197 (11)

This information is current as of November 7, 2021.

Why The JI? Submit online.

- Rapid Reviews! 30 days* from submission to initial decision
- No Triage! Every submission reviewed by practicing scientists
- Fast Publication! 4 weeks from acceptance to publication

Subscription  Information about subscribing to The Journal of Immunology is online at:
http://jimmunol.org/subscription

Permissions  Submit copyright permission requests at:
http://www.aai.org/About/Publications/JI/copyright.html

Email Alerts  Receive free email-alerts when new articles cite this article. Sign up at:
http://jimmunol.org/alerts
IN THIS ISSUE

4181 Connecting KIF3A to Asthma See article p. 4228
Long Live the Liver Eomes 
Hi NK Cells See article p. 4283
Why Youthful T Cells Choose Suppression See article p. 4344
West Nile Virus Thinks TLR8 Is Great See article p. 4425
Baby Pictures: Mapping the Fetal and Maternal Immune Systems at Birth See article p. 4482

LETTERS TO THE EDITOR

4183 Comment on “DNA Sensing via TLR-9 Constitutes a Major Innate Immunity Pathway Activated during Erythema Nodosum Leprosum”
Colin L. Crawford

4184 Response to Comment on “DNA Sensing via TLR-9 Constitutes a Major Innate Immunity Pathway Activated during Erythema Nodosum Leprosum”
Geraldo M. B. Pereira, Maria Cristina V. Pesolani, and Euzenir N. Sarno

TRANSLATING IMMUNOLOGY

4187 From IgE to Omalizumab
Toshiaki Kawakami and Ulrich Blank

PILLARS OF IMMUNOLOGY

4193 The Old One–Two: Solving the Mystery of Cognate Help
Michael P. Cancro

Randolph J. Noelle, Meenakshi Roy, David M. Shepherd, Ivan Stamenkovic, Jeffrey A. Ledbetter, and Alejandro Aruffo

BRIEF REVIEWS

4201 Immunological Outcomes of Antibody Binding to Glycans Shared between Microorganisms and Mammals
Preeyam Patel and John F. Kearney

4210 Immune-Mediated Protection and Pathogenesis of Chikungunya Virus
Julie M. Fox and Michael S. Diamond

ALLERGY AND OTHER HYPERSENSITIVITIES

4219 IL-27 Is Essential for Suppression of Experimental Allergic Asthma by the TLR7/8 Agonist R848 (Resiquimod)
Adan Chari Jirmo, Kathleen Daluege, Christine Happel, Melanie Albrecht, Anna-Maria Dittrich, Mandy Buse, Anika Habener, Jelena Skuljec, and Gesine Hansen

4228 Airway Epithelial KIF3A Regulates Th2 Responses to Aeroallergens
Premkumar Vummidi Giridhar, Sheila M. Bell, Anusha Sridharan, Priya Rajavelu, Joseph A. Kitzmiller, Cheng-Lun Na, Matthew Kofron, Eric B. Brandt, Mark Ericksen, Anjaparavanda P. Naren, Changguk Moon, Gurjit K. Khurana Hershey, and Jeffrey A. Whitsett

4240 Mast Cells Limit the Exacerbation of Chronic Allergic Contact Dermatitis in Response to Repeated Allergen Exposure
Vladimir-Andrey Gimenez-Rivera, Frank Siebenhaar, Carolin Zimmermann, Hanna Siiskonen, Martin Metz, and Marcus Maurer

ANTIGEN RECOGNITION AND RESPONSES

4247 Glucocorticoid-Induced Leucine Zipper Protein Controls Macropinocytosis in Dendritic Cells
Joseph Calmette, Matthieu Bertrand, Matthias Vétillard, Mehdi Ellouze, Shaun Flint, Valérie Nicolas, Armelle Biola-Vidamment, Marc Pallardy, Eric Morand, Françoise Bachelerie, Véronique Godot, and Géraldine Schlecht-Louf

AUTOIMMUNITY

4257 CD40-Mediated NF-κB Activation in B Cells Is Increased in Multiple Sclerosis and Modulated by Therapeutics
Ding Chen, Sara J. Ireland, Gina Remington, Enrique Alvarez, Michael K. Rakee, Benjamin Greenberg, Elliot M. Frohman, and Nancy L. Monson

4266 Suppression of IRAK1 or IRAK4 Catalytic Activity, but Not Type 1 IFN Signaling, Prevents Lupus Nephritis in Mice Expressing a Ubiquitin Binding–Defective Mutant of ABIN1
Sambit K. Nanda, Marta Lopez-Pelaez, J. Simon C. Arthur, Francesco Marchesi, and Philip Cohen

4274 CD8αα⁺MHC Class II⁺ Cell with the Capacity To Terminate Autoimmune Inflammation Is a Novel Antigen-Presenting NK-like Cell in Rats
Jean Wu, Colin Carlock, April Ross, Junbo Shim, and Yahuan Lou

CLINICAL AND HUMAN IMMUNOLOGY

4283 Eomes⁺⁺ NK Cells in Human Liver Are Long-Lived and Do Not Recirculate but Can Be Replenished from the Circulation
Antonia O. Cuff, Francis P. Robertson, Kerstin Stegmann, Laura J. Pallett, Mala K. Maini, Brian R. Davidson, and Victoria Male

4292 Activating KIR2DS4 Is Expressed by Uterine NK Cells and Contributes to Successful Pregnancy
Philippa R. Kennedy, Olympe Chazara, Lucy Gardner, Martin A. Ivarson, Lydia E. Farrell, Shiqiu Xiong, Susan E. Hiby, Francesco Colucci, Andrew M. Sharkey, and Ashley Moffett
IMMUNE REGULATION

4301 Polymicrobial Sepsis Diminishes Dendritic Cell Numbers and Function Directly Contributing to Impaired Primary CD8 T Cell Responses In Vivo
Robert K. Strother, Derek B. Danahy, Dmitri I. Kotov, Tamara A. Kucaba, Zeb R. Zacharias, Thomas S. Griffith, Kevin L. Legge, and Vladimir P. Badovinac

4312 GATA1-Deficient Dendritic Cells Display Impaired CCL21-Dependent Migration toward Lymph Nodes Due to Reduced Levels of Polysialic Acid
Maaike R. Scheenstra, Iris M. De Cuyper, Filipe Branco-Madeira, Pieter de Blezer, Mirjam Kool, Marijolein Meinders, Mark Hoogenboezem, Erik Mul, Monika C. Wolkers, Fiamma Salerno, Benjamin Nota, Yvan Saeys, Sjoerd Klarenbeek, Wilfred F. J. van Ijcken, Hamida Hammad, Sjaak Philipsen, Timo K. van den Berg, Taco W. Kuipers, Bart N. Lambrecht, and Laura Gutiérrez

4325 BPTF Is Essential for T Cell Homeostasis and Function
Bing Wu, Yunqi Wang, Chaojun Wang, Gang Greg Wang, Jie Wu, and Yisong Y. Wan

Acetylation Modulates IL-2 Receptor Signaling in T Cells
Taku Kuwabara, Hirotake Kawai, and Motonari Kondo

IMMUNE SYSTEM DEVELOPMENT

4344 Lin28b Regulates Fetal Regulatory T Cell Differentiation through Modulation of TGF-β Signaling
Yelena Bronevetsky, Trevor D. Burt, and Joseph M. McCune

IMMUNOTHERAPY AND VACCINES

4351 IL-18 and Subcapsular Lymph Node Macrophages are Essential for Enhanced B Cell Responses with TLR4 Agonist Adjuvants
Anthony L. Desbien, Natasha Dubois Cauwelaert, Steven J. Reed, Hilton R. Bailor, Hong Liang, Darrick Carter, Malcolm S. Duthie, Christopher B. Foo, Steven G. Reed, and Mark T. Orr

INFECTIOUS DISEASE AND HOST RESPONSE

4360 Acute Virus Control Mediated by Licensed NK Cells Sets Primary CD8+ T Cell Dependence on CD27 Costimulation

4371 BATF Modulates the Th2 Locus Control Region and Regulates CD4+ T Cell Fate during Antihelminth Immunity
Katherine Bao, Tiffany Carr, Jianxuan Wu, William Barclay, Jingxiao Jin, Maria Ciofani, and R. Lee Reinhardt

4382 A Role for Human Skin Mast Cells in Dengue Virus Infection and Systemic Spread
Andrea Troupin, Devon Shirley, Berlin Londono-Renteria, Alan M. Watson, Cody McHale, Alex Hall, Adam Hartstone-Roie, William B. Klimstra, Gregorio Gomez, and Tonya M. Colpitts

INNATE IMMUNITY AND INFLAMMATION

4392 Therapeutic Targeting of the G-CSF Receptor Reduces Neutrophil Trafficking and Joint Inflammation in Antibody-Mediated Inflammatory Arthritis
Ian K. Campbell, David Leong, Kirsten M. Edwards, Veronika Rayzman, Milica Ng, Gabrielle L. Goldberg, Nicholas J. Wilson, Karen Scala-Ingrum, Charley Mackenzie-Kludas, Kate E. Lawlor, Ian P. Wicks, Lorena E. Brown, Adriana Baz Morelli, Con Panoutsis, Michael J. Wilson, Andrew D. Nash, Brent S. McKenzie, and Arna E. Andrews

4403 T Cell–Independent Mechanisms Associated with Neutrophil Extracellular Trap Formation and Selective Autophagy in IL-17A–Mediated Epidermal Hyperplasia
Erika Suzuki, Emanual Mauricekis, Ritu Sarin, Laura Bouchareychas, Vijay K. Kuchroo, Frank O. Nestle, and Iannis E. Adamopoulos

4413 Age-Specific Adjuvant Synergy: Dual TLR7/8 and Mincle Activation of Human Newborn Dendritic Cells Enables Th1 Polarization
Simon D. van Haren, David J. Dowling, Willemina Foppen, Dennis Christensen, Peter Andersen, Steven G. Reed, Robert M. Hershberg, Lindsey R. Baden, and Ofer Levy
TLR8 Couples SOCS-1 and Restrains TLR7-Mediated Antiviral Immunity, Exacerbating West Nile Virus Infection in Mice
Amber M. Paul, Dhiraj Acharya, Linda Le, Penghua Wang, Dobrivoje S. Stokic, A. Arturo Leis, Lena Alexopoulou, Terrence Town, Richard A. Flavell, Erol Fikrig, and Fengwei Bai

EP4 Receptor–Associated Protein in Macrophages Protects against Bleomycin-Induced Pulmonary Inflammation in Mice
Sei Higuchi, Risako Fujikawa, Taichi Ikedo, Kosuke Hayashi, Mika Yasui, Manabu Nagata, Masato Nakatsuji, Masayuki Yokode, and Manabu Minami

Identification and Actions of the Maresin 1 Metabolome in Infectious Inflammation
Romain A. Calas, Jesmond Dalli, Nan Chiang, Iliyan Vlasakov, Julia M. Sanger, Ian R. Riley, and Charles N. Serhan

Tissue Microenvironments in the Nasal Epithelium of Rainbow Trout (Oncorhinchus mykiss) Define Two Distinct CD8α+ Cell Populations and Establish Regional Immunity
Ali Sepahi, Elisa Casadei, Luca Tacchi, Pilar Muñoz, Scott E. LaPatra, and Irene Salinas

NKT Cell–Deficient Mice Harbor an Altered Microbiota That Fuels Intestinal Inflammation during Chemically Induced Colitis
Thirumahal Selvanantham, Qiaochu Lin, Cynthia Xinyi Guo, Anuradha Surendra, Stephanie Fieve, Nichole K. Escalante, David S. Guttman, Catherine J. Streutker, Susan J. Robertson, Dana J. Philpott, and Thierry Mallevaey

Expansion of Th17 Cells by Human Mast Cells Is Driven by Inflammasome-Independent IL-1β
Jolien Suurmond, Kim L. L. Habets, Annemarie L. Dorjee, Tom W. Huizinga, and René E. M. Toes

Mapping the Fetomaternal Peripheral Immune System at Term Pregnancy

Lung Cancer Subtypes Generate Unique Immune Responses
Stephanie E. Busch, Mark L. Hanke, Julia Kargl, Heather E. Metz, David MacPherson, and A. McGarry Houghton

Correction: Transcription Factors Directing Th2 Differentiation: Gata-3 Plays a Dominant Role
Anne O’Garra and Leona Gabrysová

AUTHOR INDEX