



Cover legend: This image shows the mouse adult hippocampus with neurogenesis markers. EYFP (green) is expressed in radial glia-like neural stem cells and their progenies. Adult-born neurons and neural stem cells/neural progenitors are stained with Doublecortin (red) and Sox2 (white), respectively. DAPI labeling is blue. For more information, see the article by Kuhn et al. (pages 10401–10410).

i This Week in The Journal

Progressions

- 10401 **Adult Hippocampal Neurogenesis: A Coming-of-Age Story**
H. Georg Kuhn, Tomohisa Toda, and Fred H. Gage

Research Articles

CELLULAR/MOLECULAR

- 10454 **Retinoic Acid Receptor RAR α -Dependent Synaptic Signaling Mediates Homeostatic Synaptic Plasticity at the Inhibitory Synapses of Mouse Visual Cortex**
Lei R. Zhong, Xin Chen, Esther Park, Thomas C. Südhof, and Lu Chen
- 10535 **Demethylation of G-Protein-Coupled Receptor 151 Promoter Facilitates the Binding of Krüppel-Like Factor 5 and Enhances Neuropathic Pain after Nerve Injury in Mice**
Bao-Chun Jiang, Wen-Wen Zhang, Tian Yang, Chang-Yun Guo, De-Li Cao, Zhi-Jun Zhang, and Yong-Jing Gao

DEVELOPMENT/PLASTICITY/REPAIR

- 10424 **Congenital Cytomegalovirus Infection Alters Olfaction Before Hearing Deterioration In Mice**
Françoise Lazarini, Lida Katsimpardi, Sarah Levivien, Sébastien Wagner, Pierre Gressens, Natacha Teissier, and Pierre-Marie Lledo

SYSTEMS/CIRCUITS

- 10411 **FABP3 in the Anterior Cingulate Cortex Modulates the Methylation Status of the Glutamic Acid Decarboxylase₆₇ Promoter Region**
Yui Yamamoto, Hiroyuki Kida, Yoshiteru Kagawa, Yuki Yasumoto, Hirofumi Miyazaki, Ariful Islam, Masaki Ogata, Yuchio Yanagawa, Dai Mitsushima, Kohji Fukunaga, and Yuji Owada
- 10444 **Presynaptic mGluRs Control the Duration of Endocannabinoid-Mediated DSI**
Phillip L.W. Colmers and Jaideep S. Bains
- 10467 **Selective Loss of Thin Spines in Area 7a of the Primate Intraparietal Sulcus Predicts Age-Related Working Memory Impairment**
Sarah E. Motley, Yael S. Grossman, William G.M. Janssen, Mark G. Baxter, Peter R. Rapp, Dani Dumitriu, and John H. Morrison
- 10489 **5-HT_{2A} Receptor-Induced Morphological Reorganization of PKC γ -Expressing Interneurons Gates Inflammatory Mechanical Allodynia in Rat**
Cristina Alba-Delgado, Sarah Mountadem, Noémie Mermet-Joret, Lénaïc Monconduit, Radhouane Dalle, Alain Artola, and Myriam Antri

- 10505 **Feedforward and Feedback Control Share an Internal Model of the Arm's Dynamics**
Rodrigo S. Maeda, Tyler Cluff, Paul L. Gribble, and J. Andrew Pruszynski
- 10515 **Encoding of Reward and Decoding Movement from the Frontal Eye Field during Smooth Pursuit Eye Movements**
Adi Lixenberg and Mati Joshua
- 10525 **Phase Synchronicity of μ -Rhythm Determines Efficacy of Interhemispheric Communication Between Human Motor Cortices**
Maria-Ioanna Stefanou, Debora Desideri, Paolo Belardinelli, Christoph Zrenner, and Ulf Ziemann
- 10566 **Global Connectivity and Function of Descending Spinal Input Revealed by 3D Microscopy and Retrograde Transduction**
Zimei Wang, Brian Maunze, Yunfang Wang, Pantelis Tsoufas, and Murray G. Blackmore

BEHAVIORAL/COGNITIVE

- 10438 **Specifying a Causal Role for Angular Gyrus in Autobiographical Memory**
Heidi M. Bonnici, Lucy G. Cheke, Deborah A.E. Green, Thomas H.M.B. FitzGerald, and Jon S. Simons
- 10552 **Phosphocreatine Levels in the Left Thalamus Decline during Wakefulness and Increase after a Nap**
Ali Gordji-Nejad, Andreas Matusch, Shumei Li, Tina Kroll, Simone Beer, David Elmenhorst, and Andreas Bauer

NEUROBIOLOGY OF DISEASE

- 10479 **Changes in Brainstem Pain Modulation Circuitry Function over the Migraine Cycle**
Kasia K. Marciszewski, Noemi Meylakh, Flavia Di Pietro, Emily P. Mills, Vaughan G. Macefield, Paul M. Macey, and Luke A. Henderson

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