This information is current as of January 21, 2018.
### Cutting Edge

1819 Commentary: The Central Nervous System as an Immunocompetent Organ: Role of Glial Cells in Antigen Presentation  
Protul Shrikant and Etty N. Benveniste

1823 Commentary: Defective Ribosomal Products (DRiPs): A Major Source of Antigenic Peptides for MHC Class I Molecules?  
Jonathan W. Yewdell, Luis C. Antón, and Jack R. Bennink

1827 The Responses of Mature T Cells Are Not Necessarily Antagonized by Their Positively Selecting Peptide  
Leszek Ignatowicz, John Kappler, David C. Parker, and Philippa Marrack

### Cellular Immunology and Immune Regulation

1833 Analysis of Low Zone Tolerance Induction in Normal and B Cell-Deficient Mice  
Allison M. Baird and David C. Parker

1840 Induction of NK Activity in Murine and Human Cells by CpG Motifs in Oligodeoxynucleotides and Bacterial DNA  
Zuhair K. Ballas, Wendy L. Rasmussen, and Arthur M. Krieg

1846 Two Distinct Stimulus-Dependent Pathways Lead to Production of Soluble Murine Interleukin-4 Receptor  
Horst Blum, Martina Wolf, Karlheinz Enssle, Martin Röllinghoff, and André Gessner

1854 The CD5/CD72 Receptor System Is Coexpressed with Several Functionally Relevant Counterstructures on Human B Cells and Delivers a Critical Signaling Activity  
Andrea Cerutti, Livio Trentin, Renato Zambello, Rosaria Sancetta, Antonella Milani, Cristina Tassinari, Fausto Adami, Carlo Agostini, and Gianpietro Semenzato
A Novel Murine Model for the Assessment of Human CD2-Related Reagents In Vivo
Yaozhong Ding, Lihui Qin, Qing Yang, Jeffery D. Punch, David A. Fox, Paula S. Hochman, and Jonathan S. Bromberg

Neuroendocrine Regulation of Cytokine Production During Experimental Influenza Viral Infection: Effects of Restraint Stress-Induced Elevation in Endogenous Corticosterone
Cathleen M. Dobbs, Ningguo Feng, F. Michael Beck, and John F. Sheridan

Intracellular Signaling for Inducible Antigen Receptor-Mediated Fas Resistance in B Cells

Molecular Interaction Between CD58 and CD2 Counter-Receptors Mediates the Ability of Monocytes to Augment T Cell Activation by IL-12
Jared A. Gollob, Jing Li, Hiroshi Kawasaki, John F. Daley, Chris Groves, Ellis L. Reinherz, and Jerome Ritz

Generation of Naturally Processed Peptide/MHC Class I Complexes Is Independent of the Stability of Endogenously Synthesized Precursors
Samuel Goth, Vu Nguyen, and Nilabh Shastri

Intraocular Injection of Class II-Restricted Peptide Induces an Unexpected Population of CD8 Regulatory Cells
Michele M. Kosiewicz and J. Wayne Streilein

Reduced IL-12 Production by Monocytes Upon Ultraviolet-B Irradiation Selectively Limits Activation of T Helper-1 Cells
Inger B. Kremer, Catharien M. U. Hilkens, Regien M. R. Sylva-Steenland, Cornelis W. Koomen, Martien L. Kapsenberg, Jan D. Bos, and Marcel B. M. Teunissen

Perforin, Fas Ligand, and Tumor Necrosis Factor Are the Major Cytotoxic Molecules Used by Lymphokine-Activated Killer Cells
Richard K. Lee, Julie Spielman, Dong Yan Zhao, Kristin J. Olsen, and Eckhard R. Podack

Intraepithelial Lymphocytes in Human Gut Have Lytic Potential and a Cytokine Profile That Suggest T Helper 1 and Cytotoxic Functions
Carina Lundqvist, Silvia Melgar, Moorix Mo-Wai Yeung, Sten Hammarström, and Marie-Louise Hammarström

Switching On of the Proliferation or Apoptosis of Activated Human T Lymphocytes by IFN-γ Is Correlated with the Differential Expression of the α- and β-Chains of Its Receptor
Francesco Novelli, Paola Bernabei, Laurence Ozmen, Laura Rigamonti, Alessandra Allione, Sidney Pestka, Gianni Garotta, and Guido Forni

Induction of “Infectious” Tolerance to MHC-Incompatible Cardiac Allografts in CD4 Monoclonal Antibody-Treated Sensitized Rat Recipients
Kazuhiko Onodera, Manfred Lehmann, Enver Akalin, Hans-Dieter Volk, Mohamed H. Sayegh, and Jerzy W. Kupiec-Weglinski
1951 IL-12 Antagonism Induces T Helper 2 Responses, yet Exacerbates Cardiac Allograft Rejection: Evidence Against a Dominant Protective Role for T Helper 2 Cytokines in Alloimmunity
Joseph R. Piccotti, Sherri Y. Chan, Richard E. Goodman, Jeanne Magram, Ernst J. Eichwald, and D. Keith Bishop

1958 CD4 Ligand IL-16 Inhibits the Mixed Lymphocyte Reaction
Arthur C. Theodore, David M. Center, John Nicosi, Gregg Fine, Hardy Kornfeld, and William W. Cruikshank

1965 αβ₁ (CD49d/CD29) Integrin Costimulation of Human T Cells Enhances Transcription Factor and Cytokine Induction in the Absence of Altered Sensitivity to Anti-CD3 Stimulation
Taturo Udagawa, Darren G. Woodside, and Bradley W. McIntyre

1973 Short Term Treatment with Soluble Neuroantigen and Anti-CD11a (LFA-1) Protects Rats Against Autoimmune Encephalomyelitis: Treatment Abrogates Autoimmune Disease but Not Autoimmunity
David O. Willenborg, Maria A. Staykova, and Masayuki Miyasaka

1981 Fas System-Mediated Apoptosis Suppresses Lymphopoiesis
Koji Yasutomo, Hideyuki Nagasawa, Hajime Hisaeda, Robert A. Good, Yasuhiro Kuroda, and Kunisuke Himeno

1987 Coexpression of B7-1 and Antigen Blocks Tolerance Induction to Antigen Presented by Resting B Cells
Victoria N. Yuschenkoff, Michael P. Sethna, Gordon J. Freeman, and David C. Parker

Molecular and Structural Immunology

1996 Avidity Maturation, Repertoire Shift, and Strain Differences in Antibodies to Bacterial Levan, a Type 2 Thymus-Independent Polysaccharide Antigen
Calila M. Boswell and Kathryn E. Stein

2006 Interaction of Anti-Cholesterol Antibodies with Human Lipoproteins
Jan Dijkstra, Glenn M. Swartz, Jr., Jennifer J. Raney, Jacinta Aniagolu, Luis Toro, Carol A. Nacy, and Shawn J. Green

2014 TCR-Mediated Adhesion of T Cell Hybridomas to Planar Bilayers Containing Purified MHC Class II/Peptide Complexes and Receptor Shedding During Detachment
Michael L. Dustin, James M. Miller, Sheila Ranganath, Dario A. A. Vignali, Nicholas J. Viner, Christopher A. Nelson, and Emil R. Unanue

2022 Structure of the Gene Encoding the Rat T Cell Ecto-ADP-Ribosyltransferase RT6
Friedrich A. Haag, Gregor Kuhlenbäumer, Friedrich Koch-Nolte, Edgar Wingender, and Heinz-Günter Thiele

2031 Ig Light Chain Gene in the Siberian Sturgeon (Acipenser baerii): Implications for the Evolution of the Immune System
Mats Lundqvist, Eva Bengtén, Siv Strömberg, and Lars Pilström

2039 Transmembrane-4 Superfamily Proteins CD81 (TAPA-1), CD82, CD63, and CD53 Specifically Associate with Integrin αβ₁ (CD49d/CD29)
Brian A. Mannion, Fedor Berditchevski, Stine-Kathrein Kraeft, Lan Bo Chen, and Martin E. Hemler
Defective Transcription of the IL-2 Gene Is Associated with Impaired Expression of c-Fos, FosB, and JunB in Anergic T Helper 1 Cells
Anna Mondino, Carmella D. Whaley, Dimuthu R. DeSilva, Wei Li, Marc K. Jenkins, and Daniel L. Mueller

IL-4-Induced Expression of the IL-1 Receptor Antagonist Gene Is Mediated by STAT6
Yoshihiro Ohmori, Michael F. Smith, Jr., and Thomas A. Hamilton

Contribution of Heavy Chain Junctional Amino Acid Diversity to Antibody Affinity Among p-Azophenylarsonate-Specific Antibodies
Behnax Parhami-Seren and Michael N. Margolies

Regulation of IgM and IgD Heavy Chain Gene Expression: Effect of Abrogation of Intergenic Transcriptional Termination
Dorothy Yuan, Pamela L. Witte, Jing Tan, Judith Hawley, and Tam Dang

Mechanisms of Cellular Penetration and Nuclear Localization of an Anti-Double Strand DNA Autoantibody

Host Defense

In Vitro Induction of MUC-1 Peptide-Specific Type 1 T Lymphocyte and Cytotoxic T Lymphocyte Responses from Healthy Multiparous Donors
Babita Agrawal, Mark A. Reddish, and B. Michael Longenecker

Human γδ T Cell Subset-Proliferative Response to Malarial Antigen In Vitro Depends on CD4+ T Cells or Cytokines That Signal Through Components of the IL-2R
M. Merte Elloso, Henri C. van der Heyde, Anthony Troutt, Dean D. Manning, and William P. Weidanz

IL-15 Augments CD8+ T Cell-Mediated Immunity Against Toxoplasma gondii Infection in Mice
ImtiTax A. Khan and Lloyd H. Kasper

Human Monocytes Induce a Carcinoma Cell Line to Secrete High Amounts of Nitric Oxide
Abdo Konur, Stefan W. Krause, Michael Rehli, Marina Kreutz, and Reinhard Andreesen

Macrophages Ingest and Are Activated by Bacterial DNA
Katryn J. Stacey, Matthew J. Sweet, and David A. Hume

Inflammation

Rat Peritoneal Mast Cells Produce IFN-γ Following IL-12 Treatment but Not in Response to IgE-Mediated Activation
Abha A. Gupta, Irene Lead-Berumen, Kenneth Croitoru, and Jean S. Marshall

Endogenous Nitric Oxide Activates Prostaglandin F2α Production in Human Microglial Cells but Not in Astrocytes: A Study of Interactions Between Eicosanoids, Nitric Oxide, and Superoxide Anion (O2−) Regulatory Pathways
Nazila Janabi, Stéphane Chabrier, and Marc Tardieu
2136 Receptors for Immune Complexes Activate Gene Expression and Synthesis of Matrix Proteins in Cultured Rat and Human Mesangial Cells: Role of TGF-β
Maria José López-Armada, Carmen Gómez-Guerrero, and Jesús Egido

2143 β-Chemokine TCA3 Binds to and Activates Rat Vascular Smooth Muscle Cells
Yi Luo, Patricia A. D'Amore, and Martin E. Dorf

2149 Activation of Human Monocytes and the Acute Monocytic Leukemia Cell Line (THP-1) by Lipoxins Involves Unique Signaling Pathways for Lipoxin A4 Versus Lipoxin B4: Evidence for Differential Ca2+ Mobilization
Mario Romano, Jane F. Maddox, and Charles N. Serhan

2155 TNF Receptors in Murine Candida albicans Infection: Evidence for an Important Role of TNF Receptor p55 in Antifungal Defense
Sigurd Steinshamn, Marc H. A. Benelmanns, Lambertus J. H. van Tits, Kåre Bergh, Wim A. Buurman, and Anders Waage

2160 Altered T Cell Ligands Derived from a Major House Dust Mite Allergen Enhance IFN-γ but Not IL-4 Production by Human CD4+ T Cells
Daphne C. Tsitoura, Adrienne Verhoef, Colin M. Gelder, Robyn E. O’Hehir, and Jonathan R. Lamb

CLINICAL IMMUNOLOGY

2168 HIV-1 gp120-Specific Antibody-Dependent Cell-Mediated Cytotoxicity Correlates with Rate of Disease Progression
Linda L. Baum, Kelly J. Cassutt, Kevin Knigge, Roli Khattri, Joseph Margolick, Charles Rinaldo, Cynthia A. Kleeberger, Parwag Nishanian, Denis R. Henrard, and John Phair

2174 Hapten-Induced Model of Murine Inflammatory Bowel Disease: Mucosal Immune Responses and Protection by Tolerance
Charles O. Elson, Kenneth W. Beagley, Abmaz T. Sharmanov, Kohtaro Fujihashi, Hiroshi Kiyono, Gary S. Tennyson, Yingzi Cong, C. Allen Black, Ben W. Ridwan, and Jerry R. McGhee

2186 Genetic Analysis of Susceptibility to Experimental Autoimmune Encephalomyelitis in a Cross Between SJL/J and B10.S Mice
Jeffrey A. Encinas, Marjorie B. Lees, Raymond A. Sobel, Cammie Symonowicz, Judith M. Greer, Claire L. Shovlin, Howard L. Weiner, Christine E. Seidman, J. G. Seidman, and Vijay K. Kuchroo

2193 Autoantigenic Epitopes on hY5 Ro RNA Are Distinct from Regions Bound by the 60-kDa Ro and La Proteins
Dominic Granger, Annick Tremblay, Carole Boulanger, Benoît Chabot, Henri-A. Ménard, and Gilles Boire

2201 Anti-Phospholipid Autoantibodies Bind to Apoptotic, but Not Viable, Thymocytes in a β2-Glycoprotein I-Dependent Manner
Barbara E. Price, Joyce Rauch, Michael A. Shia, Mary T. Walsh, Wilfred Lieberthal, Hannah M. Gilligan, Terry O’Laughlin, Jason S. Koh, and Jerrold S. Levine

2209 Recombinant IL-4 Aggravates Experimental Autoimmune Uveoretinitis in Rats
Sheela Ramanathan, Yvonne de Koxak, Abdelhadi Saoudi, Olivier Goureau, Peter H. Van der Meide, Philippe Druel, and Blanche Bellon
Pleiotropic Effects of Immobilized Versus Soluble Recombinant HIV-1 Tat Protein on CD3-Mediated Activation, Induction of Apoptosis, and HIV-1 Long Terminal Repeat Transactivation in Purified CD4+ T Lymphocytes

Giorgio Zauli, Davide Gibellini, Claudio Celeghini, Carlo Mischiati, Alessandra Bassini, Michele La Placa, and Silvano Capitani

Author Index