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- 1500 **Macrophages derived from infiltrating monocytes mediate autoimmune myelin destruction**
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- 1500 **Critical role for CX₃CR1⁺ mononuclear phagocytes in intestinal homeostasis**
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- 1501 **The in-betweeners: MAIT cells join the innate-like lymphocytes gang**
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- 1503 **Fibroblast heterogeneity in the cancer wound**
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- 1525 **Gata6 regulates aspartoacylase expression in resident peritoneal macrophages and controls their survival**
Emmanuel L. Gautier, Stoyan Ivanov, Jesse W. Williams, Stanley Ching-Cheng Huang, Genevieve Marcelin, Keke Fairfax, Peter L. Wang, Jeremy S. Francis, Paola Leone, David B. Wilson, Maxim N. Artyomov, Edward J. Pearce, and Gwendalyn J. Randolph

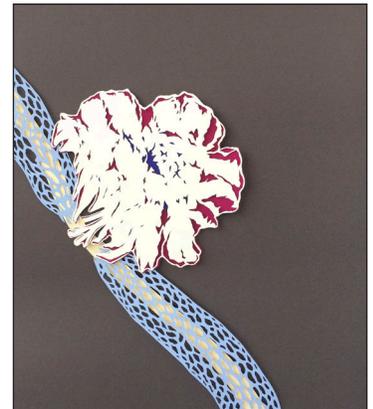
Articles

- 1533 **Differential roles of microglia and monocytes in the inflamed central nervous system**
Ryo Yamasaki, Haiyan Lu, Oleg Butovsky, Nobuhiko Ohno, Anna M. Rietsch, Ron Cialic, Pauline M. Wu, Camille E. Doykan, Jessica Lin, Anne C. Coteleur, Grahame Kidd, Musab M. Zorlu, Nathan Sun, Weiwei Hu, LiPing Liu, Jar-Chi Lee, Sarah E. Taylor, Lindsey Uehlein, Debra Dixon, Jinyu Gu, Crina M. Floruta, Min Zhu, Israel F. Charo, Howard L. Weiner, and Richard M. Ransohoff
- 1551 **Acid sphingomyelinase modulates the autophagic process by controlling lysosomal biogenesis in Alzheimer's disease**
Jong Kil Lee, Hee Kyung Jin, Min Hee Park, Bo-ra Kim, Phil Hyu Lee, Hiromitsu Nakauchi, Janet E. Carter, Xingxuan He, Edward H. Schuchman, and Jae-sung Bae
- 1571 **CX₃CR1⁺ mononuclear phagocytes support colitis-associated innate lymphoid cell production of IL-22**
Randy S. Longman, Gretchen E. Diehl, Daniel A. Victorio, Jun A. Huh, Carolina Galan, Emily R. Miraldi, Arun Swaminath, Richard Bonneau, Ellen J. Scherl, and Dan R. Littman
- 1585 **A molecular basis underpinning the T cell receptor heterogeneity of mucosal-associated invariant T cells**
Sidonia B.G. Eckle, Richard W. Birkinshaw, Lyudmila Kostenko, Alexandra J. Corbett, Hamish E.G. McWilliam, Rangsiman Reantragoon, Zhenjun Chen, Nicholas A. Gherardin, Travis Beddoe, Ligong Liu, Onisha Patel, Bronwyn Meehan, David P. Fairlie, Jose A. Villadangos, Dale I. Godfrey, Lars Kjer-Nielsen, James McCluskey, and Jamie Rossjohn

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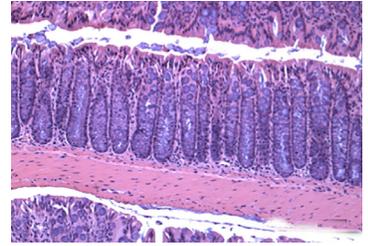


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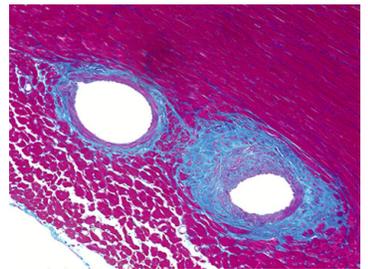
Yamasaki et al. perform microscopic and gene expression analyses to show that CNS destruction in mice with an MS-like disease is kicked off by monocyte-derived macrophages (MDMs). MDMs associate with gaps in the myelin sheath around neurons (called Nodes of Ranvier) and initiate demyelination, whereas resident microglia clear debris. Image by NY artist Alta Buden (altartation@gmail.com) shows an MDM (white/red) associating with a Node of Ranvier (myelin in blue).

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- 1601 MR1-restricted MAIT cells display ligand discrimination and pathogen selectivity through distinct T cell receptor usage**
Marielle C. Gold, James E. McLaren, Joseph A. Reistetter, Sue Smyk-Pearson, Kristin Ladell, Gwendolyn M. Swarbrick, Yik Y.L. Yu, Ted H. Hansen, Ole Lund, Morten Nielsen, Bram Gerritsen, Can Kesmir, John J. Miles, Deborah A. Lewinsohn, David A. Price, and David M. Lewinsohn
- 1611 Trans-nodal migration of resident dendritic cells into medullary interfollicular regions initiates immunity to influenza vaccine**
Matthew C. Woodruff, Balthasar A. Heesters, Caroline N. Herndon, Joanna R. Groom, Paul G. Thomas, Andrew D. Luster, Shannon J. Turley, and Michael C. Carroll
- 1623 ETO family protein Mtg16 regulates the balance of dendritic cell subsets by repressing Id2**
Hiyaa S. Ghosh, Michele Ceribelli, Ines Matos, Allan Lazarovici, Harmen J. Bussemaker, Anna Lasorella, Scott W. Hiebert, Kang Liu, Louis M. Staudt, and Boris Reizis
- 1637 Prolonged antigen presentation by immune complex-binding dendritic cells programs the proliferative capacity of memory CD8 T cells**
Beatriz León, André Ballesteros-Tato, Troy D. Randall, and Frances E. Lund
- 1657 Indigenous enteric eosinophils control DCs to initiate a primary Th2 immune response in vivo**
Derek K. Chu, Rodrigo Jimenez-Saiz, Christopher P. Verschoor, Tina D. Walker, Susanna Goncharova, Alba Llop-Guevara, Pamela Shen, Melissa E. Gordon, Nicole G. Barra, Jennifer D. Bassett, Joshua Kong, Ramzi Fattouh, Kathy D. McCoy, Dawn M. Bowdish, Jonas S. Erjefält, Oliver Pabst, Alison A. Humbles, Roland Kolbeck, Susan Wasserman, and Manel Jordana
- 1673 18-HEPE, an n-3 fatty acid metabolite released by macrophages, prevents pressure overload-induced maladaptive cardiac remodeling**
Jin Endo, Motoaki Sano, Yosuke Isobe, Keiichi Fukuda, Jing X. Kang, Hiroyuki Arai, and Makoto Arita
- 1689 TPL2 mediates autoimmune inflammation through activation of the TAK1 axis of IL-17 signaling**
Yichuan Xiao, Jin Jin, Mikyoung Chang, Mako Nakaya, Hongbo Hu, Qiang Zou, Xiaofei Zhou, George C. Brittain, Xuhong Cheng, and Shao-Cong Sun



MNPs support colitis-associated ILC3 production of IL-22.
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EPA metabolite prevents cardiac remodeling
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