



Vaccine Adjuvants

Take your vaccine to the next level

InVivoGen



205 (9)

J Immunol 2020; 205:2325-2553; ;
<http://www.jimmunol.org/content/205/9>

This information is current as
of December 1, 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

- 2325 **Mechanisms Driving Immune Responses to Biologics** *See article p. 2351*
Generation of Regulatory B Cells Expressing Granzyme B *See article p. 2391*
B Cell and Ab Responses in COVID-19 Patients *See article p. 2437*
IgG Breaks Tolerance of Human Microglia *See article p. 2511*
A Mouse Model of Constitutively Active Integrin *See article p. 2545*

BRIEF REVIEWS

- 2327 Focused Ultrasound for Immunomodulation of the Tumor Microenvironment
Jordan B. Joiner, Yuliya Pylayeva-Gupta, and Paul A. Dayton
- 2342 Antibody Responses to SARS-CoV-2: Let's Stick to Known Knowns
Nicole Baumgarth, Janko Nikolich-Zugich, F. Eun-Hyung Lee, and Deepta Bhattacharya

ANTIGEN RECOGNITION AND RESPONSES

- 2351 The FcγRIIIa–Syk Axis Controls Human Dendritic Cell Activation and T Cell Response Induced by Infliximab Aggregates
Myriam Nabhan, François-Xavier Legrand, Victor Le-Minh, Baptiste Robin, Rami Bechara, Nicolas Huang, Claire Smadja, Marc Pallardy, and Isabelle Turbica, on behalf of the ABIRISK Consortium
- 2362 B Cell Subsets Differentially Contribute to the T Cell–Independent Memory Pool
Christina A. Daly, M. Ariel Spurrier, Jamie E. Jennings-Gee, and Karen M. Haas

CLINICAL AND HUMAN IMMUNOLOGY

- 2375 Characterization of Clozapine-Responsive Human T Cells
Monday O. Ogese, Adam Lister, Rosalind E. Jenkins, Xiaoli Meng, Ana Alfirevic, Lisa Douglas, Rachel McLoughlin, Edward Silva, B. Kevin Park, Munir Pirmohamed, and Dean J. Naisbitt

On the cover: Atherosclerotic lesion in the brachiocephalic trunk of a CD11b knock-in mouse, which has an activating mutation in CD11b. Smooth muscle cells appear in green (SMA⁺), macrophages in yellow (Mac2⁺), and cell nuclei in blue. Knock-in mice have smaller plaque size and a lower number of plaque macrophages than wild-type controls. Martinez, L., X. Li, G. Ramos-Echazabal, H. Faridi, Z. M. Zigmond, N. Santos Falcon, D. R. Hernandez, S. A. Shehadeh, O. C. Velazquez, V. Gupta, and R. I. Vazquez-Padron. 2020. A genetic model of constitutively active integrin CD11b/CD18. *J. Immunol.* 205: 2545–2553.

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 © 2020 by The American Association of Immunologists, Inc.

IMMUNE REGULATION

- 2391 Efficient Expansion of Human Granzyme B-Expressing B Cells with Potent Regulatory Properties
Mélanie Chesneau, Hoa Le Mai, Richard Danger, Sabine Le Bot, Thi-Van-Ha Nguyen, Josselin Bernard, Cyrielle Poullaouec, Pierrick Guerrif, Sophie Conchon, Magali Giral, Béatrice Charreau, Nicolas Degauque, and Sophie Brouard
- 2402 IgT-Mediated Signaling Inhibits the Antimicrobial Immune Response in Oyster Hemocytes
Jiejie Sun, Lingling Wang, Wenwen Yang, Liyan Wang, Qiang Fu, and Linsheng Song
- 2414 TL1A Promotes Lung Tissue Fibrosis and Airway Remodeling
Rana Herro, Haruka Miki, Gurupreet S. Sethi, David Mills, Amit Kumar Mehta, Xinh-Xinh Nguyen, Carol Feghali-Bostwick, Marina Miller, David H. Broide, Rachel Soloff, and Michael Croft

IMMUNE SYSTEM DEVELOPMENT

- 2423 Pleiotropic Roles of VEGF in the Microenvironment of the Developing Thymus
Stephanie C. de Barros, Batul T. Suterwala, Chongbin He, Shundi Ge, Brent Chick, Garrett K. Blumberg, Kenneth Kim, Sam Klein, Yuhua Zhu, Xiaoyan Wang, David Casero, and Gay M. Crooks

INFECTIOUS DISEASE AND HOST RESPONSE

- 2437 Expansion of SARS-CoV-2-Specific Antibody-Secreting Cells and Generation of Neutralizing Antibodies in Hospitalized COVID-19 Patients
Renata Varnaitè, Marina García, Hedvig Glans, Kimia T. Maleki, John Tyler Sandberg, Janne Tynell, Wanda Christ, Nina Lagerqvist, Hilmir Asgeirsson, Hans-Gustaf Ljunggren, Gustaf Ahlén, Lars Frelin, Matti Sällberg, Kim Blom, Jonas Klingström, and Sara Gredmark-Russ
- 2447 HIV Infection Is Associated with Loss of Anti-Inflammatory Alveolar Macrophages
Charles Preston Neff, Shaikh M. Atif, Eric C. Logue, Janet Siebert, Carsten Görg, James Lavelle, Suzanne Fiorillo, Homer Twigg, Thomas B. Campbell, Andrew P. Fontenot, and Brent E. Palmer
- 2456 TRIM21 Is Targeted for Chaperone-Mediated Autophagy during *Salmonella* Typhimurium Infection
Nina Judith Hos, Julia Fischer, Deniz Hos, Zabra Hejazi, Chiara Calabrese, Raja Ganesan, Ambika M. V. Murthy, Jan Rybníker, Sharad Kumar, Martin Krönke, and Nirmal Robinson

INNATE IMMUNITY AND INFLAMMATION

- 2468 A Critical Role for the CXCL3/CXCL5/CXCR2 Neutrophilic Chemotactic Axis in the Regulation of Type 2 Responses in a Model of Rhinoviral-Induced Asthma Exacerbation
Leon A. Sokulsky, Keilah Garcia-Netto, Thi Hiep Nguyen, Jason L. N. Girkin, Adam Collison, Joerg Mattes, Gerard Kaiko, Chi Liu, Nathan W. Bartlett, Ming Yang, and Paul S. Foster
- 2479 Identification of a Distal Locus Enhancer Element That Controls Cell Type-Specific *TNF* and *LTA* Gene Expression in Human T Cells
Luke D. Jasenosky, Aya Nambu, Alla V. Tsytzykova, Shahin Ranjbar, Viraga Haridas, Laurens Kruidenier, David F. Tough, and Anne E. Goldfeld
- 2489 Hecidin Is Essential for Alveolar Macrophage Function and Is Disrupted by Smoke in a Murine Chronic Obstructive Pulmonary Disease Model
Elizabeth Perez, Jonathan R. Baker, Silvana Di Giandomenico, Pouneh Kermani, Jacqueline Parker, Kihwan Kim, Jianjun Yang, Peter J. Barnes, Sophie Vaultont, Joseph M. Scandura, Louise E. Donnelly, Heather Stout-Delgado, and Suzanne M. Cloonan
- 2499 Lipopolysaccharide Induces GFAT2 Expression to Promote O-Linked β -N-Acetylglucosamylation and Attenuate Inflammation in Macrophages
Hasanain Al-Mukh, Léa Baudoin, Abdelouhab Bouaboud, José-Luis Sanchez-Salgado, Nabih Maraqa, Mostafa Khair, Patrick Pagesy, Georges Bismuth, Florence Niedergang, and Tarik Issad
- 2511 IgG Immune Complexes Break Immune Tolerance of Human Microglia
Marlijn van der Poel, Willianne Hoepel, Jörg Hamann, Inge Huitinga, and Jeroen den Dunnen

TUMOR IMMUNOLOGY

- 2519 Foxp3⁺ Regulatory T Cell Depletion after Nonablative Oligofractionated Irradiation Boosts the Abscopal Effects in Murine Malignant Mesothelioma

Mikihiko Kohno, Junichi Murakami, Licun Wu, Mei-Lin Chan, Zhibong Yun, B. C. John Cho, and Marc de Perrot

NOVEL IMMUNOLOGICAL METHODS

- 2532 Engineered Pigs Carrying a Gain-of-Function NLRP3 Homozygous Mutation Can Survive to Adulthood and Accurately Recapitulate Human Systemic Spontaneous Inflammatory Responses

Wenjing Li, Lei Shi, Zhenpeng Zhuang, Han Wu, Meng Lian, Yihui Chen, Lei Li, Weikai Ge, Qin Jin, Qianjun Zhang, Yu Zhao, Zhaoming Liu, Zhen Ouyang, Yinghua Ye, Yingying Li, Hai Wang, Yuan Liao, Longquan Quan, Lei Xiao, Liangxue Lai, Guangxun Meng, and Kepin Wang

- 2545 A Genetic Model of Constitutively Active Integrin CD11b/CD18

Laisel Martinez, Xiaobo Li, Gioser Ramos-Echazabal, Hafeez Faridi, Zachary M. Zigmond, Nieves Santos Falcon, Diana R. Hernandez, Serene A. Shehadeh, Omaid C. Velazquez, Vineet Gupta, and Roberto I. Vazquez-Padron

- 2554 AUTHOR INDEX