



**Cover legend:** This image shows a neural rosette derived from a pluripotent stem cell. Apical localization of N-cadherin (red) is seen, with beta III tubulin (green) showing both polarized rosette cells, and non-polarized neuronal cells outside of the rosette. Nuclei are visualized with DAPI (blue). For more information, see the article by Coulthard, Haworth et al. (pages 5395–5407).

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### Journal Club

- 5393 **Cortical Predictive Mechanisms of Auditory Response Attenuation to Self-Generated Sounds**  
Matthew G. Phillips, Stephen C. Lenzi, and Jesse P. Geerts

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- 5484 **Activity Clamp Provides Insights into Paradoxical Effects of the Anti-Seizure Drug Carbamazepine**  
Gareth Morris, Marco Leite, Dimitri M. Kullmann, Ivan Pavlov, Stephanie Schorge, and Gabriele Lignani
- 5496 **Two Components of Aversive Memory in *Drosophila*, Anesthesia-Sensitive and Anesthesia-Resistant Memory, Require Distinct Domains Within the Rgl1 Small GTPase**  
Satoshi Murakami, Maki Minami-Ohtsubo, Ryuichiro Nakato, Katsuhiko Shirahige, and Tetsuya Tabata

#### DEVELOPMENT/PLASTICITY/REPAIR

- 5395 **Complement C5aR1 Signaling Promotes Polarization and Proliferation of Embryonic Neural Progenitor Cells through PKC $\zeta$**   
Liam G. Coulthard, Owen A. Haworth, Rui Li, Anushree Balachandran, John D. Lee, Farshid Sepehrband, Nyoman Kurniawan, Angela Jeanes, David G. Simmons, Ernst Wolvetang, and Trent M. Woodruff
- 5511 ***In Vivo* Calcium Signaling during Synaptic Refinement at the *Drosophila* Neuromuscular Junction**  
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- 5549 **Hierarchical Specification of Pruriceptors by Runt-Domain Transcription Factor Runx1**  
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- 5429 **Ladder Treadmill: A Method to Assess Locomotion in Cats with an Intact or Lesioned Spinal Cord**  
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- 5527 **Anterolateral Entorhinal Cortex Volume Predicted by Altered Intra-Item Configural Processing**  
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- 5539 **Moment-to-Moment BOLD Signal Variability Reflects Regional Changes in Neural Flexibility across the Lifespan**  
Jason S. Nomi, Taylor S. Bolt, C.E. Chiemeka Ezie, Lucina Q. Uddin, and Aaron S. Heller

## NEUROBIOLOGY OF DISEASE

- 5463 **Dopamine Receptors Differentially Control Binge Alcohol Drinking-Mediated Synaptic Plasticity of the Core Nucleus Accumbens Direct and Indirect Pathways**  
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- 5562 **Angiotensin IV Receptors Mediate the Cognitive and Cerebrovascular Benefits of Losartan in a Mouse Model of Alzheimer's Disease**  
Jessika Royea, Luqing Zhang, Xin-Kang Tong, and Edith Hamel
- 5574 **MicroRNA Profiling Reveals Marker of Motor Neuron Disease in ALS Models**  
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- 5587 **Correction:** The article "When the Brain Takes a Break: A Model-Based Analysis of Mind Wandering" by Matthias Mittner, Wouter Boekel, Adrienne M. Tucker, Brandon M. Turner, Andrew Heathcote, and Birte U. Forstmann, appeared on pages 16286–16295 of the December 3, 2014 issue. A correction for this article appears on page 5587.

5588 **Correction:** The article “Coding of Event Nodes and Narrative Context in the Hippocampus” by Branka Milivojevic, Meryl Varadinov, Alejandro Vicente Grabovetsky, Silvy H. P. Collin, and Christian F. Doeller, appeared on pages 12412–12424 of the December 7, 2016 issue. A correction for this article appears on page 5588.

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