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PILLARS OF IMMUNOLOGY

1909 Interference with Virus Infection
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A. Isaacs and J. Lindenmann

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Kira Rubtsova, Anatoly V. Rubtsov, Michael P. Cancro, and Philippa Marrack

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Abul K. Azad, Murugesan V. S. Rajaram, Wendy L. Metz, Frederick O. Cope, Michael S. Blue, David R. Vera, and Larry S. Schlesinger

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Gavin M. Mason, Katie Lowe, Rossella Melchio, Richard Ellis, Emanuele de Rinaldis, Mark Peakman, Susanne Heck, Giovanna Lombardi, and Timothy I. M. Tree

2038 mTOR Inhibition Per Se Induces Nuclear Localization of FOXP3 and Conversion of Invariant NKT (iNKT) Cells into Immunosuppressive Regulatory iNKT Cells
Charlotte M. Huijts, Famke L. Schneiders, Juan J. Garcia-Vallejo, Henk M. Verheul, Tanja D. De Gruijl, and Hans J. Van der Vliet

IMMUNE REGULATION

2046 Identification of a New Exo-Endocytic Mechanism Triggered by Corticotropin-Releasing Hormone in Mast Cells
Santiago Balseiro-Gomez, Juan A. Flores, Jorge Acosta, M. Pilar Ramirez-Ponce, and Eva Ales

2057 Nucleotide-Induced Membrane-Proximal Proteolysis Controls the Substrate Specificity of T Cell Ecto–ADP-Ribosyltransferase ARTC2.2
Stephan Menzel, Björn Risiek, Peter Bannas, Thomas Jakoby, Maria Mikiewicz, Nicole Schwarz, Marion Nisen, Friedrich Haag, Andreas Tholey, and Friedrich Koch-Nolte

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David M. Richards, Eliana Ruggiero, Ann-Cathrin Hofer, Julian P. Sefrin, Manfred Schmidt, Christof von Kalle, and Markus Feuerer
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Cedric Boularan, Il-Young Huang, Olena Kamenyeva, Chung Park, Kathleen Harrison, Zhen Huang, and John H. Kehrl

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Alexandra J. Menner, Katharina S. Rauch, Peter Aichele, Hanspeter Pircher, Christian Schachtrup, and Kristina Schachtrup

The Neonatal CD4+ T Cell Response to a Single Epitope Varies in Genetically Identical Mice

Ryan W. Nelson, Miriam N. Rajpal, and Marc K. Jenkins

Store-Operated Ca2+ Release-Activated Ca2+ Channels Regulate PAR2-Activated Ca2+ Signaling and Cytokine Production in Airway Epithelial Cells

Amit Jairaman, Megumi Yamashita, Robert P. Schleimer, and Murati Prakriya

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Daniela Frasca, Alain Diaz, Maria Romero, Franco Ferracci, and Bonnie B. Blomberg

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Role of SHIP1 in Invariant NKT Cell Development and Functions


Cardif (MAVS) Regulates the Maturation of NK Cells

LaTeira D. Haynes, Shilpi Verma, Bryan McDonald, Runpei Wu, Robert Tacke, Heba N. Nouyshed, Jennifer Ekstein, Ariana Fournier, Chris A. Benedict, and Catherine C. Hedrick

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Belma Melda Abidin, Edward Owusu Kwarteng, and Krista M. Heinonen

Noninvasive In Toto Imaging of the Thymus Reveals Heterogeneous Migratory Behavior of Developing T Cells

Baubak Bajoghli, Paola Kuri, Daigo Inoue, Narges Aghaallaei, Marleen Hanelt, Thomas Thumberger, Matteo Rauzi, Joachim Wittbrodt, and Maria Leptin

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Cattle NK Cell Heterogeneity and the Influence of MHC Class I

Alasdair J. Allan, Nicholas D. Sanderson, Simon Gubbins, Shirley A. Ellis, and John A. Hammond

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Pierre Vacher, Anne-Marie Vacher, Raphael Pineau, Simon Latour, Isabelle Soubeiran, Céline Pangault, Karin Tarte, Pierre Soubeiran, Thomas Ducret, and Laurence Bresson-Bepoldin

Cholesterol Modification of p40-Specific Small Interfering RNA Enables Therapeutic Targeting of Dendritic Cells

Jürgen Brück, Steve Pascolo, Kerstin Fuchs, Christina Kellere, Ivana Glacova, Julia Geisel, Katja Dengler, Amir S. Yazdi, Martin Röcken, and Kamran Ghoreschi
IgG-Mediated Immune Suppression to Erythrocytes by Polyclonal Antibodies Can Occur in the Absence of Activating or Inhibitory Fcγ Receptors in a Full Mouse Model

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Monika Juko, Jan Potempa, Danuta Miazgowska, Ewa Bielecka, Miroslaw Kiszak, Kristian Riebeck, Peter Garred, Sigrun Eick, and Anna M. Blom

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Inge E. A. Fleisch, Natasha A. Hollett, Yik Chun Wong, Bárbara Resende Quinan, Debbie Howard, Flávio G. da Fonseca, and David C. Tscharyke

Restoration of CD4+ Responses to Copathogens in HIV-Infected Individuals on Antiretroviral Therapy Is Dependent on T Cell Memory Phenotype

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Vibrio vulnificus VvpE Stimulates IL-1β Production by the Hypomethylation of the IL-1β Promoter and NF-κB Activation via Lipid Raft-Dependent ANXA2 Recruitment and Reactive Oxygen Species Signaling in Intestinal Epithelial Cells

Sei-Jung Lee, Young Hyun Jung, Eun Ju Song, Kyung Ku Jang, Sang Ho Choi, and Ho Jae Han

CD36 Is Essential for Regulation of the Host Innate Response to Staphylococcus aureus α-Toxin-Mediated Dermonecrosis

Moriah J. Castelman, Maria Febrasio, and Pamela R. Hall

Caspase-1 but Not Caspase-11 Is Required for NLRC4-Mediated Pyroptosis and Restriction of Infection by Flagellated Legionella Species in Mouse Macrophages and In Vivo

Daiane M. Cerqueira, Marcelo S. F. Pereira, Alexandre L. N. Silva, Larissa D. Cunha, and Dario S. Zamboni

Small Ubiquitin-like Modifier Alters IFN Response

Ghizlane Maarifi, Mohamed Ali Marouf, Jacques Dutrieux, Laurent Dianoux, Sébastien Nisole, and Mourina K. Chelbi-Alix

Phosphocholine-Modified Macromolecules and Canonical Nicotinic Agonists Inhibit ATP-Induced IL-1β Release


Langerhans Cells Suppress CD49a+ NK Cell-Mediated Skin Inflammation

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Selective Targeting of a Disease-Related Conformational Isoform of Macrophage Migration Inhibitory Factor Ameliorates Inflammatory Conditions

IL-15 Superagonist–Mediated Immunotoxicity: Role of NK Cells and IFN-γ
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The Inflammatory Caspases-1 and -11 Mediate the Pathogenesis of Dermatitis in Sharpin-Deficient Mice
Todd Douglas, Claudia Champagne, Alexandre Morizor, Jean-Martin Lapointe, and Maya Saleh

B Cell–Intrinsic IDO1 Regulates Humoral Immunity to T Cell–Independent Antigens
Rahul Shinde, Michiko Shimoda, Kapil Chaudhary, Haiyun Liu, Eslam Mohamed, Jillian Bradley, Sridhar Kandala, Xia Li, Kebin Liu, and Tracy L. McGaha

The Src-Family Kinases Hck and Fgr Regulate Early Lipopolysaccharide-Induced Myeloid Cell Recruitment into the Lung and Their Ability To Secrete Chemokines
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A Detailed Characterization of the Dysfunctional Immunity and Abnormal Myelopoiesis Induced by Severe Shock and Trauma in the Aged

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