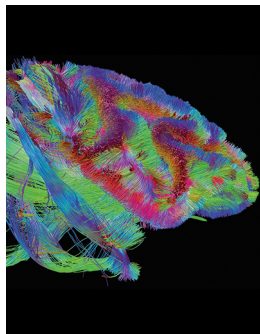


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**Cover legend:** This image shows tractography reconstructions of frontal white matter pathways in the macaque brain. Tractography enables us to compare human and non-human primate frontal white matter networks, showing disproportional volume increases in humans for certain tracts associated with language and higher cognitive functions. For more information, see the article by Barrett et al. (pages 2094–2107).

## 1993 This Week in The Journal

### Journal Club

1994 **Reconciling Current Theories of Consciousness**  
Sébastien Maillé and Michael Lynn

1997 **Dissociated Neural Mechanisms of Target and Distractor Processing Facilitated by Expectations**  
Zhenghan Li (李政汉), Florian Göschl, and Guochun Yang (杨国春)

### Research Articles

#### CELLULAR/MOLECULAR

2000 **Neuronal L-Type Calcium Channel Signaling to the Nucleus Requires a Novel CaMKII $\alpha$ -Shank3 Interaction**  
Tyler L. Perfit, Xiaohan Wang, Matthew T. Dickerson, Jason R. Stephenson, Terunaga Nakagawa, David A. Jacobson, and Roger J. Colbran

#### DEVELOPMENT/PLASTICITY/REPAIR

2015 **Persistent Cyfp1 Expression Is Required to Maintain the Adult Subventricular Zone Neurogenic Niche**  
Christa Whelan Habela, Ki-Jun Yoon, Nam-Shik Kim, Arens Taga, Cassidy Bell, Dwight E. Bergles, Nicholas J. Maragakis, Guo-li Ming, and Hongjun Song

2025 **Visuoauditory Associative Memory Established with Cholecystokinin Under Anesthesia Is Retrieved in Behavioral Contexts**  
Zicong Zhang, Xuejiao Zheng, Wenjian Sun, Yujie Peng, Yiping Guo, Danyi Lu, Yilin Zheng, Xiao Li, Peter Jendrichovsky, Peng Tang, Ling He, Min Li, Qing Liu, Fuqiang Xu, Gabriel Ng, Xi Chen, and Jufang He

2038 **Intrinsic Excitability Increase in Cerebellar Purkinje Cells after Delay Eye-Blink Conditioning in Mice**  
Heather K. Titley, Gabrielle V. Watkins, Carmen Lin, Craig Weiss, Michael McCarthy, John F. Disterhoft, and Christian Hansel

#### SYSTEMS/CIRCUITS

2047 **Experience- and Sex-Dependent Intrinsic Plasticity in the Zebra Finch Auditory Cortex during Song Memorization**  
Andrew N. Chen and C. Daniel Meliza

- 2056 **Excitatory/Inhibitory Responses Shape Coherent Neuronal Dynamics Driven by Optogenetic Stimulation in the Primate Brain**  
Ryan A. Shewcraft, Heather L. Dean, Margaret M. Fabiszak, Maureen A. Hagan, Yan T. Wong, and Bijan Pesaran
- 2069 **Integration of Hypernatremia and Angiotensin II by the Organum Vasculosum of the Lamina Terminalis Regulates Thirst**  
Brian J. Kinsman, Sarah S. Simmonds, Kirsteen N. Browning, Megan M. Wenner, William B. Farquhar, and Sean D. Stocker
- 2080 **Robust Rate-Place Coding of Resolved Components in Harmonic and Inharmonic Complex Tones in Auditory Midbrain**  
Yaqing Su and Bertrand Delgutte
- 2094 **Differences in Frontal Network Anatomy Across Primate Species**  
Rachel L. C. Barrett, Matthew Dawson, Tim B. Dyrby, Kristine Krug, Maurice Ptito, Helen D'Arceuil, Paula L. Croxson, Philippa J. Johnson, Henrietta Howells, Stephanie J. Forkel, Flavio Dell'Acqua, and Marco Catani

#### BEHAVIORAL/COGNITIVE

- 2108 **The Rapid Emergence of Musical Pitch Structure in Human Cortex**  
Narayan Sankaran, Thomas A. Carlson, and William Forde Thompson
- 2119 **Reactivated Spatial Context Guides Episodic Recall**  
Nora A. Herweg, Ashwini D. Sharan, Michael R. Spering, Armin Brandt, Andreas Schulze-Bonhage, and Michael J. Kahana
- 2129 **Context-Dependent Coding of Temporal Distance Between Cinematic Events in the Human Precuneus**  
Samy-Adrien Foudil, Sze Chai Kwok, and Emiliano Macaluso
- 2139 **Complementary Control over Habits and Behavioral Vigor by Phasic Activity in the Dorsolateral Striatum**  
Adam C. G. Crego, Fabián Štoček, Alec G. Marchuk, James E. Carmichael, Matthijs A. A. van der Meer, and Kyle S. Smith

#### NEUROBIOLOGY OF DISEASE

- 2154 **The Mitochondria-Derived Peptide Humanin Improves Recovery from Intracerebral Hemorrhage: Implication of Mitochondria Transfer and Microglia Phenotype Change**  
Joo Eun Jung, Guanghua Sun, Jesus Bautista Garrido, Lidiya Obertas, Alexis S. Mobley, Shun-Ming Ting, Xiurong Zhao, and Jaroslaw Aronowski
- 2166 **Direct Activation of Primary Motor Cortex during Subthalamic But Not Pallidal Deep Brain Stimulation**  
Luke A. Johnson, Jing Wang, Shane D. Nebeck, Jianyu Zhang, Matthew D. Johnson, and Jerrold L. Vitek
- 2178 **Erratum:** The article "A Multicomponent Neuronal Response Encodes the Larval Decision to Pupariate upon Amino Acid Starvation," by Siddharth Jayakumar, Shlesha Richhariya, Bipan Kumar Deb, and Gaiti Hasan, appeared on pages 10202–10219 of the November 21, 2018 issue. An erratum for this article appears on pp. 2178–2181.

2182 **Erratum:** The article “Whisking Asymmetry Signals Motor Preparation and the Behavioral State of Mice” by Sina E. Dominiak, Mostafa A. Nashaat, Keisuke Sehara, Hatem Oraby, Matthew E. Larkum, and Robert N.S. Sachdev, appeared on pages 9818–9830 of the December 4, 2019 issue. An erratum for this article appears on page 2182.

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