

Contents

CELLULAR IMMUNOLOGY

- | | | |
|--|------|--|
| P. Ralph, I. Nakoinz, B. Diamond, and D. Yelton | 1885 | All Classes of Murine IgG Antibody Mediate Macrophage Phagocytosis and Lysis of Erythrocytes |
| T. Nakano, Y. Imai, M. Naiki, and T. Osawa | 1928 | Characterization of Mouse Helper and Suppressor T Cell Subsets Separated by Lectins |
| A. E. Postlethwaite | 1955 | Isolation and Characterization of Lymphocyte Mitogenic Factor Released <i>in Vivo</i> during a Cell-Mediated Immune Reaction in the Guinea Pig |
| S. Chen and J. Cerny | 1962 | Studies on Hapten-Specific B Cell Tolerance <i>in Vitro</i> . I. The Inductive Phase of Central B Cell Tolerance |
| S. Chen and J. Cerny | 1970 | Studies on Hapten-Specific B Cell Tolerance <i>in Vitro</i> . II. Regulation of Central Tolerance in T-Independent B Cells by Antigen-Activated Syngeneic T Cells |
| H.-S. Teh and S.-J. Teh | 1977 | The Use of a Clonal Assay for Cytotoxic T Lymphocytes to Determine the Ly Phenotypes of the Cytotoxic Precursor and Effector Cells to Alloantigens and Trinitrophenyl-Modified Self Antigens |
| J. Fung and H. Köhler | 1998 | Mechanism of Neonatal Idiotype Suppression. I. State of the Suppressed B Cells |
| M. J. Ricardo, Jr. | 2009 | Heterogeneity of Fc-Receptors on Guinea Pig T Lymphocytes |
| E. Atkins, P. W. Askenase, L. Francis, and H. A. Bernheim | 2069 | Release of an Endogenous Pyrogen from Guinea Pig Leukocytes: The Role of T Lymphocytes and Correlation with Suppression (Desensitization) of Delayed Hypersensitivity |
| M. K. Hoffmann | 2076 | Macrophages and T Cells Control Distinct Phases of B Cell Differentiation in the Humoral Immune Response <i>in Vitro</i> |
| R. L. Whisler and A. J. Yates | 2106 | Regulation of Lymphocyte Responses by Human Gangliosides. I. Characteristics of Inhibitory Effects and the Induction of Impaired Activation |
| M. Hirashima, J. Yodoi, and K. Ishizaka | 2154 | Regulatory Role of IgE-Binding Factors from Rat T Lymphocytes. IV. Formation of IgE-Binding Factors in Rats Treated with Complete Freund's Adjuvant |
| D. T. Domoto and P. W. Askenase | 2161 | H-2-Dependent Cell-Mediated Immunity <i>in Vivo</i> : Delayed-Type Hypersensitivity and Contact Sensitization Induced by Fluorescein Isothiocyanate-Conjugated Cells |
| M. Hansson, R. Kiessling, B. Andersson, and R. M. Welsh | 2225 | Effect of Interferon and Interferon Inducers on the NK Sensitivity of Normal Mouse Thymocytes |
| S. Ishizaka, T. Hasuma, S. Otani, and S. Morisawa | 2232 | Lymphocyte Activation by Purified Carrageenan |
| R. F. Bargatze and D. H. Katz | 2306 | "Allergic Breakthrough" after Antigen Sensitization: Height of IgE Synthesis is Temporally Related to Diurnal Variation in Endogenous Steroid Production |
| E. R. Richie, K. D. Steinmetz, M. L. Meistrich, I. Ramirez, and J. K. Hilliard | 2344 | T Lymphocytes in Colostrum and Peripheral Blood Differ in Their Capacity to Form Thermostable E-Rosettes |

CLINICAL IMMUNOLOGY

- | | | |
|--|------|---|
| E. Piccolella, G. Lombardi, and R. Morelli | 2082 | Human Lymphocyte-Activating Properties of a Purified Polysaccharide from <i>Candida albicans</i> : B and T Cell Cooperation in the Mitogenic Response |
| B. Zakhireh and H. L. Malech | 2143 | The Effect of Colchicine and Vinblastine on the Chemotactic Response of Human Monocytes |
| S. M. Friedman, S. B. Hunter, Y. Thomas, and L. Chess | 2202 | Hapten-Specific Human T Cell Lines. I. Functional Analysis with Respect to Cytotoxic and Helper Activity |
| G. H. Reaman, D. G. Poplack, S. Broder, and W. J. Pichler | 2215 | Fc Receptors on Human T Lymphocytes. V. Effects of Colchicine and Cytochalasin B on Fc Receptor Expression |
| S. L. Newman, R. A. Musson, and P. M. Henson | 2236 | Development of Functional Complement Receptors during <i>in Vitro</i> Maturation of Human Monocytes into Macrophages |
| M.-S. Tsoi, R. Storb, S. Dobbs, L. Medill, and E. D. Thomas | 2258 | Cell-Mediated Immunity to Non-HLA Antigens of the Host by Donor Lymphocytes in Patients with Chronic Graft-vs-Host Disease |
| M. E. Conley, J. F. Kearney, A. R. Lawton, III, and M. D. Cooper | 2311 | Differentiation of Human B Cells Expressing the IgA Subclasses as Demonstrated by Monoclonal Hybridoma Antibodies |

Continued on page 4

IMMUNOCHEMISTRY

- | | | |
|---|------|---|
| R. C. Siegel and R. E. Cathou | 1910 | Conformation of Immunoglobulin M. III. Structural Requirements of Antigen for Complement Fixation by Equine IgM |
| R. DiCamelli, L. A. Potempa, J. Siegel, L. Suyehira, K. Petras, and H. Gewurz | 1933 | Binding Reactivity of C-Reactive Protein for Polycations |
| J.-C. Antoine, M. Maurice, G. Feldmann, and S. Avrameas | 1939 | <i>In Vivo</i> and <i>in Vitro</i> Effects of Colchicine and Vinblastine on the Secretory Process of Antibody-Producing Cells |
| A. Marshak-Rothstein, J. D. Benedetto, R. L. Kirsch, and M. L. Geffer | 1987 | Unique Determinants Associated with Hybridoma Proteins Expressing a Cross-Reactive Idiotype: Frequency among Individual Immune Sera |
| J. E. Layton | 1993 | Anti-Carbohydrate Activity of T Cell-Reactive Chicken Anti-mouse Immunoglobulin Antibodies |
| M. Nonaka, S. Natsuume-Sakai, T. Kaidoh, M. Nonaka, and M. Takahashi | 2025 | Characterization of Allotypic Determinants of Murine Complement C3 |
| M. R. Daha and L. A. van Es | 2051 | Relative Resistance of the F-42-Stabilized Classical Pathway C3 Convertase to Inactivation by C4-Binding Protein |
| C. DeLisi, M. Boyle, and T. Borsos | 2055 | Analysis of the Colloid Osmotic Step of Complement-Mediated Immune Hemolysis |
| S. I. Rosenfeld, C. H. Packman, D. E. Jenkins, Jr., J. K. Countryman, and J. P. Leddy | 2063 | Complement Lysis of Human Erythrocytes. III. Differing Effectiveness of Human and Guinea Pig C9 on Normal and Paroxysmal Nocturnal Hemoglobinuria Cells |
| C. H. Sibley, S. J. Ewald, M. R. Kehry, R. H. Douglas, W. C. Raschke, and L. E. Hood | 2097 | Characterization of Multiple Immunoglobulin μ -Chains Synthesized by Two Clones of a B Cell Lymphoma |
| E. B. Reilly, K. Auditore-Hargreaves, U. Hämmerling, and P. D. Gottlieb | 2245 | Lyt-2 and Lyt-3 Alloantigens: Precipitation with Monoclonal and Conventional Antibodies and Analysis on One- and Two-Dimensional Polyacrylamide Gels |
| S. Habu, M. Kasai, Y. Nagai, N. Tamaoki, T. Tada, L. A. Herzenberg, and K. Okumura | 2284 | The Glycolipid, Asialo GM ₁ , as a New Differentiation Antigen of Fetal Thymocytes |
| C. DeLisi, M. D. P. Boyle, and T. Borsos | 2334 | Mathematical Analysis of the Reaction of EAC1-8 with C9: Identification of Parameters Defining Conditions for Molecular Titration |
| S. J. Nelson and D. D. Manning | 2339 | Persistence of Passively Transferred Goat F(ab') ₂ Antibody Fragments in the Circulation of Rodents |

IMMUNOGENETICS AND TRANSPLANTATION

- | | | |
|---|------|--|
| D. L. Mann and S. O. Sharrow | 1889 | HLA-DRw Alloantigens Can Be Detected on Peripheral Blood T Lymphocytes |
| J. H. Fitch, S. Ferrone, V. Quaranta, G. A. Molinaro, and M. J. Cline | 2004 | Monoclonal Antibodies to HLA-A,B, and Ia-Like Antigens Inhibit Colony Formation by Human Myeloid Progenitor Cells |
| R. A. Curry, M. A. Pellegrino, R. E. Saxton, F. Jensen, and S. Ferrone | 2017 | Appearance of Receptors for <i>Macaca speciosa</i> Red Blood Cells on Human Fibroblasts Transformed by Simian Virus 40 |
| E. E. Wollman, D. Cohen, D. Fradelizi, M. Sasportes, and J. Dausset | 2039 | Different Stimulating Capacity of B and T Lymphocytes in Primary and Secondary Allogeneic Reactions: Cellular Detection of HLA-D Products on T Lymphocytes |
| S. M. Rose, T. H. Hansen, and S. E. Cullen | 2044 | Structural Relation of Murine "Third Locus" (<i>H-2L</i>) Major Histocompatibility Antigens to the Products of <i>H-2K</i> and <i>H-2D</i> Loci |
| J. Sprent | 2089 | Features of Cells Controlling H-2-Restricted Presentation of Antigen to T Helper Cells <i>in Vivo</i> |
| B. J. Mathieson, S. O. Sharrow, K. Bottomly, and B. J. Fowlkes | 2127 | Ly 9, an Alloantigenic Marker of Lymphocyte Differentiation |
| J. F. Harris and T. L. Delovitch | 2167 | Derivation of a Monoclonal Antibody That Detects an Ia Antigen Encoded by 2 Complementing <i>I</i> -Subregions |
| S. M. Michalek, H. Kiyono, J. L. Babb, and J. R. McGhee | 2220 | Inheritance of LPS Nonresponsiveness and Elevated Splenic IgA Immune Responses in Mice Orally Immunized with Heterologous Erythrocytes |
| S. O. Sharrow, K. Ozato, and D. H. Sachs | 2263 | Phenotypic Expression of I-A and I-E/C Subregion Determinants on Murine Thymocytes |
| R. N. Smith and J. C. Howard | 2289 | Heterogeneity of the Tolerant State in Rats with Long Established Skin Grafts |
| F. A. Hunter, J. W. Paslay, A. S. Bhowan, J. E. Mole, and J. C. Bennett | 2295 | Monoclonal and Allospecific H-2K ^k Antisera Precipitate a High Molecular Weight Protein |

IMMUNOPATHOLOGY

- | | | |
|--|------|---|
| L. M. McManus, J. O. Shaw, and R. N. Pinckard | 1950 | Thromboxane B ₂ (TxB ₂) Release during IgE Anaphylaxis in the Rabbit |
| R. A. Eisenberg and F. J. Dixon | 1959 | Effect of Castration on Male-Determined Acceleration of Autoimmune Disease in BXSB Mice |
| C. N. Serhan, H. M. Korchak, and G. Weissmann | 2020 | PGB ₂ , a Prostaglandin Derivative, Mimics the Action of the Calcium Ionophore A23187 on Human Neutrophils |
| S. J. Ackerman, D. A. Loegering, and G. J. Gleich | 2118 | The Human Eosinophil Charcot-Leyden Crystal Protein: Biochemical Characteristics and Measurement by Radioimmunoassay |
| A. N. Theofilopoulos, R. Balderas, D. L. Shawler, S. Izui, B. L. Kotzin, S. Strober, and F. J. Dixon | 2137 | Inhibition of T Cell Proliferation and SLE-Like Syndrome of MRL/1 Mice by Whole Body or Total Lymphoid Irradiation |
| M. Nowakowski, P. J. Edelson, and C. Bianco | 2189 | Activation of C3H/HeJ Macrophages by Endotoxin |
| T. F. Lint, H. J. Zeitz, and H. Gewurz | 2252 | Inherited Deficiency of the Ninth Component of Complement in Man |
| G. Marone, L. L. Thomas, and L. M. Lichtenstein | 2277 | The Role of Agonists That Activate Adenylate Cyclase in the Control of cAMP Metabolism and Enzyme Release by Human Polymorphonuclear Leukocytes |
| S. Kishimoto, S. Tomino, H. Mitsuya, K. Fujiwara, and H. Tsuda | 2347 | Age-Related Decline in the <i>in Vitro</i> and <i>in Vivo</i> Synthesis of Anti-tetanus Toxoid Antibody in Humans |

TUMOR IMMUNOLOGY

- | | | |
|---|------|--|
| G. B. Mills and V. Paetkau | 1897 | Generation of Cytotoxic Lymphocytes to Syngeneic Tumor by Using Co-stimulator (Interleukin 2) |
| G. B. Mills, G. Carlson, and V. Paetkau | 1904 | Generation of Cytotoxic Lymphocytes to Syngeneic Tumors by Using Co-stimulator (Interleukin 2): <i>In Vivo</i> Activity |
| C. A. Dahl | 1924 | Natural Cytotoxicity in the Mouse Embryo. I. Evidence for the Presence of Natural Cytotoxic Function in the Yolk Sac of the 10-Day Mouse Embryo |
| Y. Kaneko, S. Natsuume-Sakai, K. Moriawaki, and S. Migita | 2031 | F ₁ Hybrid Resistance to Murine Plasmacytoma MOPC-70A: Hybrid Resistance to MOPC-70A Controlled by a Locus Linked to H-2 |
| A. C. Hannam-Harris, J. Gordon, and J. L. Smith | 2177 | Immunoglobulin Synthesis by Neoplastic B Lymphocytes: Free Light Chain Synthesis as a Marker of B Cell Differentiation |
| T. W. LeBien and J. H. Kersey | 2208 | A Monoclonal Antibody (TA-1) Reactive with Human T Lymphocytes and Monocytes |
| R. W. Barton, F. Tausche, and I. Goldschneider | 2299 | Evidence for the Cellular Origin of Gross Virus-Induced Leukemia in the Rat: Description of a Unique LDH Isozyme Sub-band in Leukemic Lymphoid Cells and Lymphohemopoietic Precursor Cells |
| W. H. Phillips, J. R. Ortaldo, and R. R. Herberman | 2322 | Selective Depletion of Human Natural Killer Cells on Monolayers of Target Cells |
| J. L. Russell and E. S. Golub | 2328 | Cell Surface DNA in Immunosuppression in AKR Leukemia |

VIRAL AND MICROBIAL IMMUNOLOGY

- | | | |
|--|------|--|
| R. B. Effros, J. C. Hiserodt, and B. Bonavida | 1879 | A "Nonidiotypic" Inhibition of Influenza-Immune H-2-Restricted CTL by an Anti-T Cell Serum |
| R. E. Rocklin, A. P. Brown, K. S. Warren, R. P. Pelley, V. Houba, T. K. A. Siongok, J. Ouma, R. F. Sturrock, and A. E. Butterworth | 1916 | Factors that Modify the Cellular-Immune Response in Patients Infected by <i>Schistosoma mansoni</i> |
| K. Takaki, M. Harada, T. Sairenji, and Y. Hinuma | 2112 | Identification of Target Antigen for Antibody-Dependent Cellular Cytotoxicity on Cells Carrying Epstein-Barr Virus Genome |
| C. S. Reiss and J. L. Schulman | 2182 | Cellular Immune Responses of Mice to Influenza Virus Vaccines |
| R. D. Pearson and R. T. Steigbigel | 2195 | Mechanism of Lethal Effect of Human Serum upon <i>Leishmania donovani</i> |
| J. L. Dienstag and A. K. Bhan | 2269 | Enhanced <i>in Vitro</i> Cell-Mediated Cytotoxicity in Chronic Hepatitis B Virus Infection: Absence of Specificity for Virus-Expressed Antigen on Target Cell Membranes |
| D. S. Cunningham, G. R. Benavides, and R. E. Kuhn | 2317 | Differences in the Regulation of Humoral Responses between Mice Infected with <i>Trypanosoma cruzi</i> and Mice Administered <i>T. cruzi</i> -Induced Suppressor Substance |

LETTERS TO THE EDITOR

W. E. Stewart, II, J. E. Blalock, D. C. Burke, C. Chany, J. K. Dunning, E. Falcoff, R. M. Friedman, G. J. Galasso, W. K. Joklik, J. T. Vileck, J. S. Younger, K. C. Zoon	2353	Interferon Nomenclature
B. Wolf	2354	
S. Sell	2354	
V. Cabana and S. Dray	2355	
Announcements	2357	
Erratum	2359	
Author Index	2360	