic Phospholipase A₂/Cyclooxygenase-2 Pathway
José Pindado, Jesús Balasinde, and María A. Balboa

Aging Up-Regulates Expression of Inflammatory Mediators in Mouse Adipose Tissue
Dayong Wu, Zhishong Ren, Munkyoung Pae, Weimin Guo, Xuelin Cui, Alfred H. Merrill, and Simin Nikbin Meydani

Generation of Th1 and Th2 Chemokines by Human Eosinophils: Evidence for a Critical Role of TNF-α Lin Ying Liu, Mary Ellen Bates, Nizar N. Jarjour, William W. Buse, Paul J. Bertics, and Elizabeth A. B. Kelly

A Novel Inflammatory Pathway Involved in Leukocyte Recruitment: Role for the Kinin B₁ Receptor and the Chemokine CXCL5
Johan Duchene, Florence Lecomte, Saleh Ahmed, Cecile Cayla, Joao Pesquero, Michael Bader, Mauro Perretti, and Amrita Ahluwalia

B Cells Amplify IFN-γ Production By T Cells via a TNF-α-Mediated Mechanism
Laurence C. Menard, Laurie A. Minns, Sylvie Darche, Daniel W. Mielcarz, David M. Fouret, David Rooz, Florence Dzienszinski, Lloyd H. Kasper, and Dominique Buzoni-Gatel
Deficiency of the NF-κB Inhibitor Caspase Activating and Recruitment Domain 8 in Patients with Rheumatoid Arthritis Is Associated with Disease Severity
Ana Fontalba, Victor Martinez-Taboada, Olga Gutierrez, Carlos Papión, Natividad Benito, Alejandro Balsa, Ricardo Blanco, and Jose L. Fernandez-Luna

CLINICAL IMMUNOLOGY

Synergistic Induction of Antigen-Specific CTL by Fusions of TLR-Stimulated Dendritic Cells and Heat-Stressed Tumor Cells
Shigeo Koido, Eiichi Hara, Sadamu Homma, Makoto Mitsunaga, Akitaka Takahara, Eiijro Nagasaki, Hidejiro Kawahara, Michiaki Watanabe, Yoichi Toyama, Satoru Yanagisawa, Susumu Kobayashi, Katsuhiko Yanaga, Kiyouka Fujii, Jianlin Gong, and Hisao Tajiri

Elf-1 Binds to GGAA Elements on the FcγR Promoter and Represses Its Expression
Yuang-Taung Juang, Laarni Sumibcay, Mate Tolnay, Ying Wang, Vasileios C. Kyttaris, and George C. Tsokos

Defective Expression of Ras Guanyl Nucleotide-Releasing Protein 1 in a Subset of Patients with Systemic Lupus Erythematosus
Shinsuke Yasuda, Richard L. Stevens, Tomoko Terada, Masumi Takeda, Toko Hashimoto, Jun Fukae, Tetsuya Horita, Hiroshi Kataoka, Tatsuya Atsumi, and Takao Koike

Achieving Donor-Specific Hyporesponsiveness Is Associated with FOXP3+ Regulatory T Cell Recruitment in Human Renal Allograft Infiltrates
Oriol Bestard, Josep M. Cruzado, Mariona Mestre, Anna Caldes, Jordi Bas, Marta Carrera, Joan Torras, Inés Rama, Francesc Moreo, Daniel Serón, and Josep M. Grinyó

4-1BB Is Superior to CD28 Costimulation for Generating CD8+ Cytotoxic Lymphocytes for Adoptive Immunotherapy
Hua Zhang, Kristen M. Snyder, Megan M. Suboksi, Marcela V. Maus, Veena Kapoor, Carl H. June, and Crystal L. Mackall

Administration of a CD25-Directed Immunotoxin, LMB-2, to Patients with Metastatic Melanoma Induces a Selective Partial Reduction in Regulatory T Cells In Vivo
Daniel J. Powell, Jr., Aloisio Felipe-Silva, Maria J. Merino, Mojgan Ahmadzadeh, Tamika Allen, Catherine Levy, Donald E. White, Sharon Mavroukakis, Robert J. Kreitman, Steven A. Rosenberg, and Ira Pastan

Activation-Induced Cytidine Deaminase Expression in Follicular Dendritic Cell Networks and Interfollicular Large B Cells Supports Functionality of Ectopic Lymphoid Neogenesis in Autoimmune Sialoadenitis and MALT Lymphoma in Sjögren’s Syndrome
Michele Bombardieri, Francesca Barone, Frances Humby, Stephen Kelly, Mark McGurk, Peter Morgan, Stephen Challacombe, Salvatore De Vita, Guido Valesini, Jo Spencer, and Costantino Pitzalis

Autoantibodies in Canine Masticatory Muscle Myositis Recognize a Novel Myosin Binding Protein-C Family Member
Xiaohua Wu, Zhi-fang Li, Randolph Brooks, Elizabeth A. Komives, Justin W. Torpey, Eva Engevall, Steven L. Goniás, and G. Diane Shelton

Author Index
AAI Membership Application
AAI Trainee Membership Application