



Cover legend: The whole-mount image shows the motor axons (NF-positive; red) innervating the neuromuscular junctions (α -bungarotoxin; white) in the dilator nasi muscle of the rat. The positive synaptophysin signals (green) are colocalized with the innervated neuromuscular junctions. This staining demonstrates active synaptic transmission of the innervated neuromuscular junctions. For more information, see the article by Tereshenko V et al. (pages 8297–8307). Cover image: Roland Blumer and Vlad Tereshenko.

8213 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

- 8214 Tsh Induces Agrp1 Neuron Proliferation in Oatp1c1-Deficient Zebrafish**
Talya Wasserman-Bartov, Inbal Admati, Ilana Lebenthal-Loinger, Julia Sharabany, Tali Lerer-Goldshtein, and Lior Appelbaum

DEVELOPMENT/PLASTICITY/REPAIR

- 8225 PDE2A Inhibition Enhances Axonal Sprouting, Functional Connectivity, and Recovery after Stroke**
Kirolos Raouf Bechay, Nora Abduljawad, Shahrzad Latifi, Kazunori Suzuki, Hiroki Iwashita, and S. Thomas Carmichael
- 8237 The Age of Reason: Functional Brain Network Development during Childhood**
Ursula A. Tooley, Anne T. Park, Julia A. Leonard, Austin L. Boroshok, Cassidy L. McDermott, Matthew D. Tisdall, Dani S. Bassett, and Allyson P. Mackey

SYSTEMS/CIRCUITS

- 8252 Large-Scale Mapping of Vocalization-Related Activity in the Functionally Diverse Nuclei in Rat Posterior Brainstem**
Miguel Concha-Miranda, Wei Tang, Konstantin Hartmann, and Michael Brecht
- 8262 A Midbrain Inspired Recurrent Neural Network Model for Robust Change Detection**
Yash Sawant, Jogendra Nath Kundu, Venkatesh Babu Radhakrishnan, and Devarajan Sridharan
- 8284 Early Life Pain Experience Changes Adult Functional Pain Connectivity in the Rat Somatosensory and the Medial Prefrontal Cortex**
Pishan Chang, Lorenzo Fabrizi, and Maria Fitzgerald
- 8297 Autonomic Nerve Fibers Aberrantly Reinnervate Denervated Facial Muscles and Alter Muscle Fiber Population**
Vlad Tereshenko, Dominik C. Dotzauer, Matthias Luft, Joachim Ortmayr, Udo Maierhofer, Martin Schmoll, Christopher Festin, Genova Carrero Rojas, Johanna Klepetko, Gregor Laengle, Olga Politikou, Dario Farina, Roland Blumer, Konstantin D. Bergmeister, and Oskar C. Aszmann

BEHAVIORAL/COGNITIVE

- 8308 Prolactin Action Is Necessary for Parental Behavior in Male Mice**
Kristina O. Smiley, Rosemary S.E. Brown, and David R. Grattan

- 8328 Stable Working Memory and Perceptual Representations in Macaque Lateral Prefrontal Cortex during Naturalistic Vision**
Megan Roussy, Benjamin Corrigan, Rogelio Luna, Roberto A. Gulli, Adam J. Sachs, Lena Palaniyappan, and Julio C. Martinez-Trujillo
- 8343 Sustained Activity of Hippocampal Parvalbumin-Expressing Interneurons Supports Trace Eyeblink Conditioning in Mice**
Rongrong Li, Weiwei Zhang, Jie Zhang, Haibo Zhang, Hui Chen, Zhian Hu, Zhongxiang Yao, Hao Chen, and Bo Hu

NEUROBIOLOGY OF DISEASE

- 8361 Deiters Cells Act as Mechanical Equalizers for Outer Hair Cells**
Wenxiao Zhou, Talat Jabeen, Sultan Sabha, Jonathan Becker, and Jong-Hoon Nam
- 8373 Conserved and Distinct Functions of the Autism-Related Chromatin Remodeler CHD8 in Embryonic and Adult Forebrain Neurogenesis**
Chen Dong, Chuntao Zhao, Xiang Chen, Kalen Berry, Jiajia Wang, Feng Zhang, Yunfei Liao, Rong Han, Sean Ogurek, Lingli Xu, Li Zhang, Yifeng Lin, Wenhao Zhou, Mei Xin, Daniel A. Lim, Kenneth Campbell, Masato Nakafuku, Ronald R. Waclaw, and Q. Richard Lu

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