This information is current as of June 7, 2017.
### Cutting Edge

3769 Tyrosines 113, 128, and 145 of SLP-76 Are Required for Optimal Augmentation of NFAT Promoter Activity

*Nan Fang, David G. Motto, Susan E. Ross, and Gary A. Koretzky*

### Cellular Immunology and Immune Regulation

3775 The Catalytic Domain of pp56^{dck}, But Not Its Regulatory Domain, Is Sufficient for Inducing IL-2 Production


3783 Response of a Human T Cell Clone to a Large Panel of Altered Peptide Ligands Carrying Single Residue Substitutions in an Antigenic Peptide: Characterization and Frequencies of TCR Agonism and TCR Antagonism With or Without Partial Activation

*Yu-Zhen Chen, Sho Matsushita, and Yasuharu Nishimura*

3791 Evidence That the Wiskott-Aldrich Syndrome Protein May Be Involved in Lymphoid Cell Signaling Pathways

*Giles O. C. Cory, Lucy MacCarthy-Morrogh, Sharon Banin, Ivan Gout, Paul M. Brickell, Roland J. Levinsky, Christine Kinnon, and Ruth C. Levering*

3796 Mechanisms of Tolerance Induction: Splenocytes from Total Lymphoid Irradiated Mice Inhibit the IL-2 Pathway in TCR-Activated CD4 Cells

*Elizabeth H. Field, Zhong-Xiang Ye, and Todd M. Rouse*

3804 Overexpression of c-Fos Induces Apoptosis of CD43^{+} Pro-B Cells

*Lina Hu, Masahiko Hatano, Ulrich Rüther, and Takeshi Tokuhisa*

3812 Isolation and Characterization of Murine fra-1: Induction Mediated by CD40 and Surface Ig Is Protein Kinase C Dependent

*Li Huo and Thomas L. Rothstein*

3819 A Subclass of Dendritic Cells Regulates the Response of Naive CD8 T Cells by Limiting Their IL-2 Production

*Vadim Kronin, Ken Winkel, Gabriele Süss, Anne Kelso, William Heath, Jörg Kirberger, Harald von Boehmer, and Ken Shortman*
A Novel Complex, p40/42, Is Constitutively Associated with the B Cell Antigen Receptor and Phosphorylated Upon Receptor Stimulation  
Young J. Lee, Phot Luisiri, and Marcus R. Clark

Porcine Endothelial CD86 Is a Major Costimulator of Xenogeneic Human T Cells: Cloning, Sequencing, and Functional Expression in Human Endothelial Cells  
Stephen E. Maher, Karin Karmann, Wang Min, Christopher C. W. Hughes, Jordan S. Pober, and Alfred L. M. Bothwell

Apoptosis Signaling Pathways in Normal T Cells: Differential Activity of Bcl-2 and IL-1β-Converting Enzyme Family Protease Inhibitors on Glucocorticoid- and Fas-Mediated Cytotoxicity  
M. Belen Moreno, Sarfraz A. Memon, and Charles M. Zacharchuk

Molecular and Functional Characteristics of Dendritic Cells Generated from Highly Purified CD14+ Peripheral Blood Monocytes  
Winfried F. Pickl, Otto Majdic, Petra Kohl, Johannes Stöckl, Elisabeth Riedl, Clemens Scheinecker, Concha Bello-Fernandez, and Walter Knapp

β1 Integrin-Mediated Activation of Focal Adhesion Kinase and Its Association with Fyn and Zap-70 in Human NK Cells  
Hannah Rabinowich, Mioara Manciulea, Ronald B. Herberman, and Theresa L. Whiteside

Toxic Shock Syndrome Toxin-1-Induced Death Is Prevented by CTLA4Ig  
Bhaskar Saha, Beth Jaklic, David M. Harlan, Gary S. Gray, Carl H. June, and Ryo Abe

Herpesvirus saimiri-Transformed Human CD4+ T Cells Can Provide Polyclonal B Cell Help via the CD40 Ligand As Well As the TNF-α Pathway and Through Release of Lymphokines  
Kunal Saha, Randall Ware, Michael J. Yellin, Leonard Chess, and Israel Lowy

Cytotoxic γδ or αβ T Cells with a Natural Killer Cell Marker, CD56, Induced from Human Peripheral Blood Lymphocytes by a Combination of IL-12 and IL-2  
Masayuki Satoh, Shuhji Seki, Wataru Hashimoto, Kouetsu Ogasawara, Terutada Kobayashi, Katsuo Kumagai, Seiki Matsuno, and Kazuyoshi Takeda

MHC Genotype Controls the Capacity of Ligand Density to Switch T Helper (Th)-1/Th-2 Priming In Vivo  
Tony Schountz, Joel P. Kasselman, Fred A. Martinson, Leasa Brown, and Joseph S. Murray

Hyperoxia Activates NF-κB and Increases TNF-α and IFN-γ Gene Expression in Mouse Pulmonary Lymphocytes  
Lytitia M. Shea, Connie Beehler, Michael Schwartz, Robert Shenkar, Robin Tuder, and Edward Abraham

CD28/B7 Interactions Deliver a Unique Signal to Naive T Cells That Regulates Cell Survival but Not Early Proliferation  
Anne I. Sperling, Julie A. Auger, Benjamin D. Ehst, Ingrid C. Rulifson, Craig B. Thompson, and Jeffrey A. Bluestone

Apoptosis of Mouse Naive T Cells Induced by Recombinant Soluble Fas Ligand and Activation-Induced Resistance to Fas Ligand  
Takashi Suda, Masato Tanaka, Keiko Miwa, and Shigekazu Nagata
NK $1^+ CD4^- CD8^- \alpha \beta$ T Cells in the Peritoneal Cavity: Specific T Cell Receptor-Mediated Cytotoxicity and Selective IFN-\(\gamma\) Production Against B Cell Leukemia and Myeloma Cells  
Tomoharu Sugie, Hiroshi Kubota, Masaki Sato, Eijiro Nakamura, Masayuki Imamura, and Nagahiro Minato

Cloning of Minimally Divergent Allelic Forms of the Natural Killer (NK) Receptor Ly-49C, Differentially Controlled by Host Genes in the MHC and NK Gene Complexes  
Jonas Sundbäck, Klas Körre, and Charles L. Sentman

Lack of Requirement for SHP-1 in Both Fas-Mediated and Perforin-Mediated Cell Death Induced by CTL  
Hajime Takayama, Mi-Heon Lee, and Yoshiko Shirot-Someya

Intracellular IL-1\(\beta\) Is an Inhibitor of Fas-Mediated Apoptosis  
Toru Tatsuta, Jianhua Cheng, and John D. Mountz

Cross-Linking of MHC Class II Molecules by Staphylococcal Enterotoxin A Is Essential for Antigen-Presenting Cell and T Cell Activation  
Rodger E. Tiedemann and John D. Fraser

IFN-\(\gamma\)-Inducing Factor Up-Regulates Fas Ligand-Mediated Cytotoxic Activity of Murine Natural Killer Cell Clones  
Hiroki Tsutsui, Kenji Naknashi, Kiyoshi Matsui, Kazuya Higashino, Haruki Okamura, Yukho Miyazawa, and Kenji Kaneda

Both Multiorgan Inflammation and Myeloid Hyperplasia in RelB-Deficient Mice Are T Cell Dependent  
Falk Weih, Stephen K. Durham, Debra S. Barton, William C. Sha, David Baltimore, and Rodrigo Bravo

A Mitochondrial Membrane Protein Defined by a Novel Monoclonal Antibody Is Preferentially Detected in Apoptotic Cells  
Chonghui Zhang, Zhaohui Ao, Aruna Seth, and Stuart F. Schlossman

Mutations in the MHC Class II Binding Domains of Staphylococcal Enterotoxin A Differentially Affect T Cell Receptor \(\nu\beta\) Specificity  
Duane W. Newton, Mikael Dohlsten, Christina Olsson, Sverker Segrén, Knut E. A. Lundin, Peter A. Lando, Torje Kolland, and Malak Koib

L-Selectin Binds to P-Selectin Glycoprotein Ligand-1 on Leukocytes: Interactions Between the Lectin, Epidermal Growth Factor, and Consensus Repeat Domains of the Selectins Determine Ligand Binding Specificity  
Lili Tu, Anjun Chen, Martha D. Delahunty, Kevin L. Moore, Susan R. Watson, Rodger P. McEver, and Thomas F. Tedder

Immunoglobulin D\(\text{H}\) Recombination Signal Sequence Targeting: Effect of D\(\text{H}\) Coding and Flanking Regions and Recombination Partner  
Linda F. VanDyk, Teresa W. Wise, Bethany B. Moore, and Katheryn Meek

The Progeny of a Single Virgin B Cell Predominates the Human Recall B Cell Response to the Capsular Polysaccharide of Haemophilus influenzae Type b  
Torben Barington, Lotte Houg, Lars Juul, Hans O. Madsen, Lars P. Ryder, Carsten Heilmann, and Arne Svejgaard
Cytokine Expression by Human Peripheral Blood Dendritic Cells Stimulated In Vitro with HIV-1 and Herpes Simplex Virus
Smita Ghanekar, Lian Zheng, Alison Logar, Jeannine Navratil, LuAnn Borowski, Phalguni Gupta, and Charles Rinaldo

Intestinal Transport and Catabolism of IgE: A Major Blood-Independent Pathway of IgE Dissemination During a Trichinella spiralis Infection of Rats
Deborah Negrao-Corrêa, Lincoln S. Adams, and Robin G. Bell

In the Absence of Endogenous IFN-γ, Mice Develop Unimpaired IL-12 Responses to Toxoplasma gondii While Failing to Control Acute Infection Tanya M. Scharton-Kersten, Thomas A. Wynn, Eric Y. Denkers, Shukal Bala, Eduardo Grunvald, Sara Hiency, Ricardo T. Gazzinelli, and Alan Sher

The Listerial Exotoxins Listeriolysin and Phosphatidylinositol-Specific Phospholipase C Synergize to Elicit Endothelial Cell Phosphoinositide Metabolism
Ulf Sibelius, Trinad Chakraborty, Bettina Krögel, Joachim Wolf, Frank Rose, Reinhold Schmidt, Jürgen Wehland, Werner Seeger, and Friedrich Grimminger

Protection Against Malaria by Plasmodium yoelii Sporozoite Surface Protein 2 Linear Peptide Induction of CD4+ T Cell- and IFN-γ-Dependent Elimination of Infected Hepatocytes
Ruobing Wang, Yupin Charoenvit, Giampietro Corradin, Patricia De La Vega, Eileen D. Franke, and Stephen L. Hoffman

IL-12 Enhances Vaccine-Induced Immunity to Schistosomes by Augmenting Both Humoral and Cell-Mediated Immune Responses Against the Parasite Thomas A. Wynn, Alicia Reynolds, Stephanie James, Allen W. Cheever, Pat Caspar, Sara Hiency, Dragana Jankovic, Mette Strand, and Alan Sher

Isolation of Tyrosinase-Specific CD8+ and CD4+ T Cell Clones from the Peripheral Blood of Melanoma Patients Following In Vitro Stimulation with Recombinant Vaccinia Virus
Cassian Yee, Mark J. Gilbert, Stanley R. Riddell, Vincent G. Brichard, Alexander Fefer, John A. Thompson, Thierry Boon, and Philip D. Greenberg

INFLAMMATION

Constitutive and Inducible Mechanisms for Synthesis and Release of Cytokines in Immune Cell Lines
Rudolf A. Baumgartner, Vincent A. Deramo, and Michael A. Beaven

The Role of E-Selectin in Lymphocyte and Polymorphonuclear Cell Recruitment into Cutaneous Delayed Hypersensitivity Reactions in Sensitized Pigs
Richard M. Binns, Anthony Whyte, Stephen T. Licence, Andrew A. Harrison, Yvonne T. M. Tsang, Dorian O. Haskard, and Martyn K. Robinson

In Vitro and In Vivo Secretion of Human ISG15, an IFN-Induced Immunomodulatory Cytokine
Jonathan D’Cunha, Sujatha Ramanujam, Randall J. Wagner, Patricia L. Witt, Ernest Knight, Jr., and Ernest C. Borden

Increased Heat Shock Protein 90 (hsp90) Expression Leads to Increased Apoptosis in the Monoblastoid Cell Line U937 Following Induction with TNF-α and Cycloheximide: A Possible Role in Immunopathology
Joanna Galea-Lauri, Andrew J. Richardson, David S. Latchman, and David R. Katz
Monocytes Can Phagocytose Gram-Negative Bacteria by a CD14-Dependent Mechanism
Uwe Granwald, Xiaolong Fan, Robert S. Jack, Gregachew Workalemahu, Axel Kallies, Felix Stelter, and Christine Schütt

Regulation by IL-5 of Expression of Functional Platelet-Activating Factor Receptors on Human Eosinophils
Seishi Kishimoto, Wataru Shimadzu, Takashi Izumi, Takao Shimizu, Takeshi Fukuda, Sohei Makino, Takayuki Sugiura, and Keizo Waku

Escherichia coli Hemolysin and Staphylococcus aureus α-Toxin Potently Induce Neutrophil Adhesion to Cultured Human Endothelial Cells
Matthias Krüll, Christina Dold, Stefan Hippenstiel, Simone Rosseau, Jürgen Lohmeyer, and Norbert Suttorp

Human RANTES Acts as a Receptor Antagonist for Guinea Pig Eotaxin In Vitro and In Vivo
Sylvie Morateau, David A. Griffiths-Johnson, Paul D. Collins, Yeshwant S. Bakhle, Timothy J. Williams, and Peter J. Jose

The Loss of Recombinant Human Granulocyte Colony-Stimulating Factor and Recombinant Human TNF-α Priming Effects on the Superoxide-Generating Response in Exudated Neutrophils Is Associated with a Decrease in Their Receptor Affinities
Masayuki Niwa, Al-Essa Luay Yousif, Ken-ichi Kohno, Yutaka Kanamori, Mitsuhiro Matsuno, Akira Abe, and Toshihiko Uematsu

Human Umbilical Vein Endothelial Cells Possess Binding Sites for the Globular Domain of Clq
Ellinor I. B. Peerschke, Susan S. Smyth, Edna I. Teng, Melissa Dalzell, and Berhane Ghebrehiwet

TNF-α and IL-1β Selectively Induce Expression of 92-kDa Gelatinase by Human Macrophages
Pirjo Sarén, Howard G. Welgus, and Petri T. Kovanen,

Mouse Decay-Accelerating Factor: Selective and Tissue-Specific Induction by Estrogen of the Gene Encoding the Glycosylphosphatidylinositol-Anchored Form
Wen-Chao Song, Chengjun Deng, Kimberly Raszmann, Rick Moore, Retha Newbold, John A. McLachlan, and Masahiko Negishi

Immunomodulatory Effects of IL-12 on Allergic Lung Inflammation Depend on Timing of Doses
Sanjiv Sur, John Simon Lam, Page Bouchard, Anastasia Sigounas, Donald Holbert, and W. James Metzger

Clinical Immunology

IL-2 Rescues In Vitro Lymphocyte Apoptosis in Patients with HIV Infection: Correlation with Its Ability to Block Culture-Induced Down-Modulation of Bcl-2
Yasushi Adachi, Naoki Oyaizu, Soe Than, Thomas W. McCloskey, and Savita Pahwa