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Cover legend: This image shows traced efferent axons (magenta) overlaid with labeled presynaptic ribbons (green) of hair cells in the chicken basilar papilla. For more information, see the article by Munnamalai et al. (pages 8975–8988). i This Week in The Journal

Journal Club

- **8857** Distinct Phases of Tau, Amyloid, and Functional Connectivity in Healthy Older Adults Arielle S. Keller and Leigh Christopher
- 8860 The Medial Premotor Cortex as a Bridge from Internal Timekeeping to Action Robert W. Nickl

Research Articles

CELLULAR/MOLECULAR

- 8876 STIM1 Regulates Somatic Ca²⁺ Signals and Intrinsic Firing Properties of Cerebellar Purkinje Neurons
 Changhyeon Ryu, Dong Cheol Jang, Dayoon Jung, Yong Gyu Kim, Hyun Geun Shim, Hyun-Hee Ryu, Yong-Seok Lee, David J. Linden, Paul F. Worley, and Sang Jeong Kim
- **9064 Contribution of Astroglial Cx43 Hemichannels to the Modulation of Glutamatergic Currents by D-Serine in the Mouse Prefrontal Cortex** Claire Meunier, Nan Wang, Chenju Yi, Glenn Dallerac, Pascal Ezan, Annette Koulakoff, Luc Leybaert, and Christian Giaume

DEVELOPMENT/PLASTICITY/REPAIR

8975 Wnt9a Can Influence Cell Fates and Neural Connectivity across the Radial Axis of the Developing Cochlea

Vidhya Munnamalai, Ulrike J. Sienknecht, R. Keith Duncan, M. Katie Scott, Ankita Thawani, Kristen N. Fantetti, Nadia M. Atallah, Deborah J. Biesemeier, Kuhn H. Song, Kirsten Luethy, Eric Traub, and Donna M. Fekete

- 8989 Plasticity Beyond V1: Reinforcement of Motion Perception upon Binocular Central Retinal Lesions in Adulthood Kalina Burnat, Tjing-Tjing Hu, Małgorzata Kossut, Ulf T. Eysel, and Lutgarde Arckens
- 9086 After Nerve Injury, Lineage Tracing Shows That Myelin and Remak Schwann Cells Elongate Extensively and Branch to Form Repair Schwann Cells, Which Shorten Radically on Remyelination

Jose A. Gomez-Sanchez, Kjara S. Pilch, Milou van der Lans, Shaline V. Fazal, Cristina Benito, Laura J. Wagstaff, Rhona Mirsky, and Kristjan R. Jessen

SYSTEMS/CIRCUITS

8919	Visual Receptive Field Heterogeneity and Functional Connectivity of Adjacent Neurons in Primate Frontoparietal Association Cortices Pooja Viswanathan and Andreas Nieder
8952	Identified GABAergic and Glutamatergic Neurons in the Mouse Inferior Colliculus Share Similar Response Properties Munenori Ono, Deborah C. Bishop, and Douglas L. Oliver
9076	Individual Movement Variability Magnitudes Are Explained by Cortical Neural Variability Shlomi Haar, Opher Donchin, and Ilan Dinstein
BEHAVIORAL/COGNITIVE	
8863	Learning and Stress Shape the Reward Response Patterns of Serotonin Neurons Weixin Zhong, Yi Li, Qiru Feng, and Minmin Luo
8895	Time of Day Differences in Neural Reward Functioning in Healthy Young Men Jamie E.M. Byrne, Matthew E. Hughes, Susan L. Rossell, Sheri L. Johnson, and Greg Murray
8929	Human Occipital and Parietal GABA Selectively Influence Visual Perception of Orientation and Size Chen Song, Kristian Sandberg, Lau Møller Andersen, Jakob Udby Blicher, and Geraint Rees
8938	Calpain-GRIP Signaling in Nucleus Accumbens Core Mediates the Reconsolidation of Drug Reward Memory Jie Liang, Jia-Li Li, Ying Han, Yi-Xiao Luo, Yan-Xue Xue, Yàn Zhang, Yán Zhang, Li-Bo Zhang, Man-Li Chen, Lin Lu, and Jie Shi
8965	Attenuated Activity across Multiple Cell Types and Reduced Monosynaptic Connectivity in the Aged Perirhinal Cortex Andrew P. Maurer, Sara N. Burke, Kamran Diba, and Carol A. Barnes
9013	Superoptimal Perceptual Integration Suggests a Place-Based Representation of Pitch at High Frequencies Bonnie K. Lau, Anahita H. Mehta, and Andrew J. Oxenham
9022	Bilingual Language Switching in the Laboratory versus in the Wild: The Spatiotemporal Dynamics of Adaptive Language Control Esti Blanco-Elorrieta and Liina Pylkkänen
9054	Effector-Invariant Movement Encoding in the Human Motor System Shlomi Haar, Ilan Dinstein, Ilan Shelef, and Opher Donchin
NEUROBIOLOGY OF DISEASE	
8901	Opposite Synaptic Alterations at the Neuromuscular Junction in an ALS Mouse Model: When Motor Units Matter Elsa Tremblay, Éric Martineau, and Richard Robitaille
9000	Mutant Huntingtin Is Secreted via a Late Endosomal/Lysosomal Unconventional Secretory Pathway Katarina Trajkovic, Hyunkyung Jeong, and Dimitri Krainc

9037 Changes in the Excitability of Neocortical Neurons in a Mouse Model of Amyotrophic Lateral Sclerosis Are Not Specific to Corticospinal Neurons and Are Modulated by Advancing Disease Jubyun Kim, Ethan G. Hughes, Ashwin S. Shetty, Paola Arlotta, Loval A. Goff

Juhyun Kim, Ethan G. Hughes, Ashwin S. Shetty, Paola Arlotta, Loyal A. Goff, Dwight E. Bergles, and Solange P. Brown

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