Developmental Ages of the Thymic Epithelium and of the T Cell Precursors Together Determine the Proportions of Peripheral CD4+ Cells
Becky Adkins and Kara Hamilton

IL-12 is Expressed and Released by Human Keratinocytes and Epidermoid Carcinoma Cell Lines
Yoshinori Aragane, Helge Riemann, Ranjit S. Bhargava, Agatha Schwarz, Yasuhiro Sawada, Hidekazu Yamada, Thomas A. Luger, Marek Kubin, Giorgio Trinchieri, and Thomas Schwarz

IL-2 Can Support Growth of CD8+ T Cells but Not CD4+ T Cells of Human IL-2 Receptor β-Chain Transgenic Mice
Masatake Asano, Yasumasa Ishida, Hisataka Sabe, Motonari Kondo, Kazuo Sugamura, and Tasuku Honjo

Antigen Presentation and Assembly by Mouse I-Aκ Class II Molecules in Human APC Containing Deleted or Mutated HLA DM Genes
Andrew G. Brooks, Paul L. Campbell, Pakathip Reynolds, Anand M. Gautam, and James McCluskey

Differential Regulation of Proto-Oncogenes c-jun and c-fos in T Lymphocytes Activated Through CD28
Gurkamal S. Chatta, A. Gregory Spies, Sandra Chang, Gregory J. Mize, Peter S. Linsley, Jeffrey A. Ledbetter, and David R. Morris

Antigen-Presenting Function of Human Endothelial Cells: Direct Activation of Resting CD8 T Cells
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Characterization of a Granule-Independent Lytic Mechanism Used by CTL Hybridomas
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CD27 Is a Signal-Transducing Molecule Involved in CD45RA⁺ Naive T Cell Costimulation
Tetsuji Kobata, Kazunaga Agematsu, Junichi Kameoka, Stuart F. Schlossman, and Chikao Morimoto

Platelet-Activating Factor Induces the Tyrosine Phosphorylation and Activation of Phospholipase C-γ1, Fyn and Lyn Kinases, and Phosphatidylinositol 3-Kinase in a Human B Cell Line
Abraham Kuruvilla, Christian Pielop, and William T. Shearer

Regulation of Adhesion Molecule Expression by CD8 T Cells In Vivo: II. Expression of L-Selectin (CD62L) by Memory Cytolytic T Cells Responding to Minor Histocompatibility Antigens
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Outcome of Kupffer Cell Antigen Presentation to a Cloned Murine Th1 Lymphocyte Depends on the Inducibility of Nitric Oxide Synthase by IFN-γ
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Tyrosine Phosphorylation of VCP, the Mammalian Homologue of the Saccharomyces cerevisiae CDC48 Protein, Is Unusually Sensitive to Stimulation by Sodium Vanadate and Hydrogen Peroxide
Robert J. Schulte, Mary-Ann Campbell, Wolfgang H. Fischer, and Bartholomew M. Sefton

CD44 Is a Cytotoxic Triggering Molecule in Human Peripheral Blood NK Cells
Giuseppe Sconocchia, Julie A. Titus, and David M. Segal

H-2 Allele-Specific Protection from NK Cell Lysis In Vitro for Lymphoblasts but Not Tumor Targets: Protection Mediated by α1/α2 Domains
Charles L. Sentman, Mats Y. Olsson, Margarita Salcedo, Petter Höglund, Urban Lendahl, and Klas Kärre

TCR Selection and Allelic Exclusion in RAG Transgenic Mice That Exhibit Abnormal T Cell Localization in Lymph Nodes and Lymphatics
Jay Wayne, Heikyung Suh, Karen A. Sokol, Howard T. Petrie, Margit Witmer-Pack, Susanne Edelhoff, Christine M. Distefo, and Michel C. Nussenzweig

CD43 (S7) Expression Identifies Peripheral B Cell Subsets
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A Soluble Form of the HLA-G Antigen Is Encoded by a Messenger Ribonucleic Acid Containing Intron 4
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Novel Allele-Specific, Post-Translational Reduction in HLA Class I Surface Expression in a Mutant Human B Cell Line
Robert Greenwood, Yoji Shimizu, Gurbax S. Sekhon, and Robert DeMars

Regulation of the Human IgE Receptor (FceRII/CD23) by EBV: Localization of an Intron EBV-Responsive Enhancer and Characterization of Its Cognate GC-Box Binding Factors
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One Gene Encodes the Heavy Chains for Three Different Forms of IgY in the Duck
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An Ig Heavy Chain Enhancer of the Channel Catfish Ictalurus punctatus: Evolutionary Conservation of Function but Not Structure
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Individual Effects of the DR11-Variable β-Chain Residues 67, 71, and 86 upon DR(α,β11101)-Restricted, Peptide-Specific T Cell Proliferation
Jeffrey S. McKinney, Xin-Ting Fu, Craig Swearingen, Ellen Klohe, and Robert W. Karr

Octamer Factors Exert a Dual Effect on the IL-2 and IL-4 Promoters
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The Relationship Between Class I Binding Affinity and Immunogenicity of Potential Cytotoxic T Cell Epitopes
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Cytokeratin Peptide SFGSGFGGGY Mimics N-Acetyl-β-D-Glucosamine in Reaction with Antibodies and Lectins, and Induces In Vivo Anti-Carbohydrate Antibody Response
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Genomic Organization of Mouse and Human Bruton’s Agammaglobulinemia Tyrosine Kinase (Btk) Loci

Expressed Swine V_H Genes Belong to a Small V_H Gene Family Homologous to Human V_HIII
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HLA-G Polymorphisms in African Americans
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Construction, Expression, and Immunogenicity of Multiple Tandem Copies of the Schistosoma mansoni Peptide 115–131 of the P28 Glutathione S-Transferase Expressed as C-Terminal Fusions to Tetanus Toxin Fragment C in a Live Aro-Attenuated Vaccine Strain of Salmonella
Candidacidal Mechanisms in the Human Neonate: Impaired IFN-γ Activation of Macrophages in Newborn Infants

A Decapeptide (Gln-Asp-Leu-Thr-Met-Lys-Tyr-Gln-Ile-Phe) from Human Melanoma Is Recognized by CTL in Melanoma Patients
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An Efficient Th2-Type Memory Follows CD8+ Lymphocyte-Driven and Eosinophil-Mediated Rejection of a Spontaneous Mouse Mammary Adenocarcinoma Engineered to Release IL-4
Federica Pericle, Mirella Giovarelli, Mario P. Colombo, Giuliana Ferrari, Piero Musiani, Andrea Modesti, Federica Cavallo, Francesco Di Pierro, Francesco Novelli, and Guido Forni

IL-2-Dependent NK Cell Responses Discovered in Virus-Infected β2-Microglobulin-Deficient Mice
Helen C. Su, Jordan S. Orange, Loren D. Fast, Andrew T. Chan, Stephen J. Simpson, Cox Terhorst, and Christine A. Biron

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Monoclonal Antibodies Detect Different Distribution Patterns of IL-8 Receptor A and IL-8 Receptor B on Human Peripheral Blood Leukocytes
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Neutrophils Migrate to Delayed-Type Hypersensitivity Reactions in Joints, but Not in Skin: Mechanism Is Leukocyte Function-Associated Antigen-1/Mac-1-Independent
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Connective Tissue-Activating Peptide III Desensitizes Chemokine Receptors on Neutrophils: Requirement for Proteolytic Formation of the Neutrophil-Activating Peptide 2
Luc Harter, Frank Petersen, Hans-Dieter Flad, and Ernst Brandt

Transfection of Vitamin D Receptor cDNA into the Monoblastoid Cell Line U937: The Role of Vitamin D3 in Homotypic Macrophage Adhesion
Martin Hewison, Michal Dabrowski, Lee Faulkner, Elaine Hughson, Shilpa Vadher, Andrew Rut, Paul M. Brickell, Jeffrey L. H. O'Riordan, and David R. Katz

A Transcription Factor with AP3-Like Binding Specificity Mediates Gene Regulation After an Allergic Triggering with IgE and Ag in Mouse Mast Cells
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Regulation of Intestinal Epithelial Barrier Function by TGF-β1: Evidence for Its Role in Abrogating the Effect of a T Cell Cytokine
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Lipopolysaccharide Induces Activation of the Raf-1/MAP Kinase Pathway: A Putative Role for Raf-1 in the Induction of the IL-1β and the TNF-α Genes
Thomas Reimann, Dirk Büscher, Robert A. Hipkind, Stefan Krautwald, Marie-Luise Lohmann-Matthes, and Manuela Baccarini

Captopril Inhibits Neutrophil Synthesis of Leukotriene B₄ In Vitro and In Vivo
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LPS Induces Selective Translocation of Protein Kinase C-β in LPS-Responsive Mouse Macrophages, but Not in LPS-Nonresponsive Mouse Macrophages
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Differential Gene Expression for IL-1 Receptor Antagonist, IL-1, and TNF Receptors and IL-1 and TNF Synthesis May Explain IL-1-Induced Resistance to Infection
Maria T. E. Vogels, Ewald J. B. M. Mensink, Ke Ye, Otto C. Boerman, Catharina M. M. Verschueren, Charles A. Dinarello, and Jos W. M. van der Meer

**Clinical Immunology**

IL-10 Is Induced During HIV-1 Infection and Is Capable of Decreasing Viral Replication in Human Macrophages
Robert E. Akridge, Luiza K. M. Oyafuso, and Steven G. Reed

Macrophage Function in Simian AIDS: Killing Defects In Vivo are Independent of Macrophage Infection, Associated with Alterations in TH Phenotype, and Reversible with IFN-γ
Scott J. Brodie, Vito G. Sasseville, Keith A. Reimann, Meredith A. Simon, Prabhat K. Sasseville, and Douglas J. Ringler

Elevated Levels of Shed Type II IL-1 Receptor in Sepsis: Potential Role for Type II Receptor in Regulation of IL-1 Responses

Immunosuppression to Cardiac Allografts and Soluble Antigens by Anti-Vascular Cellular Adhesion Molecule-1 and Anti-Very Late Antigen-4 Monoclonal Antibodies
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Induction of T Cell Tolerance by Pretreatment with Anti-ICAM-1 and Anti-Lymphocyte Function-Associated Antigen-1 Antibodies Prevents Antigen-Induced Eosinophil Recruitment into the Mouse Airways
Atsuhito Nakao, Hiroshi Nakajima, Hisao Tomioka, Takashi Nishimura, and Itsuo Iwamoto

The Carboxyl-Terminal Region of HIV-1 Nef Protein Is a Cell Surface Domain That Can Interact with CD4⁺ T Cells
Kaori Otake, Yoichi Fujii, Takaaki Nakaya, Yoshii Nishino, Qiu Zhong, Koh Fujinaga, Masanori Kameoka, Kohji Ohki, and Kazuyoshi Ikuta