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1808  Effects of Anti-LYT-2 and Anti-L3T4 Monoclonal Antibodies on the Function of CTL/HTL Hybrid T Cell Clones

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1813  Recognition by Cytotoxic T Lymphocytes of QA-2 Antigens. Sensitivity of QA-2 Molecules to Phosphatidylinositol-Specific Phospholipase C

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1819  Clonal Analysis of Mechanisms of Murine T Helper Cell Collaboration with Effector Cells of Macrophage Lineage

S. R. Webb, A. Okamoto, and J. Sprent

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1835  Species-Specific Structural Differences in α1 + α2 Domains Determine the Frequency of Murine Cytotoxic T Cell Precursors Stimulated by Human and Murine Class I Molecules

M. McDuffie, N. Roehm, J. W. Kappler, and P. Marrack

1840  Involvement of Major Histocompatibility Complex Products in Tolerance Induction in the Thymus

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1848  Rapid T Cell Receptor Modulation Accompanies Lack of in Vitro Mitogenic Responsiveness of Double Negative T Cells to Anti-CD3 Monoclonal Antibody in MRL/Mp-lpr/lpr Mice

A. Mathur, R. G. Lynch, and G. Kohler

1855  Expression, Distribution and Specificity of Fc Receptors for IgM on Murine B Cells

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1863  Age-Related Changes in the Capability of the Bone Marrow to Generate B Cells

L. C. Eisenlohr, W. Gerhard, and C. J. Hackett

1870  Acid-Induced Conformational Modification of the Hemagglutinin Molecule Alters Interaction of Influenza Virus with Antigen-Presenting Cells

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1877  Mature T Cells Generated from Single Thymic Clones are Phenotypically and Functionally Heterogeneous

G. A. Peltz, M. L. Trounstine, and K. W. Moore

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1897  Thy-1+ Epidermal Cells in Nude Mice are Distinct from their Counterparts in Thymus-Bearing Mice. A Study of Morphology, Function, and T Cell Receptor Expression

L. K. Bockenstedt, M. A. Goldsmith, M. Dustin, D. Olive, T. A. Springer, and A. Weiss

1904  The CD2 Ligand LFA-3 Activates T Cells but Depends on the Expression and Function of the Antigen Receptor


1912  Role of the LFA-3-CD2 Interaction in Human Specific B Cell Differentiation

A. C. Carrera, M. Rincón, R. Sánchez-Madrid, M. Lopez-Botet, and M. O. de Landázuri

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A. Gougos and M. Letarte  
1934 Biochemical Characterization of the 44G4 Antigen from the HOON pre-B Leukemic Cell Line

1941 Autoreactive T Cells in MRL/Mp-lpr/lpr Mice: Characterization of the Lymphokines Produced and Analysis of Antigen-Presenting Cells Required

1949 Immune Recognition of AIDS Virus Antigens by Human and Murine Cytotoxic T Lymphocytes

S. M. Cooper, S. Sriram, and G. E. Ranges  
1958 Suppression of Murine Collagen-Induced Arthritis with Monoclonal Anti-Id Antibodies and Augmentation with IFN-γ

D. N. Posnett, A. Gottlieb, J. Bussel, S. Friedman, N. Chiorazzi, Y. Li, P. Szabo, N. Farid, and M. A. Robinson  
1963 T Cell Antigen Receptors in Autoimmunity

N. Yoshimura, H. Nakamura, S. Honjo, N. Akiyama, and M. Hayami  
1970 Killer Cell Systems of Cynomolgus Monkeys Experimentally Infected with HTLV-1

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

J. S. Lillquist, P. L. Simon, M. Summers, Z. Jonak, and P. R. Young  
1975 Structure-Activity Studies of Human IL-1β with Mature and Truncated Proteins Expressed in Escherichia coli

J.-P. Galizzi, H. Carbrillat, F. Rousseau, C. Ménêtret, J. E. de Vries, and J. Banchereau  
1982 IFN-γ and Prostaglandin E2 Inhibit IL-4-Induced Expression of FceR2/CD23 on B Lymphocytes through Different Mechanisms without Altering Binding of IL-4 to its Receptor

C. V. Paya, N. Kenmotsu, R. A. Schoon, and P. J. Leibson  
1989 Tumor Necrosis Factor and Lymphotoxin Secretion by Human Natural Killer Cells Leads to Antiviral Cytotoxicity

A. Vink, P. Vandenabeele, C. Uyttenhove, S. Cayphas and J. Van Snick  
1996 Plasmacytoma Growth Factor Activity of Murine Granulocytic-Macrophage Colony-Stimulating Factor

T. Defrance, B. Vanbervliet, J. Pène, and J. Banchereau  
2000 Human Recombinant IL-4 Induces Activated B Lymphocytes to Produce IgG and IgM

R. S. Kornbluth, S. A. Gregory, and T. S. Edgington  
2006 Initial Characterization of a Lymphokine Pathway for the Immunologic Induction of Tumor Necrosis Factor-α Release from Human Peripheral Blood Mononuclear Cells

A. G. King, D. Wierda, and R. S. Landreth  
2016 Bone Marrow Stromal Cell Regulation of B-Lymphopoiesis: I. The Role of Macrophages, IL-1, and IL-4 in Pre-B Cell Maturation

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2027 Down-Regulation of IL-1β Biosynthesis by Inducers of the Heat Shock Response

2035 Recombinant Murine IL-5 Induces High Rate IgA Synthesis in Cycling IgA-Positive Peyer’s Patch B Cells

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