



**Cover legend:** This image of an embryonic day 18.5 mouse brain shows malformations in the striatal direct pathway (green), the corticofugal pathway (red), and the thalamocortical pathway (blue) that occur when the transcription factor *Isl1* is conditionally inactivated within the ventral forebrain. For more information, see the article by Ehrman et al. (pages 3344–3364). Cover image: Jacqueline Ehrman.

## 3290 This Week in The Journal

### Viewpoints

- 3291 **A Proposed Role for Interactions between Argonautes, miRISC, and RNA Binding Proteins in the Regulation of Local Translation in Neurons and Glia**  
Sarah K. Koester and Joseph D. Dougherty

### Journal Club

- 3302 **Parabrachial Projections to PAG-RVM Axis May Promote Placebo Hypoalgesia and Nocicebo Hyperalgesia**  
Julio A. Yanes and Titilola Akintola

### Research Articles

#### CELLULAR/MOLECULAR

- 3305 **KCNQ Channels Enable Reliable Presynaptic Spiking and Synaptic Transmission at High Frequency**  
Yihui Zhang, Dainan Li, Youad Darwish, Xin Fu, Laurence O. Trussell, and Hai Huang
- 3316 **Opioid-Induced Pronociceptive Signaling in the Gastrointestinal Tract Is Mediated by Delta-Opioid Receptor Signaling**  
Josue Jaramillo-Polanco, Cintya Lopez-Lopez, Yang Yu, Emma Neary, Alan Hegron, Meritxell Canals, Nigel W. Bunnett, David E. Reed, Alan E. Lomax, and Stephen J. Vanner
- 3329 **A Non-Nuclear NF- $\kappa$ B Modulates Alcohol Sensitivity But Not Immunity**  
Thilini P. Wijesekera, Zheng Wu, Nicole P. Stephens, Rahul Godula, Linda Kao Lew, and Nigel S. Atkinson

#### DEVELOPMENT/PLASTICITY/REPAIR

- 3344 **Formation of the Mouse Internal Capsule and Cerebral Peduncle: A Pioneering Role for Striatonigral Axons as Revealed in *Isl1* Conditional Mutants**  
Jacqueline M. Ehrman, Paloma Merchan-Sala, Lisa A. Ehrman, Bin Chen, Hee-Woong Lim, Ronald R. Waclaw, and Kenneth Campbell

#### SYSTEMS/CIRCUITS

- 3365 **A Computational Model of Direction Selectivity in Macaque V1 Cortex Based on Dynamic Differences between On and Off Pathways**  
Logan Chariker, Robert Shapley, Michael Hawken, and Lai-Sang Young
- 3381 **Descending Axonal Projections from the Inferior Colliculus Target Nearly All Excitatory and Inhibitory Cell Types of the Dorsal Cochlear Nucleus**  
Timothy S. Balmer and Laurence O. Trussell

- 3394 **Dendritic Domain-Specific Sampling of Long-Range Axons Shapes Feedforward and Feedback Connectivity of L5 Neurons**  
Alessandro R. Galloni, Zhiwen Ye, and Ede Rancz
- 3406 **Somatic Depolarization Enhances Hippocampal CA1 Dendritic Spike Propagation and Distal Input-Driven Synaptic Plasticity**  
Tobias Bock, Adrian Negrean, and Steven A. Siegelbaum

#### BEHAVIORAL/COGNITIVE

- 3426 **Disrupted Choline Clearance and Sustained Acetylcholine Release *In Vivo* by a Common Choline Transporter Coding Variant Associated with Poor Attentional Control in Humans**  
Eryn Donovan, Cassandra Avila, Sarah Klausner, Vinay Parikh, Cristina Fenollar-Ferrer, Randy D. Blakely, and Martin Sarter
- 3445 **Altruism under Stress: Cortisol Negatively Predicts Charitable Giving and Neural Value Representations Depending on Mentalizing Capacity**  
Stefan Schulreich, Anita Tusche, Philipp Kanske, and Lars Schwabe
- 3461 **Age-Related Enhancements in Positive Emotionality across The Life Span: Structural Equation Modeling of Brain and Behavior**  
Jason Stretton, Susanne Schweizer, and Tim Dalgleish
- 3473 **A Corticothalamic Circuit Trades off Speed for Safety during Decision-Making under Motivational Conflict**  
Eun A. Choi, Medina Husić, E. Zayra Millan, Sophia Gilchrist, John M. Power, Philip Jean-Richard dit Bressel, and Gavan P. McNally
- 3484 **Prefrontal Cortical Connectivity Mediates Locus Coeruleus Noradrenergic Regulation of Inhibitory Control in Older Adults**  
Alessandro Tomassini, Frank H. Hezemans, Rong Ye, Kamen A. Tsvetanov, Noham Wolpe, and James B. Rowe

#### NEUROBIOLOGY OF DISEASE

- 3494 **Improved Sleep, Memory, and Cellular Pathological Features of Tauopathy, Including the NLRP3 Inflammasome, after Chronic Administration of Trazodone in rTg4510 Mice**  
Paula de Oliveira, Claire Cella, Nicolas Locker, Kiran K. G. Ravindran, Agampodi Mendis, Keith Wafford, Gary Gilmour, Derk-Jan Dijk, and Raphaelle Winsky-Sommerer
- 3510 **Erratum:** The article, "Predictive Representations in Hippocampal and Prefrontal Hierarchies" by Iva K. Brunec and Ida Momennejad, appeared on pages 299–312 of the January 12, 2022 issue. An erratum for this article appears on page 3510.

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