



**Cover legend:** This image shows a section of neocortex from an embryonic-day-13 mouse that was electroporated at embryonic day 12.5 with a plasmid expressing GFP under control of the Hes5 promoter (green). It was immunostained for the neuronal marker Dcx (red). Co-localization of the markers is largely absent because radial glial progenitor cells in which the Hes5 promoter is active remain as progenitors 12 hours after the electroporation. See Fabra-Beser et al. (pages 6969–6986) for details.

Cover image: Jaime Fabra-Beser.

## 6968 This Week in The Journal

### Research Articles

#### CELLULAR/MOLECULAR

#### 6969 Differential Expression Levels of Sox9 in Early Neocortical Radial Glial Cells Regulate the Decision between Stem Cell Maintenance and Differentiation

Jaime Fabra-Beser, Jessica Alves Medeiros de Araujo, Diego Marques-Coelho, Loyal A. Goff, Marcos R. Costa, Ulrich Müller, and Cristina Gil-Sanz

#### 6987 Carboxypeptidase E Regulates Activity-Dependent TrkB Neuronal Surface Insertion and Hippocampal Memory

Na Li (李娜), Shuai-Wen Teng (滕帅文), Ling Zhao (赵玲), Jing-Rui Li (李敬瑞), Jia-Ling Xu (许佳玲), Na Li (李娜), Jia-Cheng Shuai (帅佳成), and Zhe-Yu Chen (陈哲宇)

#### DEVELOPMENT/PLASTICITY/REPAIR

#### 7003 Rapid Ultrastructural Changes in the PSD and Surrounding Membrane after Induction of Structural LTP in Single Dendritic Spines

Ye Sun, Michael Smirnov, Naomi Kamasawa, and Ryohei Yasuda

#### SYSTEMS/CIRCUITS

#### 7015 Regional White Matter Scaling in the Human Brain

Allysa Warling, Cassidy L. McDermott, Siyuan Liu, Jakob Seidlitz, Amanda L. Rodrigue, Ajay Nadig, Ruben C. Gur, Raquel E. Gur, David Roalf, Tyler M. Moore, David Glahn, Theodore D. Satterthwaite, Edward T. Bullmore, and Armin Raznahan

#### 7029 Disengagement of Motor Cortex during Long-Term Learning Tracks the Performance Level of Learned Movements

Eun Jung Hwang, Jeffrey E. Dahlen, Madan Mukundan, and Takaki Komiyama

#### 7048 Sparse Coding in Temporal Association Cortex Improves Complex Sound Discriminability

L. Feigin, G. Tasaka, I. Maor, and A. Mizrahi

#### BEHAVIORAL/COGNITIVE

#### 7065 Rhythmic Modulation of Visual Perception by Continuous Rhythmic Auditory Stimulation

Anna-Katharina R. Bauer, Freek van Ede, Andrew J. Quinn, and Anna C. Nobre

- 7076 **Temporal Dynamics of Brain White Matter Plasticity in Sighted Subjects during Tactile Braille Learning: A Longitudinal Diffusion Tensor Imaging Study**  
Malwina Molendowska, Jacek Matuszewski, Bartosz Kossowski, Łukasz Bola, Anna Banaszekiewicz, Małgorzata Paplińska, Katarzyna Jednoróg, Bogdan Draganski, and Artur Marchewka
- 7086 **G-Protein-Gated Inwardly Rectifying Potassium (Kir3/GIRK) Channels Govern Synaptic Plasticity That Supports Hippocampal-Dependent Cognitive Functions in Male Mice**  
Souhail Djebari, Guillermo Iborra-Lázaro, Sara Temprano-Carazo, Irene Sánchez-Rodríguez, Mauricio O. Nava-Mesa, Alejandro Múnera, Agnès Gruart, José M. Delgado-García, Lydia Jiménez-Díaz, and Juan D. Navarro-López
- 7103 **Untangling the Animacy Organization of Occipitotemporal Cortex**  
J. Brendan Ritchie, Astrid A. Zeman, Joyce Bosmans, Shuo Sun, Kirsten Verhaegen, and Hans P. Op de Beeck
- 7120 **Strategic Distractor Suppression Improves Selective Control in Human Vision**  
Wieske van Zoest, Christoph Huber-Huber, Matthew D. Weaver, and Clayton Hickey
- 7136 **Modulation of the Primary Auditory Thalamus When Recognizing Speech with Background Noise**  
Paul Glad Mihai, Nadja Tschentscher, and Katharina von Kriegstein

#### NEUROBIOLOGY OF DISEASE

- 7148 **The Gliopeptide ODN, a Ligand for the Benzodiazepine Site of GABA<sub>A</sub> Receptors, Boosts Functional Recovery after Stroke**  
Rhita Lamtahri, Mahmoud Hazime, Emma K. Gowing, Raghavendra Y. Nagaraja, Julie Maucotel, Michael Alasoadura, Pascale P Quilichini, Katia Lehongre, Benjamin Lefranc, Katarzyna Gach-Janczak, Ann-Britt Marcher, Susanne Mandrup, David Vaudry, Andrew N. Clarkson, Jérôme Leprince, and Julien Chuquet
- 7160 **Expression of Concern:** The article, “Oligodendrocyte Regeneration and CNS Remyelination Require TACE/ADAM17” by Javier Palazuelos, Michael Klingener, Elaine W. Raines, Howard C. Crawford, and Adan Aguirre, appeared on pages 12241–12247 of the September 2, 2015 issue. An expression of concern for this article appears on page 7160.
- 7161 **Expression of Concern:** The article, “N-Cadherin Promotes Recruitment and Migration of Neural Progenitor Cells from the SVZ Neural Stem Cell Niche into Demyelinated Lesions” by Michael Klingener, Manideep Chavali, Jagdeep Singh, Nadia McMillan, Alexandra Coomes, Peter J. Dempsey, Emily I. Chen, and Adan Aguirre, appeared on pages 9590–9606 of the July 16, 2014 issue. An expression of concern for this article appears on page 7161.

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