

PEOPLE & IDEAS

- e20201467 **Lessons of COVID-19: Virtual conferences**
Stephanie Houston

INSIGHTS

- e20201105 **Cbls boost B cells**
Michelle A. Linterman
- e20200831 **RSSs set the odds for exclusion**
Michael S. Krangel

- e20200819 **Pancreatic cancer *SLUG*ged**
Rachel H. Josselsohn and David A. Tuveson

VIEWPOINTS

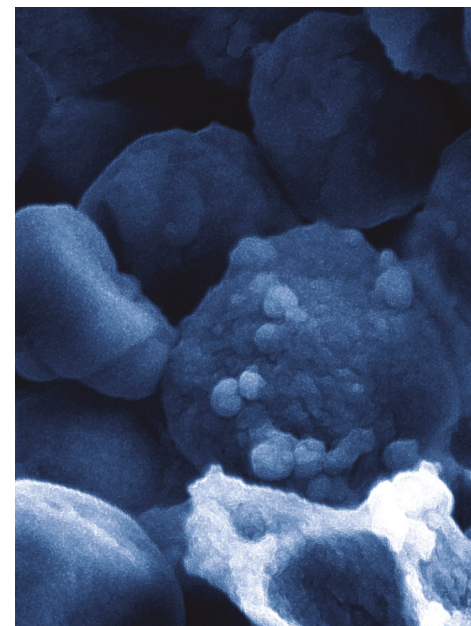
- e20201276 **Lessons of COVID-19: A roadmap for post-pandemic science**
Tanya S. Freedman, Mark B. Headley, Nina Serwas, Megan Ruhland, Carlos A. Castellanos, Alexis J. Combes, and Matthew F. Krummel
- e20201439 **Neutrophils and COVID-19: Nots, NETs, and knots**
Carl Nathan
- e20201342 **Blocking inflammation on the way: Rationale for CXCR2 antagonists for the treatment of COVID-19**
Lars M. Koenig, Daniel F.R. Boehmer, Philipp Metzger, Max Schnurr, Stefan Endres, and Simon Rothenfusser

BRIEF DEFINITIVE REPORTS

- e20190865 **Distinct functions of tissue-resident and circulating memory Th2 cells in allergic airway disease**
Rod A. Rahimi, Keshav Nepal, Murat Cetinbas, Ruslan I. Sadreyev, and Andrew D. Luster
- e20200050 **Longevity and replenishment of human liver-resident memory T cells and mononuclear phagocytes**
Laura J. Pallett, Alice R. Burton, Oliver E. Amin, Sergio Rodriguez-Tajes, Amit A. Patel, Nekisa Zakeri, Anna Jeffery-Smith, Leo Swadling, Nathalie M. Schmidt, Anna Baiges, Amir Gander, Dominic Yu, David Nasralla, Farid Froghi, Satheesh Iype, Brian R. Davidson, Douglas Thorburn, Simon Yona, Xavier Fornis, and Mala K. Maini

ARTICLES

- e20191537 **Cbl and Cbl-b control the germinal center reaction by facilitating naive B cell antigen processing**
Xin Li, Liying Gong, Alexandre P. Meli, Danielle Karo-Atar, Weili Sun, Yongrui Zou, Irah L. King, and Hua Gu
- e20200412 **Poor quality V β recombination signal sequences stochastically enforce TCR β allelic exclusion**
Glendon S. Wu, Katherine S. Yang-Iott, Morgann A. Klink, Katharina E. Hayer, Kyutae D. Lee, and Craig H. Bassing

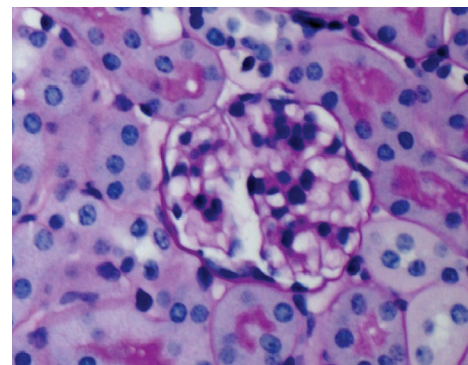


ON THE COVER

Potts et al. show that platelet biogenesis occurs by membrane budding. The cover shows membrane buds associated with polyploid megakaryocytes observed using scanning electron microscopy. Image provided by the authors.

Image © Potts et al., 2020.
<https://doi.org/10.1084/jem.20191206>

- e20200388 **Glutamine depletion regulates Slug to promote EMT and metastasis in pancreatic cancer**
Maria Victoria Recouvreur, Matthew R. Moldenhauer, Koen M.O. Galenkamp, Michael Jung, Brian James, Yijuan Zhang, Andrew Lowy, Anindya Bagchi, and Cosimo Commisso
- e20192389 **SOAT1 promotes mevalonate pathway dependency in pancreatic cancer**
Tobiloba E. Oni, Giulia Biffi, Lindsey A. Baker, Yuan Hao, Claudia Tonelli, Tim D.D. Somerville, Astrid Deschênes, Pascal Belleau, Chang-il Hwang, Francisco J. Sánchez-Rivera, Hilary Cox, Erin Brosnan, Abhishek Doshi, Rebecca P. Lumia, Kimia Khaledi, Youngkyu Park, Lloyd C. Trotman, Scott W. Lowe, Alexander Krasnitz, Christopher R. Vakoc, and David A. Tuveson
- e20191712 **Autologous tumor cell vaccine induces antitumor T cell immune responses in patients with mantle cell lymphoma: A phase I/II trial**
Matthew J. Frank, Michael S. Khodadoust, Debra K. Czerwinski, Ole A.W. Haabeth, Michael P. Chu, David B. Miklos, Ranjana H. Advani, Ash A. Alizadeh, Neel K. Gupta, Lauren S. Maeda, Sunil A. Reddy, Ginna G. Laport, Everett H. Meyer, Robert S. Negrin, Andrew R. Rezvani, Wen-Kai Weng, Kevin Sheehan, Malek Faham, Ami Okada, A. Holliston Moore, Destiny L. Phillips, Irene L. Wapnir, Joshua D. Brody, and Ronald Levy
- e20190711 **BACH2 drives quiescence and maintenance of resting Treg cells to promote homeostasis and cancer immunosuppression**
Francis M. Grant, Jie Yang, Rabab Nasrallah, James Clarke, Firas Sadiyah, Sarah K. Whiteside, Charlotte J. Imianowski, Paula Kuo, Panagiota Vardaka, Tihomir Todorov, Nordin Zandhuis, Ilinca Patrascan, David F. Tough, Kohei Kometani, Robert Eil, Tomohiro Kurosaki, Klaus Okkenhaug, and Rahul Roychoudhuri
- e20192080 **Layilin augments integrin activation to promote antitumor immunity**
Kelly M. Mahuron, Joshua M. Moreau, Jeff E. Glasgow, Devi P. Boda, Mariela L. Pauli, Victoire Gouirand, Luv Panjabi, Robby Grewal, Jacob M. Luber, Anubhav N. Mathur, Renny M. Feldman, Eric Shifrut, Pooja Mehta, Margaret M. Lowe, Michael D. Alvarado, Alexander Marson, Meromit Singer, Jim Wells, Ray Jupp, Adil I. Daud, and Michael D. Rosenblum
- e20192360 **Blueprint of human thymopoiesis reveals molecular mechanisms of stage-specific TCR enhancer activation**
Agata Cieslak, Guillaume Charbonnier, Melania Tesio, Eve-Lyne Mathieu, Mohamed Belhocine, Aurore Touzart, Charlotte Smith, Guillaume Hypolite, Guillaume P. Andrieu, Joost H.A. Martens, Eva Janssen-Megens, Marta Gut, Ivo Gut, Nicolas Boissel, Arnaud Petit, Denis Puthier, Elizabeth Macintyre, Hendrik G. Stunnenberg, Salvatore Spicuglia, and Vahid Asnafi
- e20200164 **IL-33 promotes anemia during chronic inflammation by inhibiting differentiation of erythroid progenitors**
James W. Swann, Lada A. Koneva, Daniel Regan-Komito, Stephen N. Sansom, Fiona Powrie, and Thibault Griseri
- e20191206 **Membrane budding is a major mechanism of in vivo platelet biogenesis**
Kathryn S. Potts, Alison Farley, Caleb A. Dawson, Joel Rimes, Christine Biben, Carolyn de Graaf, Margaret A. Potts, Olivia J. Stonehouse, Amandine Carmagnac, Pradnya Gangatirkar, Emma C. Josefsson, Casey Anttila, Daniela Amann-Zalcenstein, Shalin Naik, Warren S. Alexander, Douglas J. Hilton, Edwin D. Hawkins, and Samir Taoudi
- e20191699 **Loss of decay-accelerating factor triggers podocyte injury and glomerulosclerosis**
Andrea Angeletti, Chiara Cantarelli, Astgik Petrosyan, Sofia Andrighetto, Kelly Budge, Vivette D. D'Agati, Susan Hartzell, Deborah Malvi, Chiara Donadei, Joshua M. Thurman, Danica Galešić-Ljubanović, John Cijiang He, Wenzhen Xiao, Kirk N. Campbell, Jenny Wong, Clara Fischman, Joaquin Manrique, Gianluigi Zaza, Enrico Fiaccadori, Gaetano La Manna, Miguel Fribourg, Jeremy Leventhal, Stefano Da Sacco, Laura Perin, Peter S. Heeger, and Paolo Cravedi



Complement in glomerulosclerosis
Image © Angeletti et al., 2020.
<https://doi.org/10.1084/jem.20191699>

e20200785

Anti-human TREM2 induces microglia proliferation and reduces pathology in an Alzheimer's disease model

Shoutang Wang, Meer Mustafa, Carla M. Yuede, Santiago Viveros Salazar, Philip Kong, Hua Long, Michael Ward, Omer Siddiqui, Robert Paul, Susan Gilfillan, Adiljan Ibrahim, Hervé Rhinn, Ilaria Tassi, Arnon Rosenthal, Tina Schwabe, and Marco Colonna

e20191430

Neuronal interleukin-1 receptors mediate pain in chronic inflammatory diseases

Benoit Mailhot, Marine Christin, Nicolas Tessandier, Chaudy Sotoudeh, Floriane Bretheau, Roxanne Turmel, Ève Pellerin, Feng Wang, Cyril Bories, Charles Joly-Beauparlant, Yves De Koninck, Arnaud Droit, Francesca Cicchetti, Grégory Scherrer, Eric Boilard, Reza Sharif-Naeini, and Steve Lacroix

e20190541

Targeting leukocidin-mediated immune evasion protects mice from *Staphylococcus aureus* bacteremia

Kayan Tam, Keenan A. Lacey, Joseph C. Devlin, Maryaline Coffre, Alexis Sommerfield, Rita Chan, Aidan O'Malley, Sergei B. Koralov, P'ng Loke, and Victor J. Torres

e20191548

Relative contribution of nonstructural protein 1 in dengue pathogenesis

Pei Xuan Lee, Donald Heng Rong Ting, Clement Peng Hee Boey, Eunice Tze Xin Tan, Janice Zuo Hui Chia, Fakhriedzwan Idris, Yukei Oo, Li Ching Ong, Yen Leong Chua, Chanditha Hapuarachchi, Lee Ching Ng, and Sylvie Alonso

e20192152

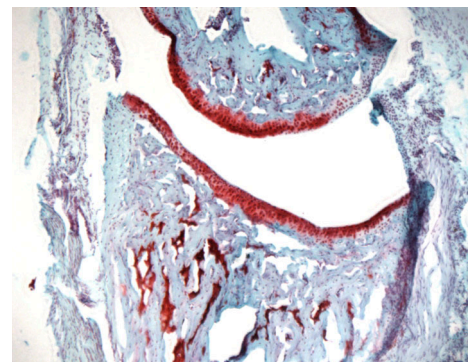
Japanese encephalitis virus-primed CD8⁺ T cells prevent antibody-dependent enhancement of Zika virus pathogenesis

Dong Chen, Zhiliang Duan, Wenhua Zhou, Weiwei Zou, Shengwei Jin, Dezhou Li, Xinyu Chen, Yongchao Zhou, Lan Yang, Yanjun Zhang, Sujun Shresta, and Jinsheng Wen

CORRECTION

Correction: Ablation of endothelial VEGFR1 improves metabolic dysfunction by inducing adipose tissue browning

Takahiro Seki, Kayoko Hosaka, Carina Fischer, Sharon Lim, Patrik Andersson, Mitsuhiko Abe, Hideki Iwamoto, Yanyan Gao, Xinsheng Wang, Guo-Hua Fong, and Yihai Cao



Neuronal IL-1R1 modulates pain
Image © Mailhot et al., 2020.
<https://doi.org/10.1084/jem.20191430>