



Cover legend: This image shows the distribution of oxytocin projectome (green) and oxytocin receptor (magenta) in a section of mouse brain. Quantitative comparison of the two labels found no significant correlation across the whole brain, suggesting abundant indirect oxytocin signaling in oxytocin-receptor-expressing areas. For more information, see the article by Son et al. (pages 5021–5033).

Cover image: Yongsoo Kim Lab at Pennsylvania State University.

4957 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

4958 Microglial *Tmem59* Deficiency Impairs Phagocytosis of Synapse and Leads to Autism-Like Behaviors in Mice

Jian Meng, Linkun Han, Naizhen Zheng, Ting Wang, Hui Xu, Yiru Jiang, Zijie Wang, Zhaoji Liu, Qiuyang Zheng, Xian Zhang, Hong Luo, Dan Can, Jinsheng Lu, Huaxi Xu, and Yun-wu Zhang

4980 Role of Voltage-Gated K^+ Channels and $K2P$ Channels in Intrinsic Electrophysiological Properties and Saltatory Conduction at Nodes of Ranvier of Rat Lumbar Spinal Ventral Nerves

Sotatsu Tonomura and Jianguo G. Gu

DEVELOPMENT/PLASTICITY/REPAIR

4995 Understanding the Influence of Target Acquisition on Survival, Integration, and Phenotypic Maturation of Dopamine Neurons within Stem Cell-Derived Neural Grafts in a Parkinson's Disease Model

Niamh Moriarty, Jessica A. Kauhausen, Chiara Pavan, Cameron P.J. Hunt, Isabelle R. de Luzy, Vanessa Penna, Charlotte M. Ermine, Lachlan H. Thompson, and Clare L. Parish

SYSTEMS/CIRCUITS

5007 Learned Motor Patterns Are Replayed in Human Motor Cortex during Sleep

Daniel B. Rubin, Tommy Hosman, Jessica N. Kelemen, Anastasia Kapitonava, Francis R. Willett, Brian F. Coughlin, Eric Halgren, Eyal Y. Kimchi, Ziv M. Williams, John D. Simeral, Leigh R. Hochberg, and Sydney S. Cash

5021 Whole-Brain Wiring Diagram of Oxytocin System in Adult Mice

Seoyoung Son, Steffy B. Manjila, Kyra T. Newmaster, Yuan-ting Wu, Daniel J. Vanselow, Matt Ciarletta, Todd E. Anthony, Keith C. Cheng, and Yongsoo Kim

BEHAVIORAL/COGNITIVE

5034 Gamma Activation and Alpha Suppression within Human Auditory Cortex during a Speech Classification Task

Kirill V. Nourski, Mitchell Steinschneider, Ariane E. Rhone, Christopher K. Kovach, Hiroto Kawasaki, and Matthew A. Howard III

- 5047 Cortico-Striatal Activity Characterizes Human Safety Learning via Pavlovian Conditioned Inhibition**
Patrick A.F. Laing, Trevor Steward, Christopher G. Davey, Kim L. Felmingham, Miguel Angel Fullana, Bram Vervliet, Matthew D. Greaves, Bradford Moffat, Rebecca K. Glarin, and Ben J. Harrison
- 5058 Spontaneous Alpha-Band Oscillations Bias Subjective Contrast Perception**
Elio Balestrieri and Niko A. Busch
- 5070 The Role of Visual Experience in Individual Differences of Brain Connectivity**
Sriparna Sen, Nanak Nihal Khalsa, Ningcong Tong, Smadar Ovadia-Caro, Xiaoying Wang, Yanchao Bi, and Ella Striem-Amit

NEUROBIOLOGY OF DISEASE

- 5085 Disruption of Endosomal Sorting in Schwann Cells Leads to Defective Myelination and Endosomal Abnormalities Observed in Charcot-Marie-Tooth Disease**
John W. McLean, Julie A. Wilson, Tina Tian, Jennifer A. Watson, Mary VanHart, Andrew J. Bean, Steven S. Scherer, David K. Crossman, Erobohen Ubogu, and Scott M. Wilson
- 5102 Calpain-2 Mediates MBNL2 Degradation and a Developmental RNA Processing Program in Neurodegeneration**
Lee-Hsin Wang, Chien-Yu Lin, Yu-Mei Lin, Luc Buée, Nicolas Sergeant, David Blum, Yijuan Chern, and Guey-Shin Wang
- 5115 A Computational Probe into the Behavioral and Neural Markers of Atypical Facial Emotion Processing in Autism**
Kohitij Kar
- 5127 *Erratum:*** The article “Only the Fastest Corticospinal Fibers Contribute to β Corticomuscular Coherence,” by J. Ibáñez, A. Del Vecchio, J. C. Rothwell, S. N. Baker, and D. Farina, appeared on pages 4867–4879 of the June 2, 2021 issue. An erratum for this article appears on page 5127.

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