Contents for March

CELLULAR IMMUNOLOGY

Migration Inhibitory Activity in Serum and Cell Supernatants in Patients with Sezary Syndrome. Takeshi Yoshida, Richard Edelson, Stanley Cohen, and Ira Green .................................................. 915

Antibody-Dependent Cytotoxicity: Modulation by the Cytochalasins and Microtubule-Disturbance Agents. Erwin W. Gelbard, Simon A. Morris, and Klaus Resch ...................................................... 919

The Hapten-Carrier Effect in Teleost Fish. David Yocum, Marvin Cuchens, and L. W. Clem ...................................................... 925

Adult Murine Lymph Node Cells Respond Blastogenically to a New Differentiation Antigen on Isologous and Autologous B Lymphocytes. Nicholas M. Ponzio, James H. Finke, and Jack R. Battisto ...................................................... 971

Macrophage Heterogeneity in Receptor Activity: The Activation of Macrophage Fc Receptor Function in Vivo and in Vitro. John Rhodes ...................................................... 976

The Transfer of Tolerance to DNP-Contact Sensitivity in Guinea Pigs by Parabiosis. Ladislav Polak ...................................................... 988

Demonstration of Organ Differences in Peripheral B Cell Populations Through the Use of Deficient Fetal Bovine Serum. Stephen M. Campbell, Martin F. Kagnoff, and James Watson ...................................................... 992


T Mitogens Trigger LPS Responsiveness in Mouse Thymus Cells. James T. Forbes, Yoshinobu Nakao, and Richard T. Smith ...................................................... 1004

The Adjuvant Activity of Mycobacterial RNA Preparations and Synthetic Polyribonucleotides for Induction of Delayed Hypersensitivity to Purified Protein Derivative in Guinea Pigs. Conrad H. Casavant and Guy P. Youmans ...................................................... 1014

The Plaque Cytogram Assay. II. Correlation between Morphology and Density of Linear Bovine Serum Albumin Buoyant Density Gradient-Separated Immunocompetent Cells. Jerry T. Thormaehlen and Robert C. Lieff ...................................................... 1023

Rabbit Lymphocyte Populations Responding to Haptenic and Carrier Determinants for DNA Synthesis. Guy Dellespesse, Kimishige Ishizaka, and Tadamitsu Kishimoto ...................................................... 1065


Induction of Lymphocyte Cytotoxicity by Modification of the Effector or Target Cells with Periodate or with Neuraminidase and Galactosidase Oxidase. Abraham Novogrodsky ...................................................... 1089

Studies on the Mechanism of Stimulation of the Humoral Response of Murine Spleen Cultures by Culture Fluids by Human Monocytes. David D. Wood and Patricia M. Cameron ...................................................... 1094


Antigen-Specific and Nonspecific Mediators of T Cell/B Cell Cooperation. I. Evidence for Their Production by Different T Cells. Phillipa C. Marrack (Hunter) and John W. Kappler ...................................................... 1116


IMMUNOCHEMISTRY

Inhibition by e-Aminocaproic Acid of the Activation of the First Component of the Complement System. Nicholas A. Soter, K. Frank Austen, and Irma Gicli ...................................................... 928


Complement-Mediated Alteration of Antibody Specificity in Vivo. Walter P. Drake and Michael R. Maidney, Jr ...................................................... 1052

IgG and IgA Diphtheria Antitoxin Responses from Human Tonsil Lymphocytes. Thomas A. E. Platts-Mills and Kimishige Ishizaka ...................................................... 1058

IMMUNOGENETICS AND TRANSPLANTATION

Acute Destruction of Rat Skin Grafts by Alloantisera. Somarid V. Jooste and Henry J. Winn ...................................................... 933

IMMUNOPATHOLOGY

The Diisopropylfluorophosphate Inhibitable Step in Antigen-Induced Histamine Release from Human Leukocytes. JACOB J. PRUZANSKY AND ROY PATTERSON ................................................... 939
Control of Histamine Release: Effects of Various Conditions on Rate of Release and Rate of Cell Desensitization. JAMES H. BAXTER AND RONALD ADAMIK ........................................ 1034
Complement-Mediated Release of Histamine from Human Leukocytes. J. ANDREW GRANT, ELTON DREPPE, ARMOND S. GOLDMAN, DUANE R. SCHULZ, AND ANNE L. JACKSON ................................................... 1101

TUMOR IMMUNOLOGY

 Detection of Cell-Bound Immunoglobulins by a Radioisotopic Micro-Mixed Hemadsorption Reaction with Technetium-99m-Labeled Erythroeytes. GARY W. WOOD AND ROLF F. BARTH ................................................................. 944
Receptor Sites for Antigen-Antibody Complexes on Cells Derived from Solid Tumors: Detection by Means of Antibody-Sensitized Sheep Erythrocytes Labeled with Technetium-99m. GARY W. WOOD, G. YANCEY GILLESPIE, AND ROLF F. BARTH ................................................................. 950
Impaired Macrophage Function in Friend Virus Leukemia: Restoration by Statolin. MICHAEL H. LEVY AND E. FREDERICK WHEELock ................................................................. 962
Identification of a Colon-Specific Antigen (CSA) in Normal and Neoplastic Tissues. DAVID M. GOLDENBERG, CHARLES A. PLEGRAM, AND JACINTO J. VAZQUEZ ........................................ 1008
Polymorphonuclear Leukocytes in Antibody-Dependent Cellular Cytotoxicity. ROBERT PETER GALE AND JACOB ZIGELBOIM ................................................................. 1047
Specific Stimulatory and Cytotoxic Effects of Lymphocytes Sensitized in Vitro to Either Alloantigens or Tumor Antigens. MARY ANN KALL AND INGEGERD HELLSTROM ........................................ 1083
Studies on the Synthetic Capacity and Antigenic Expression of Glutaraldehyde-Fixed Target Cells. J. ERIC BUBBERS AND CHRISTOPHER S. HENNEY ........................................ 1125

VIRAL AND MICROBIAL IMMUNOLOGY

Demonstration of in Vitro Lymphocyte-Mediated Cytotoxicity against Measles Virus in SSPE. WOLFGANG H. KRETH, MATILDE KACKELL, AND VOLKER TER MEULEN ........................................ 1042
Characterization of Measles Virus-Specific Cytotoxic Antibodies by Use of a Chronically Infected Cell Line. ANNEKA C. EHRNST ................................................................. 1077
Antigenic Analysis of Three Strains of Mycoplasma arginini By Two-Dimensional Immunelectrophoresis. CHARLES E. THORCKILL AND GEORGE E. KENNY ........................................ 1107
Application of the Paired Label Radioantibody Technique to Detection and Subtyping of Hepatitis B Surface Antigen. YUZO MIYAKAWA, MITSUNOBU IMAI, AND MAKOTO MAYUMI ........................................ 1135

ERRATA

In “Adjuvanticity of Synthetic Polynucleotides for Induction of Experimental Allergic Encephalomyelitis in Guinea Pigs” by Philip Y. Paterson and Diane G. Droshish in the December, 1974, issue of the Journal of Immunology, Vol- ume 113, Number 6, page 1945, lines 3, 4, and 5 of the final paragraph should read: “disease of animals and man is under vigorous investigation in many laboratories. Many studies suggest that multiple sclerosis, for which . . . ”

In “Allergens of Mammalian Origins. III. Properties of a Major Feline Allergen” by John L. Ohman, Jr., Francis C. Lowell, and Kurt J. Bloch in the December 1973 issue of the Journal of Immunology, Volume 113, Number 6, page 1673, the precipitin line in the middle portion of Figure 3 was omitted. Figure 3 is correctly reproduced below.