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- M. Takagi, K. Koike, and T. Nakahata 1880 Antiproliferative Effect of IFN- γ on Proliferation of Mouse Connective Tissue-Type Mast Cells

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- P. Valent, J. Besemer, K. Kishi, R. Kaltenbrunner, B. Kuhn, D. Maurer, K. Lechner, and P. Bettelheim 1885 IL-3 Promotes Basophilic Differentiation of KU812 Cells through High Affinity Binding Sites
- J. G. J. van de Winkel, M. Jansze, and P. J. A. Capel 1890 Effect of Protease Inhibitors on Human Monocyte IgG Fc Receptor II: Evidence that Serine Esterase Activity Is Essential for Fc γ RII-Mediated Binding
- J. A. Warner and D. W. MacGlashan, Jr. 1897 Signal Transduction Events in Human Basophils: A Comparative Study of the Role of Protein Kinase C in Basophils Activated by Anti-IgE Antibody and Formyl-Methionyl-Leucyl-Phenylalanine
- R. Welbourn, G. Goldman, L. Kobzik, I. Paterson, C. R. Valeri, D. Shepro, and H. B. Hechtman 1906 Neutrophil Adherence Receptors (CD18) in Ischemia: Dissociation between Quantitative Cell Surface Expression and Diapedesis Mediated by Leukotriene B₄

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- G.-E. Kwan-Lim and R. M. Maizels 1912 MHC- and Non-MHC-Restricted Recognition of Filarial Surface Antigens in Mice Transplanted with Adult *Brugia malayi* Parasites
- M. Nain, F. Hinder, J.-H. Gong, A. Schmidt, A. Bender, H. Sprenger, and D. Gemsa 1921 Tumor Necrosis Factor- α Production of Influenza A Virus-Infected Macrophages and Potentiating Effect of Lipopolysaccharides
- W. C. Yang, R. M. Hesselton, and J. L. Sullivan 1929 Immune Responses to *Herpesvirus sylvilagus* Infection in Cottontail Rabbits

MOLECULAR BIOLOGY • MOLECULAR GENETICS

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- K. Gustafsson, C. LeGuern, F. Hirsch, S. Germana, K. Pratt, and D. H. Sachs 1946 Class II Genes of Miniature Swine. IV. Characterization and Expression of Two Allelic Class II DQB cDNA Clones
- R. Kay, F. Takei, and R. K. Humphries 1952 Expression Cloning of a cDNA Encoding M1/69-J11d Heat-Stable Antigens
- S. Sartoris, M. T. Scupoli, L. Scarpellino, F. Paiola, M. Jotterand-Bellomo, G. Tridente, and R. S. Accolla 1960 Inducible and Constitutive MHC Class II Gene Expression: Distinct Tissue-Specific Genetic Controls
- M. Tanabe, M. Minami, K. Kano, and M. Takiguchi 1968 The Allorecognition of H-2K^b-Specific CD4⁻CD8⁻ T Cell Hybridomas Is Influenced by the Substitution at Residue 256 of MHC Class I Molecules

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- D. H. Lynch and R. E. Miller 1983 Induction of Murine Lymphokine-Activated Killer Cells by Recombinant IL-7
- S. Sugawara, M. Nowicki, S. Xie, H.-J. Song, and G. Denner 1991 Effects of Stress on Lysability of Tumor Targets by Cytotoxic T Cells and Tumor Necrosis Factor
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