



Cover legend: The image shows a portion of the mouse corpus callosum 10 days after focal demyelination by injection with lysolecithin. The mouse was treated with the pro-remyelinating, selective estrogen receptor modulator bazedoxifene, and it shows clear remyelination, as indicated by immunostaining for myelin oligodendrocyte glycoprotein (green) and increased numbers of oligodendrocytes (red) within the lesion borders. Cell nuclei were identified by DAPI (blue). For more information, see article by Rankin et al. (pages 2184–2194).

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Journal Club

- 2160 Molecular Underpinnings of Estradiol-Mediated Sexual Dimorphism of Synaptic Plasticity in the Hippocampus of Rodents**
Edgar Bäuml, Lauren Strickland, and Lucia Privitera

Research Articles

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- 2163 Light-Activated ROS Production Induces Synaptic Autophagy**
Sheila Hoffmann, Marta Orlando, Ewa Andrzejak, Christine Bruns, Thorsten Trimbuch, Christian Rosenmund, Craig C. Garner, and Frauke Ackermann
- 2184 Selective Estrogen Receptor Modulators Enhance CNS Remyelination Independent of Estrogen Receptors**
Kelsey A. Rankin, Feng Mei, Kicheol Kim, Yun-An A. Shen, Sonia R. Mayoral, Caroline Desponts, Daniel S. Lorrain, Ari J. Green, Sergio E. Baranzini, Jonah R. Chan, and Riley Bove

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- 2195 Conditional Inactivation of Pen-2 in the Developing Neocortex Leads to Rapid Switch of Apical Progenitors to Basal Progenitors**
Shanshan Cheng, Tingting Liu, Yimin Hu, Yingqian Xia, Jinxing Hou, Chaoli Huang, Xiaochuan Zou, Juan Liang, Yun Stone Shi, Yuanlin Zheng, Jun Lu, and Guiquan Chen

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- 2221 Voltage-Dependent Membrane Properties Shape the Size But Not the Frequency Content of Spontaneous Voltage Fluctuations in Layer 2/3 Somatosensory Cortex**
Fernando R. Fernandez, Jad Noueihed, and John A. White
- 2238 Dorsal Horn Gastrin-Releasing Peptide Expressing Neurons Transmit Spinal Itch But Not Pain Signals**
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- 2276 **The Ventral Midline Thalamus Mediates Hippocampal Spatial Information Processes upon Spatial Cue Changes**
Dahee Jung, Yeowool Huh, and Jeiwon Cho
- 2291 **The Pain of Sleep Loss: A Brain Characterization in Humans**
Adam J. Krause, Aric A. Prather, Tor D. Wager, Martin A. Lindquist, and Matthew P. Walker
- 2301 **Distinct Neural Mechanisms of Spatial Attention and Expectation Guide Perceptual Inference in a Multisensory World**
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NEUROBIOLOGY OF DISEASE

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- 2326 **Regulatory T Cells and Their Derived Cytokine, Interleukin-35, Reduce Pain in Experimental Autoimmune Encephalomyelitis**
Samuel S. Duffy, Brooke A. Keating, Chamini J. Perera, Justin G. Lees, Ryan S. Tonkin, Preet G.S. Makker, Pascal Carrive, Oleg Butovsky, and Gila Moalem-Taylor
- 2347 **Circuit Dysfunction in *SOD1-ALS* Model First Detected in Sensory Feedback Prior to Motor Neuron Degeneration Is Alleviated by BMP Signaling**
Aaron Held, Paxton Major, Asli Sahin, Robert A. Reenan, Diane Lipscombe, and Kristi A. Wharton

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