Contents

CELLULAR IMMUNOLOGY

R. Abe, M. Foo-Phillips, L. G. Granger, and O. Kanagawa
M. Foo-Phillips, C. A. Kozak, M. A. C. Principato, and R. Abe
B. Adkins and K. Hamilton
H. Y. Chung, Z. Dong, and H. H. Wortis
R. H. DeKruyff, Y. Fang, and D. T. Umetsu
E. J. Gosselin, K. Wardwell, D. R. Gosselin, N. Alter, J. L. Fisher, and P. M. Guyre
S. B. Kanner, N. Odum, L. Grosmaire, S. Masewicz, A. Svejgaard, and J. A. Ledbetter
K. Kikly and G. Dennert
W. Ptak and P. W. Askenase
F. A. Redegeld, S. Chatterjee, N. A. Berger, and M. V. Sitkovsky
S. L. Simek, A. P. Fields, N. H. Colburn, R. Winkler-Pickett, and H. A. Young

3429 Characterization of the Mls1 System. I. A Novel "Polymorphism" of Endogenous Superantigens
3440 Characterization of the Mls1 System. II. Identification of Mouse Mammary Tumor Virus Proviruses Involved in the Clonal Deletion of Self-Mls1-Reactive T Cells
3448 Freshly Isolated, Murine Neonatal T Cells Produce IL-4 in Response to Anti-CD3 Stimulation
3456 In Nude, X-Linked Immunodeficient Mice B Cell Deficiency Progresses with Lineage Maturation
3463 A Stimulatory Mls-1 Superantigen Is Destroyed by Ultraviolet Light while Other Mtv-7 Antigens Remain Intact: Significance for Mls-1 Unresponsiveness
3468 IL-4 Synthesis by in vivo Primed Keyhole Limpet Hemocyanin-Specific CD4+ T Cells. I. Influence of Antigen Concentration and Antigen-Presenting Cell Type
3477 Enhanced Antigen Presentation Using Human Fcγ Receptor (Monocyte/Macrophage)-Specific Immunogens
3482 Superantigen and HLA-DR Ligation Induce Phospholipase-Cγ1 Activation in Class II+ T Cells
3489 Evidence for a Role for T Cell Receptors (TCR) in the Effector Phase of Acute Bone Marrow Graft Rejection. TCR V65 Transgenic Mice Lack Effector Cells Able to Cause Graft Rejection
3495 Natural Killer (NK) Cell Stimulatory Factor or IL-12 Has Differential Effects on the Proliferation of TCR-αβ+, TCR-γδ+ T Lymphocytes, and NK Cells
3503 γδ T Cells Assist αβ T Cells in Adoptive Transfer of Contact Sensitivity
3509 Poly-(ADP-Ribose) Polymerase Partially Contributes to Target Cell Death Triggered by Cytotoxic T Lymphocytes
3517 Expression of VLA-4 on Thymocytes: Maturation Stage-Associated Transition and Its Correlation with Their Capacity to Adhere to Thymic Stromal Cells
3525 Cytokine Pattern of Langerhans Cells Isolated from Murine Epidermal Cell Cultures
3535 Signal Transduction through Decay-Accelerating Factor: Interaction of Glycosylphosphatidylinositol Anchor and Protein Tyrosine Kinases p56Lck and p59Fgr
3542 The Presence in a Mouse T Cell Line of a 97-kDa Protein Kinase C (PKC) with Characteristics Similar to Known Members of the Novel PKC Subgroup and Its Possible Role in Lymphocyte Gene Expression

Continued on page 5
MOLECULAR AND STRUCTURAL IMMUNOLOGY


D. C. Fritzinger, E. C. Petrella, M. B. Connelly, R. Bredehorst, and C.-W. Vogel

W. H. Hildebrand, J. A. Madrigal, M. P. Belich, J. Zemmour, F. E. Ward, R. C. Williams, and P. Parham

D. M. Klinman


E. Paul, A. A. Iliev, A. Livneh, and B. Diamond

G. Szabó, Jr., P. S. Pine, J. L. Weaver, P. E. Rao, and A. Assalos


---

HOST DEFENSE


A. M. Blum, A. Metwalli, R. C. Mathew, G. Cook, D. Elliott, and J. V. Winstock

F. Cavallo, M. Giovarelli, A. Gulino, A. Vacc, A. Stoppacciaro, A. Modesti, and G. Formi

F. Darcy, P. Maes, H. Gras-Masse, C. Auriaux, M. Bosus, D. Deslee, I. Godard, M. F. Cesbron, A. Tartar, and A. Capron

F. J. Herndon and S. G. Kayes

J. T. Roehrig, J. Piesman, A. R. Hunt, M. G. Keen, C. M. Happ, and B. J. B. Johnson

L. E. Smythies, P. S. Coulson, and R. A. Wilson

T. Yamashita and D. L. Boros

---

3550 Negative Selection of Thymocytes: A Novel Polymerase Chain Reaction-Based Molecular Analysis Detects Requirements for Macromolecular Synthesis

3554 Primary Structure of Cobra Complement Component C31

3563 Serologic Cross-Reactivities Poorly Reflect Allelic Relationships in the HLA-B12 and HLA-B21 Groups: Dominant Epitopes of the $\alpha_2$ Helix

3569 Cross-Reactivity of IgM-Secreting B Cells from Normal BALB/c Mice

3574 Restricted IgH V Gene Usage in the Response to the ese Epitope on "Hi" Sheep Red Blood Cells

3580 Sequence Motifs Important for Peptide Binding to the Human MHC Class I Molecule, HLA-A2

3588 The Anti-DNA-associated Idiotype 8.12 Is Encoded by the Vc11 Gene Family and Maps to the Vicinity of L Chain CDR1

3596 CD4 Changes Conformation Upon Ligand Binding

3605 Biochemical Specificity of H-2M3*: Stereospecificity and Space-filling Requirement at Position 1 Maintains N-Formyl Peptide Binding

3612 Induction of Protective Immunity in Mice Using a 62-kDa Recombinant Fragment of a Schistosoma mansoni Surface Antigen

3621 Granuloma T Lymphocytes in Murine Schistosomiasis Mansoni Have Somatostatin Receptors and Respond to Somatostatin with Decreased IFN-\(\gamma\) Secretion

3627 Role of Neutrophils and CD4+ T Lymphocytes in the Primary and Memory Response to Nonimmunogenic Murine Mammary Adenocarcinoma Made Immunogenic by IL-2 Gene

3636 Protection of Mice and Nude Rats Against Toxoplasmosis by a Multiple Antigenic Peptide Construction Derived from Toxoplasma gondii P30 Antigen

3642 Depletion of Eosinophils by Anti-IL-5 Monoclonal Antibody Treatment of Mice Infected with Trichinella spiralis Does Not Alter Parasite Burden or Immunologic Resistance to Reinfection

3648 The Hamster Immune Response to Tick-Transmitted Borrelia burgdorferi Differs from the Response to Needle-inoculated, Cultured Organisms

3654 Monoclonal Antibody to IFN-\(\gamma\) Modifies Pulmonary Inflammatory Responses and Abrogates Immunity to Schistosoma mansoni in Mice Vaccinated with Attenuated Cercariae

3659 IL-4 Influences IL-2 Production and Granulomatous Inflammation in Murine Schistosomiasis Mansoni

Continued on page 7
INFLAMMATION

P. J. Bianchine, P. R. Burd, and D. D. Metcalfe

3665  IL-3-Dependent Mast Cells Attach to Plate-Bound Vitronectin: Demonstration of Augmented Proliferation in Response to Signals Transduced via Cell Surface Vitronectin Receptors

M. Blom, A. T. J. Tool, D. Roos, and A. J. Verhoeven

3672  Priming of Human Eosinophils by Platelet-activating Factor Enhances the Number of Cells Able to Bind and Respond to Opsonized Particles

M. J. Elliott, H. Stanton, J. A. Hamilton, and D. Metcalf

3678  Plasminogen Activator in Granulocyte-macrophage-CSF Transgenic Mice


3682  Human Endothelial Cells Are Target for Platelet-Activating Factor. II. Platelet-Activating Factor Induces Platelet-Activating Factor Synthesis in Human Umbilical Vein Endothelial Cells

P. S. Hicks, L. Saunero-Nava, T. W. Du Clos, and C. Mold

3689  Serum Amyloid P Component Binds to Histones and Activates the Classical Complement Pathway

R. Krumdieck, M. Hoo, L. C. Rosenberg, and J. E. Volanakis

3695  Proteoglycan Decorin Binds C1q and Inhibits the Activity of the C1 Complex

B. Naziruddin, B. F. Duffy, J. Tucker, and T. Mohanakumar

3702  Evidence for Cross-Regulation of FcγRIIB (CD16) Receptor-mediated Signaling by FcγRII (CD32) Expressed on Polymorphonuclear Neutrophils


3710  Comparison of Airway and Blood Eosinophil Function after in vivo Antigen Challenge

CLINICAL IMMUNOLOGY

E. Abraham and S. Shah

3719  Intranasal Immunization with Liposomes Containing IL-2 Enhances Bacterial Polysaccharide Antigen-Specific Pulmonary Secretory Antibody Response

G. Barillari, L. Buonaguro, V. Fiorelli, J. Hoffman, F. Michaels, R. C. Gallo, and B. Ensoli

3727  Effects of Cytokines from Activated Immune Cells on Vascular Cell Growth and HIV-1 Gene Expression: Implications for AIDS-Kaposi’s Sarcoma Pathogenesis

M. D. Halpern, C. L. Fisher, P. L. Cohen, and R. A. Eisenberg

3735  Influence of the Ig H Chain Locus on Autoantibody Production in Autoimmune Mice


3741  Emerging Human B Cell Repertoire: Influence of Developmental Stage and Interindividual Variation

T. Miyawaki, T. Uehara, R. Nibu, T. Tsuji, A. Yachie, S. Yonehara, and N. Taniguchi

3753  Differential Expression of Apoptosis-related Fas Antigen on Lymphocyte Subpopulations in Human Peripheral Blood

D. H. Ryan, B. L. Nuccie, and C. N. Abboud

3759  Inhibition of Human Bone Marrow Lymphoid Progenitor Colonies by Antibodies to VLA Integrins

D. C. Wraith, B. Bruun, and P. J. Fairchild

3765  Cross-Reactive Antigen Recognition by an Encephalitogenic T Cell Receptor: Implications for T Cell Biology and Autoimmunity

Erratum

3771

Announcements

3772

Author Index

1