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- e20212177 **Making memories with Bcl-6**
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- e20211971 **Blood-thirsty: S1PR5 and T_{RM}**
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- e20211972 **“P₂RY₈-son” break of tolerance promotes SLE**
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- e20212141 **Neutrophil DREAM come true: The not-so-impossible quest for mechanisms of neutrophil function and heterogeneity**
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- e20211147 **Advances toward structure-based drug discovery for inflammasome targets**
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PERSPECTIVES

INNATE IMMUNITY FOCUS

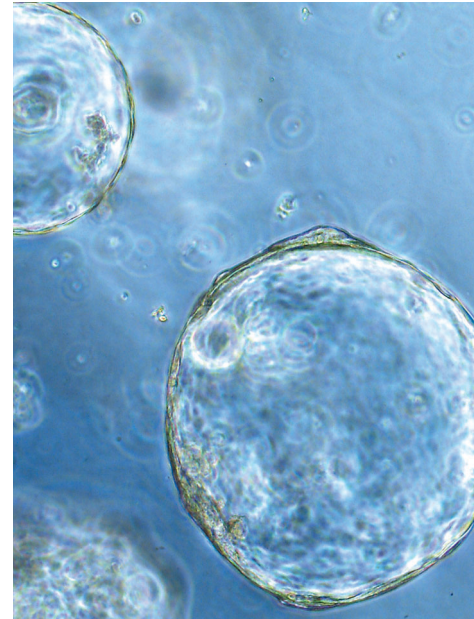
- e20211405 **Human NLRP1: From the shadows to center stage**
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- e20211463 **Inhibitory pattern recognition receptors**
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BRIEF DEFINITIVE REPORTS

- e20211140 **Intestinal epithelial tuft cell induction is negated by a murine helminth and its secreted products**
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- e20202343 **Dependence on Bcl6 and Blimp1 drive distinct differentiation of murine memory and follicular helper CD4⁺ T cells**
Thomas Ciucci, Melanie S. Vacchio, Ting Chen, Jia Nie, Laura B. Chopp, Dorian B. McGavern, Michael C. Kelly, and Rémy Bosselut
- e20202490 **Blood stem cell PU.1 upregulation is a consequence of differentiation without fast autoregulation**
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ARTICLES

- e20210116 **Sphingosine 1-phosphate receptor 5 (S1PR5) regulates the peripheral retention of tissue-resident lymphocytes**
Maximilien Evrard, Erica Wynne-Jones, Changwei Peng, Yu Kato, Susan N. Christo, Raissa Fonseca, Simone L. Park, Thomas N. Burn, Maleika Osman, Sapna Devi, Jerold Chun, Scott N. Mueller, George Kannourakis, Stuart P. Berzins, Daniel G. Pellicci, William R. Heath, Stephen C. Jameson, and Laura K. Mackay

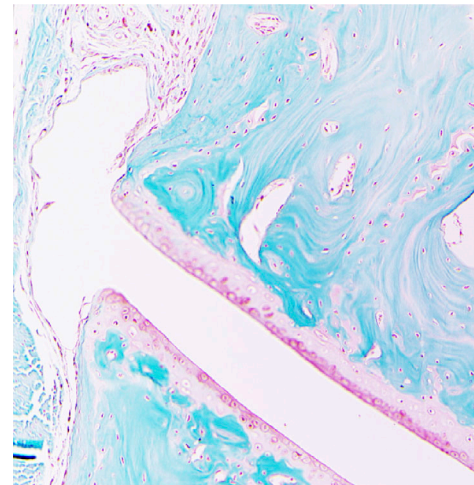


ON THE COVER

The cover shows intestinal organoids incubated with excretory/secretory products (HpES) from *Heligmosomoides polygyrus*.

Image © Drurey et al., 2021.
<https://doi.org/10.1084/jem.20211140>

- e20211004 **P2RY8 variants in lupus patients uncover a role for the receptor in immunological tolerance**
Yuke He, Antonia E. Gallman, Chengmei Xie, Qian Shen, Jianyang Ma, Finn D. Wolfreys, Moriah Sandy, Todor Arsov, Xiaoqian Wu, Yuting Qin, Pingjing Zhang, Simon Jiang, Maurice Stanley, Philip Wu, Jingjing Tan, Huihua Ding, Haiyan Xue, Wei Chen, Jinping Xu, Lindsey A. Criswell, Joanne Nititham, Marcin Adamski, A. Richard Kitching, Matthew C. Cook, Lanfang Cao, Nan Shen, Jason G. Cyster, and Carola G. Vinuesa
- e20211083 **Neutrophil DREAM promotes neutrophil recruitment in vascular inflammation**
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- e20201039 **Inhibition of ADAM17 impairs endothelial cell necroptosis and blocks metastasis**
Julia Bolik, Freia Krause, Marija Stevanovic, Monja Gandraß, Ilka Thomsen, Sarah-Sophie Schacht, Eva Rieser, Miryam Müller, Neele Schumacher, Jürgen Fritsch, Rielana Wichert, Eithan Galun, Juri Bergmann, Christian Röder, Clemens Schafmayer, Jan-Hendrik Egberts, Christoph Becker-Pauly, Paul Saftig, Ralph Lucius, Wulf Schneider-Brachert, Roja Barikbin, Dieter Adam, Matthias Voss, Wolfgang Hitzl, Achim Krüger, Boris Strilic, Irit Sagi, Henning Walczak, Stefan Rose-John, and Dirk Schmidt-Arras
- e20210836 **An NR2F1-specific agonist suppresses metastasis by inducing cancer cell dormancy**
Bassem D. Khalil, Roberto Sanchez, Tasrina Rahman, Carolina Rodriguez-Tirado, Stefan Moritsch, Alba Rodriguez Martinez, Brett Miles, Eduardo Farias, Mihaly Mezei, Ana Rita Nobre, Deepak Singh, Nupura Kale, Karl Christoph Sproll, Maria Soledad Sosa, and Julio A. Aguirre-Ghiso
- e20210789 **WEE1 inhibition induces anti-tumor immunity by activating ERV and the dsRNA pathway**
Ensong Guo, Rourou Xiao, Yifan Wu, Funian Lu, Chen Liu, Bin Yang, Xi Li, Yu Fu, Zizhuo Wang, Yuan Li, Yuhan Huang, Fuxia Li, Xue Wu, Lixin You, Tianyu Qin, Yiling Lu, Xiaoyuan Huang, Ding Ma, Gordon B. Mills, Chaoyang Sun, and Gang Chen
- e20202084 **A high OXPPOS CD8 T cell subset is predictive of immunotherapy resistance in melanoma patients**
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- e20201599 **NFAT-dependent and -independent exhaustion circuits program maternal CD8 T cell hypofunction in pregnancy**
Emma L. Lewis, Rong Xu, Jean-Christophe Beltra, Shin Foong Ngiow, Jordana Cohen, Rahul Telange, Alexander Crane, Deirdre Sawinski, E. John Wherry, and Paige M. Porrett
- e20211818 **A stem-loop RNA RIG-I agonist protects against acute and chronic SARS-CoV-2 infection in mice**
Tianyang Mao, Benjamin Israelow, Carolina Lucas, Chantal B.F. Vogels, Maria Luisa Gomez-Calvo, Olga Fedorova, Mallery I. Breban, Bridget L. Menasche, Huiping Dong, Melissa Linehan, Yale SARS-CoV-2 Genome Surveillance Initiative, Craig B. Wilen, Marie L. Landry, Nathan D. Grubaugh, Anna M. Pyle, and Akiko Iwasaki
- e20211372 **Protection of ischemic white matter and oligodendrocytes in mice by 3K3A-activated protein C**
Mikko T. Huuskonen, Yaoming Wang, Angeliki Maria Nikolakopoulou, Axel Montagne, Zhonghua Dai, Divna Lazic, Abhay P. Sagare, Zhen Zhao, Jose A. Fernandez, John H. Griffin, and Berislav V. Zlokovic



TBK1 binding to STING causes autoinflammation

Image © Li et al., 2021.

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e20200895

Gut microbiota-driven brain A β amyloidosis in mice requires microglia

Hemraj B. Dodiya, Holly L. Lutz, Ian Q. Weigle, Priyam Patel, Julia Michalkiewicz, Carlos J. Roman-Santiago, Can Martin Zhang, Yingxia Liang, Abhinav Srinath, Xulun Zhang, Jessica Xia, Monica Olszewski, Xiaoqiong Zhang, Matthew John Schipma, Eugene B. Chang, Rudolph E. Tanzi, Jack A. Gilbert, and Sangram S. Sisodia

e20211539

TBK1 recruitment to STING mediates autoinflammatory arthritis caused by defective DNA clearance

Tong Li, Seoyun Yum, Minghao Li, Xiang Chen, Xiaoxia Zuo, and Zhijian J. Chen

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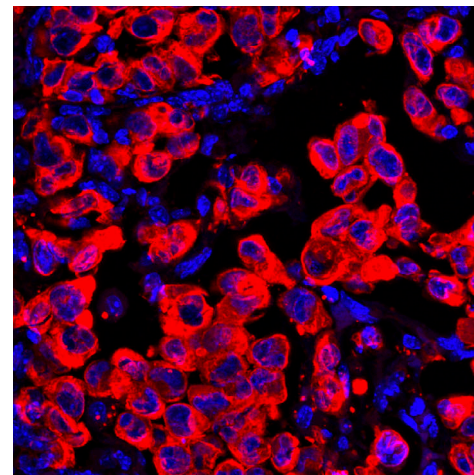
A growth factor-expressing macrophage subpopulation orchestrates regenerative inflammation via GDF-15

Andreas Patsalos, Laszlo Halasz, Miguel A. Medina-Serpas, Wilhelm K. Berger, Bence Daniel, Petros Tzerpos, Máté Kiss, Gergely Nagy, Cornelius Fischer, Zoltan Simandi, Tamas Varga, and Laszlo Nagy

CORRECTION

Correction: Neutrophil DREAM come true: The not-so-impossible quest for mechanisms of neutrophil function and heterogeneity

John C. Gomez and Claire M. Doerschuk



NR2F1 agonist induces cancer cell dormancy

Image © Khalil et al., 2021.

<https://doi.org/10.1084/jem.20210836>