This information is current as of April 12, 2017.
Notch Ligand Delta-Like 4 Regulates Development and Pathogenesis of Allergic Airway Responses by Modulating IL-2 Production and Th2 Immunity
Sihyug Jang, Matthew Schaller, Aaron A. Berlin, and Nicholas W. Lukacs

Store-Operated Ca\(^{2+}\) Entry through ORAI1 Is Critical for T Cell-Mediated Autoimmunity and Allograft Rejection
Christie-Ann McCarl, Sara Khalil, Jian Ma, Masatugu Oh-hora, Megumi Yamashita, Jens Roether, Takumi Kawasaki, Amit Jaitraman, Yoshiteru Sasaki, Murali Prakriya, and Stefan Feske

Impaired Apoptotic Cell Clearance in the Germinal Center by Mer-Deficient Tingible Body Macrophages Leads to Enhanced Antibody-Forming Cell and Germinal Center Responses
Ziaur S. M. Rahman, Wen-Hai Shao, Tabaish N. Khan, Yuxuan Zhen, and Philip L. Cohen

Sialylation of 3-Methylcholanthrene–Induced Fibrosarcoma Determines Antitumor Immune Responses during Immunodecting
Merav Cohen, Moshe Elkahets, Michal Perlmuter, Angel Porgador, Elena Voronov, Ron N. Apte, and Rachel G. Lichtenstein

IL-17A–Producing γδT Cells Promote CTL Responses against \textit{Listeria monocytogenes} Infection by Enhancing Dendritic Cell Cross-Presentation
Sheng Xu, Yanmei Han, Xiongfei Xu, Yan Bao, Minggang Zhang, and Xuetao Cao

Major Differences in the Responses of Primary Human Leukocyte Subsets to IFN-β
Anette H. H. van Boxel-Dezaire, Joana A. Zula, Yaomin Xu, Richard M. Ransohoff, James W. Jacobberger, and George R. Stark

Role of the P2Y₁₂ Receptor in the Modulation of Murine Dendritic Cell Function by ADP
Abdellahem Ben Addi, Dorothée Cammarata, Pamela B. Conley, Jean-Marie Boeynaems, and Bernard Robaye

A Butyrophilin Family Member Critically Inhibits T Cell Activation
Tomohide Yamazaki, Inigo Goya, Daniel Graf, Suzanne Craig, Natalia Martin-Orozco, and Chen Dong

Generation of Mucosal Dendritic Cells from Bone Marrow Reveals a Critical Role of Retinoic Acid
Ting Feng, Yingzi Cong, Hongwei Qin, Etty N. Benveniste, and Charles O. Elson

Direct Inhibition of Human RANK⁺ Osteoclast Precursors Identifies a Homeostatic Function of IL-1β
Bitnara Lee, Jae-Hwan Kim, Jae-Bum Jun, Dae-Hyun Yoo, Jin-Hyun Woo, Sung Jae Choi, Young Ho Lee, Gwan Gyu Song, Jeongwon Sohn, Kyung-Hyun Park-Min, Lionel B. Ivashkiv, and Jong Dae Ji

Rapid T Cell Receptor Delineation Reveals Clonal Expansion Limitation of the Magnitude of the HIV-1–Specific CD8⁺ T Cell Response
Arumugam Balamurugan, Hwee L. Ng, and Otto O. Yang

 Contributions of Edema Factor and Protective Antigen to the Induction of Protective Immunity by \textit{Bacillus anthracis} Edema Toxin as an Intranasal Adjuvant

IDO Upregulates Regulatory T Cells via Tryptophan Catabolite and Suppresses Encephalitogenic T Cell Responses in Experimental Autoimmune Encephalomyelitis
Yaping Yan, Guang-Xian Zhang, Bruno Gran, Francesca Fallarino, Shuo Yu, Hongmei Li, Melissa L. Cullimore, Abdalmohamed Rostami, and Hui Xu

On How Monospecific Memory-Like Autoregulatory CD8⁺ T Cells Can Blunt Diabetogenic Autoimmunity: A Computational Approach
Anmar Khadra, Sue Tsai, Pere Santamaria, and Leah Edelstein-Keshet

Temporal Differences in the Dependency on Phosphoinositide-Dependent Kinase 1 Distinguish the Development of Invariant Vα14 NKT Cells and Conventional T Cells
David R. Finlay, April P. Kelly, Rosemary Clarke, Linda V. Sinclair, Maria Deak, Dario R. Alessi, and Doreen A. Cantrell

An Intrinsic Mechanism Predisposes Foxp3-Expressing Regulatory T Cells to Th2 Conversion In Vivo
Yunqi Wang, Abdallah Souabni, Richard A. Flavell, and Yisong Y. Wan
PTPα Activates Lyn and Fyn and Suppresses Hck to Negatively Regulate FcεRI-Dependent Mast Cell Activation and Allergic Responses
Lionel A. Samayawardena and Catherine J. Pallen

Differential Requirement of Histone Acetylase and Deacetylase Activities for IRF5-Mediated Proinflammatory Cytokine Expression
Di Feng, Niquiche Sangster-Guity, Rivka Stone, Justyna Korzeniewska, Margo E. Mancl, Patricia Fitzgerald-Bocarsly, and Betty J. Barnes

Influenza A Infection Enhances Cross-Priming of CD8+ T Cells to Cell-Associated Antigens in a TLR7- and Type I IFN-Dependent Fashion
Joe Wei, Jason Waithman, Roleen Lata, Nicole A. Misfud, Jonathan Cebon, Thomas Kay, Mark J. Smyth, Anthony J. Sadler, and Weisan Chen

IL-31 Receptor (IL-31RA) Knockout Mice Exhibit Elevated Responsiveness to Oncostatin M
Janine Bilsborough, Sherri Madri, Eric Chadwick, Brandon Harder, and Stacey R. Dillon

IL-31 Receptor (IL-31RA) Knockout Mice Exhibit Elevated Responsiveness to Oncostatin M
Janine Bilsborough, Sherri Madri, Eric Chadwick, Brandon Harder, and Stacey R. Dillon

The Rapid Induction of HLA-E Is Essential for the Survival of Antigen-Activated Naive CD4 T Cells from Attack by NK Cells
Sumiko Takao, Takayuki Ishikawa, Kouhei Yamashita, and Takashi Uchiyama

MOLECULAR AND STRUCTURAL IMMUNOLOGY

No Requirement of Trans Presentations of IL-15 for Human CD8 T Cell Proliferation
Naruhisa Ota, Mitsuo Takase, Hidemi Uchiyama, Shaun K. Olsen, and Osami Kanagawa

Comparison of Identical and Functional Igh Alleles Reveals a Nonessential Role for Eμ in Somatic Hypermutation and Class-Switch Recombination
Fubin Li, Yi Yan, Joyce Pieretti, Danielle A. Feldman, and Laurel A. Eckhardt

PRDM1/Blimp-1 Controls Effector Cytokine Production in Human NK Cells
Matthew A. Smith, Michelle Maurin, Hyun Il Cho, Brian Becknell, Abaron G. Freud, Jianhua Yu, Sheng Wei, Julie Djen, Esteban Celis, Michael A. Caligiuri, and Kenneth L. Wright

A Ligand for CD5 Is CD5
Marion H. Brown and Erica Lacey

The CDR-H3 Repertoire from TdT-Deficient Adult Bone Marrow Is a Close, but Not Exact, Homologue of the CDR-H3 Repertoire from Perinatal Liver

The Peritoneal Cavity B-2 Antibody Repertoire Appears To Reflect Many of the Same Selective Pressures That Shape the B-1a and B-1b Repertoires

Collectin 11 (CL-11, CL-K1) Is a MASP-1/3–Associated Plasma Collectin with Microbial-Binding Activity
Soren Hansen, Lana Selman, Nades Palanjan, Kárel Ziegler, Jette Brandt, Anette Kliem, Mathen Jonason, Mikkel-Ole Skjoedt, Ole Nielsen, Kevan Hartshorn, Thomas J. D. Jørgensen, Karsten Skjeld, and Uffe Holmikov

Mast Cell Fibroblastoid Differentiation Mediated by Airway Smooth Muscle in Asthma
Davinder Kaur, Ruth Saunders, Fay Hollins, Lucy Woodman, Camille Doe, Salman Siddiqui, Peter Bradding, and Christopher Brightling

The Protein Tyrosine Phosphatase SHP-1 Modulates the Suppressive Activity of Regulatory T Cells
Tessy Iype, Mohan Sankarshanan, Ileana S. Mauldin, David W. Mullins, and Ulrike Lorenz

Domain Swapping Reveals Complement Control Protein Modules Critical for Imparting Cofactor and Decay-Accelerating Activities in Vaccinia Virus Complement Control Protein
Muzammil Ahmad, Sunil Raut, Kalyani Pyaram, Aishib Kamble, Jayati Mullick, and Arvind Sahu
HOST DEFENSE

6138 A Nonredundant Role for IL-21 Receptor Signaling in Plasma Cell Differentiation and Protective Type 2 Immunity against Gastrointestinal Helminth Infection
Iraib L. King, Katja Mohrs, and Markus Mohrs

6146 A New Mouse Model Reveals a Critical Role for Host Innate Immunity in Resistance to Rift Valley Fever
Tânia Zaverucha do Valle, Agnès Billene, Laurent Guillemeau, Rudi Albers, Céline Gommer, Robert Geffers, Kátia Calabrese, Klaus Schaeberlein, Michèle Bouloy, Xavier Montaguelli, and Jean-Jacques Panthier

6157 Evidence That the Erythrocyte Invasion Ligand PfRh2 is a Target of Protective Immunity against Plasmodium falciparum Malaria
Linda Reiling, Jack S. Richards, Freya J. I. Fowkes, Alyssa E. Barry, Tony Triglia, Watcharee Chokejindachai, Pascal Michon, Livingstone Tavul, Peter M. Siba, Alan F. Cowman, Ivo Mueller, and James G. Beezon

6168 Domain V Peptides Inhibit β2-Glycoprotein I-Mediated Mesenteric Ischemia/Reperfusion-Induced Tissue Damage and Inflammation

6179 Polyinosinic-Polycytidylic Acid Treatment of Friend Retrovirus-Infected Mice Improves Functional Properties of Virus-Specific T Cells and Prevents Virus-Induced Disease
Kathrin Gibbert, Kirsten K. Dietze, Gennadiy Zelinskyy, Karl S. Lang, Winfried Barchet, Carsten J. Kirschning, and Ulf Dittmer

6190 Neutropenia Enhances Lung Dendritic Cell Recruitment in Response to *Aspergillus* via a Cytokine-to-Chemokine Amplification Loop
Stacy J. Park, Marie D. Burdick, William K. Brix, Mark H. Stoler, David S. Askev, Robert M. Strieter, and Borna Mehrad

6198 Innate Immune Activation during *Salmonella* Infection Initiates Extramedullary Erythropoiesis and Splenomegaly
Amy Jackson, Minelva R. Nanton, Hope O’Donnell, Adovi D. Akue, and Stephen J. McSorley

6205 The Regulation of Th1 Responses by the p38 MAPK
Ziyan Yang, Xia Zhang, Patricia A. Darrah, and David M. Mosser

6214 CXCL1 Regulates Pulmonary Host Defense to *Klebsiella* Infection via CXCL2, CXCL5, NF-κB, and MAPKs
Shanshan Cai, Sanjay Batra, Sergio A. Lira, Jay K. Kolls, and Samithamby Jeyaseelan

6226 Inducible microRNA-155 Feedback Promotes Type I IFN Signaling in Antiviral Innate Immunity by Targeting Suppressor of Cytokine Signaling 1
Pin Wang, Jin Hou, Li Lin, Chunmei Wang, Xingguang Liu, Dong Li, Feng Ma, Zhugang Wang, and Xuetao Cao

6234 Enhanced Activation of T Lymphocytes by Urease-Deficient Recombinant Bacillus Calmette-Guérin Producing Heat Shock Protein 70-Major Membrane Protein-II Fusion Protein
Tetsu Mukai, Yumi Maeda, Toshiki Tamura, Masanori Matsuoka, yumiko Tsukamoto, and Masahiko Makino

INFLAMMATION

6244 Inhibition of Matrix Metalloproteinase-3 and -13 Synthesis Induced by IL-1β in Chondrocytes from Mice Lacking Microsomal Prostaglandin E Synthase-1
Marjolaine Gosset, Audrey Pigenet, Colette Salvat, Francis Berenbaum, and Claire Jacques

6253 Endothelin-1–Induced Macrophage Inflammatory Protein-1β Expression in Monocytic Cells Involves Hypoxia-Inducible Factor-1α and AP-1 and Is Negatively Regulated by microRNA-195
Caryn Gonsalves and Vijay K. Kalra

6265 Substance P Upregulates Cyclooxygenase-2 and Prostaglandin E Metabolite by Activating ERK1/2 and NF-κB in a Mouse Model of Burn-Induced Remote Acute Lung Injury
Selena W. S. Sio, Seab Fang Ang, Jia Lu, Shabbir Moochhala, and Madhav Bhattia
An Inflammasome-Independent Role for Epithelial-Expressed Nlrp3 in Renal Ischemia-Reperfusion Injury

Identification of Noncytotoxic and IL-10–Producing CD8⁺AT2R⁺ T Cell Population in Response to Ischemic Heart Injury
Caterina Curato, Svetlana Slavic, Jun Dong, Anna Skorska, Wasiim Altarche-Xifó, Kapka Miteva, Elena Kaschina, Andreas Thiel, Hans Imboden, Jianan Wang, Ulrike Steckelings, Gustavo Steinhoff, Thomas Unger, and Jun Li

Slit2 Regulates Attractive Eosinophil and Repulsive Neutrophil Chemotaxis through Differential srGAP1 Expression during Lung Inflammation
Bu-Qing Ye, Zhen H. Geng, Li Ma, and Jian-Guo Geng

Hydroxylase Inhibition Abrogates TNF-α–Induced Intestinal Epithelial Damage by Hypoxia-Inducible Factor-1–Dependent Repression of FADD
Pieter Hindryckx, Martine De Vos, Peggy Jacques, Liesbeth Ferdinande, Harald Peeters, Kim Olievier, Sara Bogaert, Brigitta Brinkman, Peter Vandenaeele, Dirk Elewaut, and Debby Laukens

Annexin A1: A Central Player in the Anti-Inflammatory and Neuroprotective Role of Microglia
Simon McArthur, Enrico Cristante, Mario Paterno, Helen Christian, Federico Roncaroli, Glenda E. Gillies, and Egle Solito

BLT2 Is Upregulated in Allergen-Stimulated Mast Cells and Mediates the Synthesis of Th2 Cytokines
Kyung-jin Cho, Ji-Min Seo, Min-Goo Lee, and Jae-Hong Kim

CLINICAL IMMUNOLOGY

Active Immunization with Amyloid-β 1–42 Impairs Memory Performance through TLR2/4-Dependent Activation of the Innate Immune System
Patrick Vollmar, Jennifer S. Kullmann, Barbara Thilo, Malte C. Clausen, Veit Rothhammer, Hortenzia Jacobi, Johann Sellner, Stefan Nesler, Thomas Korn, and Bernhard Hemmer

Generation and Differentiation of IL-17–Producing CD4⁺ T Cells in Malignant Pleural Effusion
Zhi-Jian Ye, Qiong Zhou, Yong-Yao Gu, Shou-Ming Qin, Wen-Li Ma, Jian-Bao Xin, Xiao-Nan Tao, and Huan-Zhong Shi

A Role for Lymphotixin in Primary Sjögren’s Disease
Long Shen, Lakshmanan Suresh, Jing Wu, Jingxiu Xuan, Hong Li, Chongjie Zhang, Oleh Panekwycz, and Julian L. Ambrus, Jr.

Expanded Numbers of Circulating Myeloid Dendritic Cells in Patent Human Filarial Infection Reflect Lower CCR1 Expression

The Neuroimmune Semaphorin-3A Reduces Inflammation and Progression of Experimental Autoimmune Arthritis
Alfonso Catalano

CORRECTIONS

Correction: The Structure of the TNFRSF13C Promoter Enables Differential Expression of BAFF-R during B Cell Ontogeny and Terminal Differentiation
Stephen A. Mihalick, Paul M. Huddleston, III, Xiaobeng Wu, and Diane F. Jelinek

AUTHOR INDEX