

Contents

CELLULAR IMMUNOLOGY

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|---|------|--|
| E. K. Codias, T. J. Fleming, C. M. Zacharchuk, J. D. Ashwell, and T. R. Malek | 1825 | Role of Ly-6A/E and T Cell Receptor- ζ for IL-2 Production: Phosphatidylinositol-Anchored Ly-6A/E Antagonizes T Cell Receptor-Mediated IL-2 Production by a ζ -Independent Pathway |
| P. Conrad, B. L. Rothman, K. A. Kelley, and M.-L. Blue | 1833 | Mechanism of Peripheral T Cell Activation by Coengagement of CD44 and CD2 |
| W. B. M. De Lau, S. E. Boom, K. Heije, A. W. Griffioen, E. Braakman, R. L. H. Bolhuis, W. J. M. Tax, H. Clevers, and B. J. E. G. Bast | 1840 | Heterodimeric Complex Formation with CD8 and TCR by Bispecific Antibody Sustains Paracrine IL-2-Dependent Growth of CD3 ⁺ CD8 ⁺ T Cells |
| M. Egerton, W. H. Burgess, D. Chen, B. J. Druker, A. Bretscher, and L. E. Samelson | 1847 | Identification of Ezrin as an 81-kDa Tyrosine-Phosphorylated Protein in T Cells |
| R. Fuleihan, F. Spertini, R. S. Geha, and T. Chatila | 1853 | Role of Protein Kinase Activation in the Induction of B Cell Adhesion by MHC Class II Ligands |
| M. Hirokawa, J. D. Gray, T. Takahashi, and D. A. Horwitz | 1859 | Human Resting B Lymphocytes Can Serve as Accessory Cells for Anti-CD2 Induced to T Cell Activation |
| S. J. Klaus and D. C. Parker | 1867 | Inducible Cell Contact Signals Regulate Early Activation Gene Expression during B-T Lymphocyte Collaboration |
| L. L. Lanier, C. Chang, H. Spits, and J. H. Phillips | 1876 | Expression of Cytoplasmic CD3 ϵ Proteins in Activated Human Adult Natural Killer (NK) Cells and CD3 γ , δ , ϵ Complexes in Fetal NK Cells: Implications for the Relationship of NK and T Lymphocytes |
| L. Majlessi, P. Benaroch, and G. Bordenave | 1881 | T Cell-Induced Allotypic Suppression: Origin of the CD8 ⁺ T Cells Maintaining IgG2a ^b Suppression |
| M. Ozdemirli, M. El-Khatib, L. Bastiani, H. Akdeniz, V. Kuchroo, and S.-T. Ju | 1889 | The Cytotoxic Process of CD4 Th1 Clones |
| K. C. Parker, M. DiBrino, L. Hull, and J. E. Coligan | 1896 | The β_2 -Microglobulin Dissociation Rate Is an Accurate Measure of the Stability of MHC Class I Heterotrimers and Depends on Which Peptide Is Bound |
| L. Vidard, K. L. Rock, and B. Benacerraf | 1905 | Heterogeneity in Antigen Processing by Different Types of Antigen-Presenting Cells: Effect of Cell Culture on Antigen Processing Ability |
| M. C. Wacholtz, E. J. Cragoe, Jr., and P. E. Lipsky | 1912 | A Na ⁺ -Dependent Ca ²⁺ Exchanger Generates the Sustained Increase in Intracellular Ca ²⁺ Required for T Cell Activation |
| M. E. Williams, C. M. Shea, A. H. Lichtman, and A. K. Abbas | 1921 | Antigen Receptor-Mediated Anergy in Resting T Lymphocytes and T Cell Clones: Correlation with Lymphokine Secretion Patterns |

MOLECULAR AND STRUCTURAL IMMUNOLOGY

- | | | |
|---|------|--|
| J. L. Dul, O. R. Burrone, and Y. Argon | 1927 | A Conditional Secretory Mutant in an Ig L Chain Is Caused by Replacement of Tyrosine/Phenylalanine 87 with Histidine |
| D. E. Geraghty, B. H. Koller, J. A. Hansen, and H. T. Orr | 1934 | The HLA Class I Gene Family Includes at Least Six Genes and Twelve Pseudogenes and Gene Fragments |
| D. E. Geraghty, B. H. Koller, J. Pei, and J. A. Hansen | 1947 | Examination of Four HLA Class I Pseudogenes: Common Events in the Evolution of HLA Genes and Pseudogenes |

Continued on page 5

Continued from page 3

R. Giorda, E. P. Weisberg, T. K. Ip, and M. Trucco	1957	Genomic Structure and Strain-Specific Expression of the Natural Killer Cell Receptor NKR-P
M. F. Gurish, A. F. Bell, T. J. Smith, L. A. Ducharme, R.-K. Wang, and J. H. Weis	1964	Expression of Murine β_7^- , α_4^- , and β_1 -Integrin Genes by Rodent Mast Cells
A. J. Henderson, R. Narayanan, L. Collins, and K. Dorshkind	1973	Status of κ L Chain Gene Rearrangements and c-kit and IL-7 Receptor Expression in Stromal Cell-Dependent Pre-B Cells
H. Messier, J. Ratanavongsiri, T. Fuller, S. Mangal, P. Kilgannon, R. Fotedar, and A. Fotedar	1980	Mapping of an Inducible Element in the T Cell Receptor V β 2 Promoter
S. Mouritsen, M. Meldal, O. Werdelin, A. S. Hansen, and S. Buus	1987	MHC Molecules Protect T Cell Epitopes against Proteolytic Destruction
A. Scheirle, B. Takacs, L. Kremer, F. Marin, and F. Sinigaglia	1994	Peptide Binding to Soluble HLA-DR4 Molecules Produced by Insect Cells
M. F. Smith, Jr., D. Eidlen, M. T. Brewer, S. P. Eisenberg, W. P. Arend, and A. Gutierrez-Hartmann	2000	Human IL-1 Receptor Antagonist Promoter: Cell Type-Specific Activity and Identification of Regulatory Regions
T. W. Soong and K. M. Hui	2008	Locus-Specific Transcriptional Control of HLA Genes

IMMUNE MODULATION

A. Mackiewicz, H. Schooltink, P. C. Heinrich, and S. Rose-John	2021	Complex of Soluble Human IL-6-Receptor/IL-6 Up-Regulates Expression of Acute-Phase Proteins
D. M. Pinson, R. D. LeClaire, R. B. Lorsbach, M. J. Parmely, and S. W. Russell	2028	Regulation by Transforming Growth Factor- β 1 of Expression and Function of the Receptor for IFN- γ on Mouse Macrophages
T. J. Standiford, R. M. Strieter, R. Allen, M. D. Burdick, and S. L. Kunkel	2035	IL-7 Up-Regulates the Expression of IL-8 from Resting and Stimulated Human Blood Monocytes
E. Vey, J.-H. Zhang, and J.-M. Dayer	2040	IFN- γ and 1,25(OH) $_2$ D $_3$ Induce on THP-1 Cells Distinct Patterns of Cell Surface Antigen Expression, Cytokine Production, and Responsiveness to Contact with Activated T Cells

HOST DEFENSE

B.-A. Biggs, R. F. Anders, H. E. Dillon, K. M. Davern, M. Martin, C. Petersen, and G. V. Brown	2047	Adherence of Infected Erythrocytes to Venular Endothelium Selects for Antigenic Variants of <i>Plasmodium falciparum</i>
R. W. Finberg, W. White, and A. Nicholson-Weller	2055	Decay-Accelerating Factor Expression on Either Effector or Target Cells Inhibits Cytotoxicity by Human Natural Killer Cells
R. H. Goldfarb, K. Wasserman, R. B. Heberman, and R. P. Kitson	2061	Nongranular Proteolytic Enzymes of Rat IL-2-Activated Natural Killer Cells. I. Subcellular Localization and Functional Role
S. J. Green, T.-Y. Chen, R. M. Crawford, C. A. Nacy, D. C. Morrison, and M. S. Meltzer	2069	Cytotoxic Activity and Production of Toxic Nitrogen Oxides by Macrophages Treated with IFN- γ and Monoclonal Antibodies against the 73-kDa Lipopolysaccharide Receptor
S. E. Karp, P. Hwu, A. Farber, N. P. Restifo, M. Kriegler, J. J. Mulé, and S. A. Rosenberg	2076	In Vivo Activity of Tumor Necrosis Factor (TNF) Mutants: Secretory but Not Membrane-Bound TNF Mediates the Regression of Retrovirally Transduced Murine Tumor

Continued on page 7

V. Manivel, S. K. Panda, and K. V. S. Rao	2082	Identification of a New Group-Specific Determinant on Hepatitis B Surface Antigen with a Synthetic Peptide
H. Morimoto and B. Bonavida	2089	Diphtheria Toxin- and <i>Pseudomonas</i> A Toxin-Mediated Apoptosis: ADP Ribosylation of Elongation Factor-2 Is Required for DNA Fragmentation and Cell Lysis and Synergy with Tumor Necrosis Factor- α
L. Soong and R. L. Tarleton	2095	Selective Suppressive Effects of <i>Trypanosoma cruzi</i> Infection on IL-2, <i>c-myc</i> , and <i>c-fos</i> Gene Expression
W. R. Weiss, J. A. Berzofsky, R. A. Houghten, M. Sedegah, M. Hollindale, and S. L. Hoffman	2103	A T Cell Clone Directed at the Circumsporozoite Protein which Protects Mice against Both <i>Plasmodium yoelii</i> and <i>Plasmodium berghei</i>

INFLAMMATION

C. Chabannon, P. Wood, and B. Torok-Storb	2110	Expression of CD7 on Normal Human Myeloid Progenitors
P. J. Duerksen-Hughes, D. B. Day, S. M. Laster, N. A. Zachariades, L. Aquino, and L. R. Gooding	2114	Both Tumor Necrosis Factor and Nitric Oxide Participate in Lysis of Simian Virus 40-Transformed Cells by Activated Macrophages
N. Ghildyal, H. P. McNeil, S. Stechschulte, K. F. Austen, D. Silberstein, M. F. Gurish, L. L. Somerville, and R. L. Stevens	2123	IL-10 Induces Transcription of the Gene for Mouse Mast Cell Protease-1, a Serine Protease Preferentially Expressed in Mucosal Mast Cells of <i>Trichinella spiralis</i> -Infected Mice
T. T. Hansel, I. J. M. De Vries, J. M. Carballido, R. K. Braun, N. Carballido-Perrig, S. Rihs, K. Blaser, and C. Walker	2130	Induction and Function of Eosinophil Intercellular Adhesion Molecule-1 and HLA-DR
H. Jiang, C. A. Stewart, D. J. Fast, and R. W. Leu	2137	Tumor Target-Derived Soluble Factor Synergizes with IFN- γ and IL-2 to Activate Macrophages for Tumor Necrosis Factor and Nitric Oxide Production to Mediate Cytotoxicity of the Same Target
M. L. Jones, M. S. Mulligan, C. M. Flory, P. A. Ward, and J. S. Warren	2147	Potential Role of Monocyte Chemoattractant Protein 1/JE in Monocyte/Macrophage-Dependent IgA Immune Complex Alveolitis in the Rat
S. Latour, C. Bonnerot, W. H. Fridman, and M. Daëron	2155	Induction of Tumor Necrosis Factor- α Production by Mast Cells via Fc γ R: Role of the Fc γ RIII γ Subunit
F. W. Luscinskas, J.-M. Kiely, H. Ding, M. S. Obin, C. A. Hébert, J. B. Baker, and M. A. Gimbrone, Jr.	2163	In Vitro Inhibitory Effect of IL-8 and Other Chemoattractants on Neutrophil-Endothelial Adhesive Interactions
G. M. Omann, J. M. Harter, N. Hassan, P. J. Mansfields, S. J. Suchard, and R. R. Neubig	2172	A Threshold Level of Coupled G-Proteins Is Required to Transduce Neutrophil Responses
C. J. Punjabi, D. L. Laskin, D. E. Heck, and J. D. Laskin	2179	Production of Nitric Oxide by Murine Bone Marrow Cells: Inverse Correlation with Cellular Proliferation

CLINICAL IMMUNOLOGY

S. S. Burtles, S. Trembleau, K. Drexler, and U. Hurtenbach	2185	Absence of T Cell Tolerance to Pancreatic Islet Cells
L. N. Callahan, G. Roderiquez, M. Mallinson, and M. A. Norcross	2194	Analysis of HIV-Induced Autoantibodies to Cryptic Epitopes on Human CD4
L. Mincheva-Nilsson, S. Hammarström, and M.-L. Hammarström	2203	Human Decidual Leukocytes from Early Pregnancy Contain High Numbers of $\gamma\delta^+$ Cells and Show Selective Down-Regulation of Alloreactivity

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|---|------|--|
| H. Smith, Y.-H. Lou, P. Lacy,
and K. S. K. Tung | 2212 | Tolerance Mechanism in Experimental Ovarian and Gastric Autoimmune Diseases |
| S. J. Stull, G. C. Sharp, M. Kyr-
iakos, J. T. Bickel, and H.
Braley-Mullen | 2219 | Induction of Granulomatous Experimental Autoimmune Thyroiditis in Mice with in Vitro Activated Effector T Cells and Anti-IFN- γ Antibody |
| W.-M. Tsai, G. Roos, T. E. Hugli,
and E. M. Tan | 2227 | Influence of Free Thiol Group(s) on Autoantibody-Defined Epitope of Prolif-
erating Cell Nuclear Antigen |
| J. H. Van Es, H. Aanstoot, F. H.
J. Gmelig-Meyling, R. H. W.
M. Derksen, and T. Logten-
berg | 2234 | A Human Systemic Lupus Erythematosus-Related Anti-Cardiolipin/Single-
Stranded DNA Autoantibody is Encoded by a Somatically Mutated Variant
of the Developmentally Restricted 51P1 V _H Gene |