



CyTOF[®] XT. The neXT
evolution in cytometry.

See what's neXT >



207 (8)

J Immunol 2021; 207:1939-2191; ;
<http://www.jimmunol.org/content/207/8>

This information is current as
of October 27, 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

*average

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>

The Journal of Immunology is published twice each month by
The American Association of Immunologists, Inc.,
1451 Rockville Pike, Suite 650, Rockville, MD 20852
All rights reserved.
Print ISSN: 0022-1767 Online ISSN: 1550-6606.



TOP READS

- 1939 **Term Labor Uterine Inflammation** *See article p. 2015*
Antifungal iNOS *See article p. 2096*
Microglial Inflammasome Activation *See article p. 2143*
Mitochondrial cGAS Inhibitor *See article p. 2155*

IMMUNOLOGY NOTES AND RESOURCES

- 1941 Black in Immuno Week: Who We Are, What We Did, and Why It Matters
Elaine Kouame, Justine C. Noel, Madina Wane, Joël Babdor, Heather L. Caslin, Amy Fan, Berenice Mbiribindi, Susanne Sattler, and Alexis S. Mobley

BRIEF REVIEWS

- 1949 Searching for the Elusive Regulatory Innate Lymphoid Cell
Sinthuja Jegatheeswaran, Jessica A. Mathews, and Sarah Q. Crome

CUTTING EDGE

- 1959 Cutting Edge: Intestinal IL-17A Receptor Signaling Specifically Regulates High-Fat Diet–Mediated, Microbiota-Driven Metabolic Disorders
Stephen J. Gaudino, Huakang Huang, Makheni Jean-Pierre, Preet Joshi, Michael Beaupre, Cody Kempen, Hoi Tong Wong, and Pawan Kumar

ANTIGEN RECOGNITION AND RESPONSES

- 1965 CD4 T Cell Responses to *Theileria parva* in Immune Cattle Recognize a Diverse Set of Parasite Antigens Presented on the Surface of Infected Lymphoblasts
W. Ivan Morrison, Adriana Aguado, Tara A. Sheldrake, Nicholas C. Palmateer, Olukemi O. Ifeonu, Kyle Tretina, Keith Parsons, Emilio Fenoy, Timothy Connelley, Morten Nielsen, and Joana C. Silva

On the cover: CD11b-positive primary mouse microglia (red) were treated with α -synuclein aggregates (green) for 15 min, and their clearance was assessed using immunocytochemistry. DAPI (blue) was used as nuclear counterstain. Scheiblich, H., L. Bousset, S. Schwartz, A. Griep, E. Latz, R. Melki, and M. T. Heneka. 2021. Microglial NLRP3 inflammasome activation upon TLR2 and TLR5 ligation by distinct α -synuclein assemblies. *J. Immunol.* 207: 2143–2154.

The Journal of Immunology (ISSN 0022-1767) is published twice each month by The American Association of Immunologists, Inc., 1451 Rockville Pike, Suite 650, Rockville, MD 20852, Phone: 301-634-7197, Fax: 301-246-8401. Subscription terms: New subscriptions and renewals begin January 1 and expire one year later (see <http://www.jimmunol.org/subscription> for prices and details). A special rate is available to members of The American Association of Immunologists, Inc. (see <http://www.aai.org/membership>). The American Association of Immunologists, Inc., is not responsible for undeliverable issues. Replacement issues can be obtained, if available, at the regular price of single issues (see <http://www.jimmunol.org/Subscription/Claims>). Reprints of individual articles are available only from authors. Periodicals postage paid at Rockville, MD 20852, and at additional mailing offices. Country of origin U.S.A. Printed on acid-free recyclable paper. Postmaster: Send address changes 60 days in advance to *The Journal of Immunology*, Subscription Department, 1451 Rockville Pike, Suite 650, Rockville, MD 20852.

Copyright © 2021 by The American Association of Immunologists, Inc.

- 1978 The PD-1 Regulatory Axis Inhibits T Cell–Independent B Cell Memory Generation and Reactivation
M. Ariel Spurrier, Jamie E. Jennings-Gee, Christina A. Daly, and Karen M. Haas

AUTOIMMUNITY

- 1990 Self-Renewing Islet TCF1⁺ CD8 T Cells Undergo IL-27–Controlled Differentiation to Become TCF1[−] Terminal Effectors during the Progression of Type 1 Diabetes
Ashley E. Ciecko, David M. Schauder, Bardees Foda, Galina Petrova, Moujtaba Y. Kasmani, Robert Burns, Chien-Wei Lin, William R. Drobyski, Weiguo Cui, and Yi-Guang Chen

CLINICAL AND HUMAN IMMUNOLOGY

- 2005 Elevated N-Linked Glycosylation of IgG V Regions in Myasthenia Gravis Disease Subtypes
Caleigh Mandel-Brehm, Miriam L. Fichtner, Ruoyi Jiang, Valerie J. Winton, Sara E. Vazquez, Minh C. Pham, Kenneth B. Hoehn, Neil L. Kelleher, Richard J. Nowak, Steven H. Kleinstein, Michael R. Wilson, Joseph L. DeRisi, and Kevin C. O'Connor
- 2015 Decidual Inflammation Drives Chemokine-Mediated Immune Infiltration Contributing to Term Labor
Oksana Shynlova, Adam Boros-Rausch, Tali Farine, Kristina M. Adams Waldorf, Caroline Dunk, and Stephen J. Lye

IMMUNE REGULATION

- 2027 ROR γ t Promotes Foxp3 Expression by Antagonizing the Effector Program in Colonic Regulatory T Cells
Suniti Bhaumik, Michel Edwar Mickael, Monica Moran, Marion Spell, and Rajatava Basu

IMMUNE SYSTEM DEVELOPMENT

- 2039 The Development and Survival of Thymic Epithelial Cells Require TSC1-Dependent Negative Regulation of mTORC1 Activity
Zhanfeng Liang, Qian Zhang, Zhaoqi Zhang, Lina Sun, Xue Dong, Tianxiu Li, Liang Tan, Xubiao Xie, Liguang Sun, and Yong Zhao

IMMUNOTHERAPY AND VACCINES

- 2051 Enhancing Antigen Presentation and Inducing Antigen-Specific Immune Tolerance with Amphiphilic Peptides
Meng Li, Arata Itoh, Jingchao Xi, Chunsong Yu, Yuehong Wu, William M. Ridgway, and Haipeng Liu
- 2060 Anti-CD40 Antibodies Fused to CD40 Ligand Have Superagonist Properties
Valentina Ceglia, Sandra Zurawski, Monica Montes, Aurélie Bouteau, Zhiqing Wang, Jerome Ellis, Botond Z. Igyártó, Yves Lévy, and Gerard Zurawski

INFECTIOUS DISEASE AND HOST RESPONSE

- 2077 Evolution of Cytomegalovirus-Responsive T Cell Clonality following Solid Organ Transplantation
Lauren E. Higdon, Steven Schaffert, Huang Huang, Maria E. Montez-Rath, Marc Lucia, Alok Kumar Jha, Naresha Saligrama, Kenneth B. Margulies, Olivia M. Martinez, Mark M. Davis, Purvesh Khatri, and Jonathan S. Maltzman
- 2086 Functional Consequences of Memory Inflation after Solid Organ Transplantation
Lauren E. Higdon, Steven Schaffert, Rachel H. Cohen, Maria E. Montez-Rath, Marc Lucia, Naresha Saligrama, Kenneth B. Margulies, Olivia M. Martinez, Jane C. Tan, Mark M. Davis, Purvesh Khatri, and Jonathan S. Maltzman
- 2096 Murine Inducible Nitric Oxide Synthase Expression Is Essential for Antifungal Defenses in Kidneys during Disseminated *Cryptococcus deneoformans* Infection
Kristie D. Goughenour, Jessica Zhao, Jintao Xu, Ziyin P. Zhao, Anutosb Ganguly, Christine M. Freeman, and Michal A. Olszewski
- 2107 Macrophage-Derived Osteopontin Influences the Amplification of *Cryptococcus neoformans*–Promoting Type 2 Immune Response
Adithap Hansakon, Chin Wen Png, Yongliang Zhang, and Pornpimon Angkasekinai

INNATE IMMUNITY AND INFLAMMATION

- 2118 Macrophagic Extracellular Vesicle CXCL2 Recruits and Activates the Neutrophil CXCR2/PKC/NOX4 Axis in Sepsis
Guozhen Wang, Weichang Huang, Shuangbu Wang, Jun Wang, Wanfu Cui, Wenyong Zhang, Anni Lou, Shiyu Geng, and Xu Li
- 2129 IL-6 Signaling Protects Zebrafish Larvae during *Staphylococcus epidermidis* Infection in a Bath Immersion Model
P. Thamarasseri Dhanagovind, Prabeer K. Kujur, Rajeeb K. Swain, and Sanjita Banerjee
- 2143 Microglial NLRP3 Inflammasome Activation upon TLR2 and TLR5 Ligation by Distinct α -Synuclein Assemblies
Hannah Scheiblich, Luc Bousset, Stephanie Schwartz, Angelika Griep, Eicke Latz, Ronald Melki, and Michael T. Heneka
- 2155 Leaked Mitochondrial C1QBP Inhibits Activation of the DNA Sensor cGAS
Kun Song, Yakun Wu, Bishi Fu, Lingyan Wang, Wenzhuo Hao, Fang Hua, Yiwen Sun, Martin E. Dorf, and Shitao Li

MOLECULAR AND STRUCTURAL IMMUNOLOGY

- 2167 Peptide Presentations of Marsupial MHC Class I Visualize Immune Features of Lower Mammals Paralleled with Bats
Pengyan Wang, Can Yue, Kefang Liu, Dan Lu, Sai Liu, Sijia Yao, Xin Li, Xiaoling Su, Keyi Ren, Yan Chai, Jianxun Qi, Yingze Zhao, Yongliang Lou, Zeyu Sun, George F. Gao, and William J. Liu

MUCOSAL IMMUNOLOGY

- 2179 *Lactobacillus rhamnosus* GG Promotes Early B Lineage Development and IgA Production in the Lamina Propria in Piglets
Yu-Bei Jin, Xin Cao, Chun-Wei Shi, Bo Feng, Hai-Bin Huang, Yan-Long Jiang, Jian-Zhong Wang, Gui-Lian Yang, Wen-Tao Yang, and Chun-Feng Wang

- 2192 AUTHOR INDEX