



**Cover legend:** This image shows a tame fox generated through the Russian farm-fox experiment.

Surprisingly, foxes selected for tameness or aggressiveness show similar changes in brain structure compared with captive-bred foxes that were not subject to specific behavioral selection. For more information, see the article by Hecht et al. (pages 6144–6156). Cover image: Jennifer Johnson and Darya Shepeleva (photographers).

## 5979 This Week in The Journal

### Research Articles

#### CELLULAR/MOLECULAR

- 5980** *Munc18-1* Is Essential for Neuropeptide Secretion in Neurons  
Daniël C. Puntman, Swati Arora, Margherita Farina, Ruud F. Toonen, and Matthijs Verhage

#### DEVELOPMENT/PLASTICITY/REPAIR

- 5994** Increased Visual Sensitivity and Occipital Activity in Patients With Hemianopia Following Vision Rehabilitation  
Sara Ajina, Kristin Jünemann, Arash Sahraie, and Holly Bridge
- 6006** Revisiting the Neural Architecture of Adolescent Decision-Making: Univariate and Multivariate Evidence for System-Based Models  
João F. Guassi Moreira, Adriana S. Méndez Leal, Yael H. Waizman, Natalie Saragosa-Harris, Emilia Ninova, and Jennifer A. Silvers

#### SYSTEMS/CIRCUITS

- 6018** A High-Density Narrow-Field Inhibitory Retinal Interneuron with Direct Coupling to Müller Glia  
William N. Grimes, Didem Göz Aytürk, Mrinalini Hoon, Takeshi Yoshimatsu, Clare Gamlin, Daniel Carrera, Amurta Nath, Francisco M. Nadal-Nicolás, Richard M. Ahlquist, Adit Sabnis, David M. Berson, Jeffrey S. Diamond, Rachel O. Wong, Connie Cepko, and Fred Rieke
- 6038** A Data-Driven Functional Mapping of the Anterior Temporal Lobes  
Andrew S. Persichetti, Joseph M. Denning, Stephen J. Gotts, and Alex Martin
- 6050** Dopamine D1 Receptor Activation Drives Plasticity in the Songbird Auditory Pallium  
Matheus Macedo-Lima, Hannah M. Boyd, and Luke Ramage-Healey
- 6070** Viewing Ambiguous Social Interactions Increases Functional Connectivity between Frontal and Temporal Nodes of the Social Brain  
Matthew Ainsworth, Jérôme Sallet, Olivier Joly, Diana Kyriazis, Nikolaus Kriegeskorte, John Duncan, Urs Schüffelgen, Matthew F. S. Rushworth, and Andrew H. Bell
- 6087** Gamma Oscillations in the Basolateral Amygdala: Localization, Microcircuitry, and Behavioral Correlates  
Drew B. Headley, Pinelopi Kyriazi, Feng Feng, Satish S. Nair, and Denis Pare

## BEHAVIORAL/COGNITIVE

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Yi Liu, Gaofeng Shi, Mingyang Li, Hongbing Xing, Yan Song, Luchuan Xiao, Yuguang Guan, and Zaizhu Han
- 6116 Sustained Pupil Responses Are Modulated by Predictability of Auditory Sequences**  
Alice E. Milne, Sijia Zhao, Christina Tampakaki, Gabriela Bury, and Maria Chait
- 6128 Selective Inhibition of Phosphodiesterase 7 Enzymes Reduces Motivation for Nicotine Use through Modulation of Mesolimbic Dopaminergic Transmission**  
Roberto Ciccocioppo, Giordano de Guglielmo, Hong Wu Li, Miriam Melis, Lucia Caffino, Quienwei Shen, Ana Domi, Fabio Fumagalli, Gregory A. Demopoulos, and George A. Gaitanaris
- 6144 Neuromorphological Changes following Selection for Tameness and Aggression in the Russian Farm-Fox experiment**  
Erin E. Hecht, Anna V. Kukekova, David A. Gutman, Gregory M. Acland, Todd M. Preuss, and Lyudmila N. Trut

## NEUROBIOLOGY OF DISEASE

- 6157 Developmental and Interventional Plasticity of Motor Maps after Perinatal Stroke**  
Sarah Y. Zhang, Matthew S. Jeffers, Diane C. Lagace, Adam Kirton, and Gergely Silasi
- 6173 GPR120 Signaling Controls Amyloid- $\beta$  Degrading Activity of Matrix Metalloproteinases**  
Kazunori Kikuchi, Takuya Tatebe, Yuki Sudo, Miyabishara Yokoyama, Kiwami Kidana, Yung Wen Chiu, Sho Takatori, Makoto Arita, Yukiko Hori, and Taisuke Tomita

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