Contents

PRESIDENTIAL ADDRESS

A. Nisonoff 2429  Idiotypes: Concepts and Applications

CELLULAR IMMUNOLOGY

M. Eto, H. Mayumi, Y. Nishimura, T. Maeda, Y. Yoshikai, and K. Nomoto 2439  Similarity and Difference in the Mechanisms of Neonatally Induced Tolerance and Cyclophosphamide-Induced Tolerance in Mice

K. J. Collob and E. Palmer 2447  Physiologic Expression of Two Superantigens in the BDF, Mouse

K. T. Hayglass and W. P. Stefanura 2455  Antigen-Specific Inhibition of Ongoing Murine IgE Responses. II. Inhibition of IgE Responses Induced by Treatment with Glutaraldehyde-modified Allergens Is Paralleled by Reciprocal Increases in IgG2a Synthesis

M. K. Jenkins, P. S. Taylor, S. D. Norton, and K. B. Urdahl 2461  CD28 Delivers a Costimulatory Signal Involved in Antigen-Specific IL-2 Production by Human T Cells

K. T. Hayglass and W. P. Stefanura 2467  Predominant T Cell Receptor Gene Elements in TNP-Specific Cytotoxic T Cells

M. K. Jenkins, P. S. Taylor, S. D. Norton, and K. B. Urdahl 2474  The IgM-Associated Protein mb-1 as a Marker of Normal and Neoplastic B Cells

M. K. Jenkins, P. S. Taylor, S. D. Norton, and K. B. Urdahl 2483  Differential Regulation of Surface Ig- and Lyb2-Mediated B Cell Activation by Cyclic AMP. I. Evidence for Alternative Regulation of Signaling through Two Different Receptors Linked to Phosphatidylinositol Hydrolysis in Murine B Cells

B. L. Rothman, M.-L. Blue, K. A. Kelley, D. Wunderlich, D. V. Mierz, and T. M. Aune 2493  Human T Cell Activation by OKT3 Is Inhibited by a Monoclonal Antibody to CD44

B. L. Rothman, M.-L. Blue, K. A. Kelley, D. Wunderlich, D. V. Mierz, and T. M. Aune 2500  Antigen-Specific IgG2a Production in Response to Prostaglandin E2, Immune Complexes, and IFN-γ


A. Suhrbier, S. J. Rodda, P. C. Ho, P. Caerhus, H. Dunckley, A. Saul, H. M. Geyser, and C. M. Rzepczyk 2514  Coassociation of CD26 (Dipeptidyl Peptidase IV) with CD45 on the Surface of Human T Lymphocytes


G. C. Coutinho, O. Durieu-Trautmann, A. D. Strosberg, and P. O. Couraud 2525  Catecholamines Stimulate the IFN-γ-Induced Class II MHC Expression on Bovine Brain Capillary Endothelial Cells

P. A. Linnemeyer and S. B. Pollack 2530  Murine Granulated Metrial Gland Cells at Uterine Implantation Sites Are Natural Killer Lineage Cells

Continued on page 5
D. Nemazee, C. Guiet, K. Buerki, and A. Marshak-Rothstein


U. Skaleric, J. B. Allen, P. D. Smith, S. E. Mergenhagen, and S. M. Wahl

O. Spertini, F. W. Luscinskas, G. S. Kansas, J. M. Munro, J. D. Griffin, M. A. Gimbrone, Jr., and T. F. Tedder

B Lymphocytes from the Autoimmune-Prone Mouse Strain MLR/1pr Manifest an Intrinsic Defect in Tetraparental MRL/1pr ↔ DBA/2 Chimeras

Ig H Chain Variable and C Region Genes in Common Variable Immunodeficiency: Characterization of Two New Deletion Haplotypes

Complete Sequence of the Allergen Amb a II: Recombinant Expression and Reactivity with T Cells from Ragweed Allergic Patients

Thymic Microenvironment Induces HIV Expression: Physiologic Secretion of IL-6 by Thymic Epithelial Cells Up-Regulates Virus Expression in Chronically Infected Cells

Inhibitors of Reactive Oxygen Intermediates Suppress Bacterial Cell Wall-Induced Arthritis

Leukocyte Adhesion Molecule-1 (LAM-1, L-Selectin) Interacts with an Inducible Endothelial Cell Ligand to Support Leukocyte Adhesion

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

S. Bevan and J. G. Raynes

D. K. Blanchard, S. McMillen, and J. Y. Djeu

H. E. Broxmeyer, B. Sherry, S. Cooper, F. W. Ruscetti, D. E. Williams, P. Arosio, B. S. Kwon, and A. Cerami

E. Coeiffier, D. Joseph, and B. B. Varghittig

P. T. Marucha, R. A. Zeff, and D. L. Kreutzer

H. Morimoto, T. S. Safrit, and B. Bonavida

M. Recht, E. C. Borden, and E. Knight, Jr.

M. Robinson, T. Chen, and T. R. Warne

IL-1 Receptor Antagonist Regulation of Acute Phase Protein Synthesis in Human Hepatoma Cells

IFN-γ Enhances Sensitivity of Human Macrophages to Extracellular ATP-Mediated Lysis

Macrophage Inflammatory Protein (MIP)-1α Abrogates the Capacity of MIP-1α to Suppress Myeloid Progenitor Cell Growth

Activation of Guinea Pig Eosinophils by Human Recombinant IL-5: Selective Priming to Platelet-Activating Factor-Acether and Interference of Its Antagonists

Cytokine-Induced IL-1β Gene Expression in the Human Polymorphonuclear Leukocyte: Transcriptional and Post-Transcriptional Regulation by Tumor Necrosis Factor and IL-1

Synergistic Effect of Tumor Necrosis Factor-α and Diphtheria Toxin-Mediated Cytotoxicity in Sensitive and Resistant Human Ovarian Tumor Cell Lines

A Human 15-kDa IFN-Induced Protein Induces the Secretion of IFN-γ

IL-3-Induced Generation of Alkylacylglycerol and Diacylglycerol in an IL-3-Dependent Cell Line

IMMUNOCHEMISTRY

J. Sanceau, J. Wijdenes, M. Revel, and J. Wietzerbin

K. Iida, M. B. Whitlow, and V. Nussenzweig

N. Koch, G. Moldenhauer, W. J. Hofmann, and P. Møller


IL-6 and IL-6 Receptor Modulation by IFN-γ and Tumor Necrosis Factor-α in Human Monocytic Cell Line (THP-1): Priming Effect of IFN-γ

Membrane Vesiculation Protects Erythrocytes from Destruction by Complement

Rapid Intracellular Pathway Gives Rise to Cell Surface Expression of the MHC Class II-Associated Invariant Chain (CD74)

Characterization of the Family of Dimers Associated with Fc Receptors (FcεRI and FcγRIII)
G. Voraberger, R. Schäfer, and C. Stratowa

R. E. Ware, M. K. Hart, and B. F. Haynes


2777 Cloning of the Human Gene for Intercellular Adhesion Molecule 1 and Analysis of Its 5'‐Regulatory Region: Induction by Cytokines and Phorbol Ester

2787 Induction of T Cell CD7 Gene Transcription by Nonmitogenic Ionomycin‐Induced Transmembrane Calcium Flux

2795 Rheumatoid Factor Reactivity of a Human IgG Monoclonal Autoantibody Is Encoded by a Variant V E L Chain Gene

---

J. Klostergaard, M. E. Leroux, and M.‐C. Hung

G. V. Richieri and A. M. Kleinfeld

E. M. Sotomayor, Y.‐X. Fu, M. Lopez‐Cepero, L. Herbert, J. J. Jimenez, C. Albarracin, and D. M. Lopez

2802 Cellular Models of Macrophage Tumoricidal Effector Mechanisms in Vitro: Characterization of Cytolytic Responses to Tumor Necrosis Factor and Nitric Oxide Pathways in Vitro

2809 Free Fatty Acids Are Produced in and Secreted from Target Cells Very Early in Cytotoxic T Lymphocyte‐Mediated Killing

2816 Role of Tumor‐Derived Cytokines on the Immune System of Mice Bearing a Mammary Adenocarcinoma: II. Down‐Regulation of Macrophage‐Mediated Cytotoxicity by Tumor‐Derived Granulocyte‐Macrophage Colony‐Stimulating Factor

Announcement

Author Index