



Cover legend: This image shows cortical axons regenerating in the presence of Nogo-A in culture. Although Nogo-A normally inhibits axon growth, these axons were able to grow because they expressed single functional alleles of NgR1 and PlexinA2. This suggests that a genetic interaction between NgR1 and PlexinA2 is involved in Nogo-A-mediated inhibition of axon regeneration. For more information, see the article by Sekine et al. (pages 3204–3216).

3171 This Week in The Journal

Journal Club

- 3172 **How the Human Brain Segments Continuous Experience**
Angharad N. Williams, Mark Postans, and Carl J. Hodgetts

Research Articles

CELLULAR/MOLECULAR

- 3175 **Calcium Channel Subunit $\alpha 2\delta 4$ Is Regulated by Early Growth Response 1 and Facilitates Epileptogenesis**
Karen M.J. van Loo, Christine K. Rummel, Julika Pitsch, Johannes Alexander Müller, Arthur F. Bikbaev, Erick Martinez-Chavez, Sandra Blaess, Dirk Dietrich, Martin Heine, Albert J. Becker, and Susanne Schoch
- 3188 **Glutamate Receptor Trafficking and Protein Synthesis Mediate the Facilitation of LTP by Secreted Amyloid Precursor Protein-Alpha**
Bruce G. Mockett, Diane Guévremont, Megan K. Elder, Karen D. Parfitt, Katie Peppercorn, Jodi Morrissey, Anurag Singh, Timothy J. Hintz, Lisa Kochen, Susanne tom Dieck, Erin Schuman, Warren P. Tate, Joanna M. Williams, and Wickliffe C. Abraham

DEVELOPMENT/PLASTICITY/REPAIR

- 3204 **Plexina2 and CRMP2 Signaling Complex Is Activated by Nogo-A-Liganded Ngr1 to Restrict Corticospinal Axon Sprouting after Trauma**
Yuichi Sekine, Percy T. Algarate, William B.J. Cafferty, and Stephen M. Strittmatter

SYSTEMS/CIRCUITS

- 3217 **Perturbation of Macaque Supplementary Motor Area Produces Context-Independent Changes in the Probability of Movement Initiation**
Andrew J. Zimnik, Antonio H. Lara, and Mark M. Churchland
- 3234 **Optogenetic Stimulation of the M2 Cortex Reverts Motor Dysfunction in a Mouse Model of Parkinson's Disease**
Luiz Alexandre Viana Magno, Helia Tenza-Ferrer, Mélcár Collodetti, Matheus Felipe Guimarães Aguiar, Ana Paula Carneiro Rodrigues, Rodrigo Souza da Silva, Joice do Prado Silva, Nycolle Ferreira Nicolau, Daniela Valadao Freitas Rosa, Alexander Birbrair, Débora Marques Miranda, and Marco Aurélio Romano-Silva
- 3249 **Oxytocin Receptors Are Expressed by Glutamatergic Prefrontal Cortical Neurons That Selectively Modulate Social Recognition**
Yalun Tan, Sarthak M. Singhal, Scott W. Harden, Karlana M. Cahill, Dan-Tam M. Nguyen, Luis M. Colon-Perez, Todd J. Sahagian, Jeffrey S. Thinschmidt, Annette D. de Kloet, Marcelo Febo, Charles J. Frazier, and Eric G. Krause

BEHAVIORAL/COGNITIVE

- 3264 Role of Human Ventromedial Prefrontal Cortex in Learning and Recall of Enhanced Extinction**
Joseph E. Dunsmoor, Marijn C.W. Kroes, Jian Li, Nathaniel D. Daw, Helen B. Simpson, and Elizabeth A. Phelps
- 3277 The Strength of Alpha–Beta Oscillatory Coupling Predicts Motor Timing Precision**
Laetitia Grabot, Tadeusz W. Kononowicz, Tom Dupré la Tour, Alexandre Gramfort, Valérie Doyère, and Virginie van Wassenhove
- 3292 Cortical Correlates of Attention to Auditory Features**
Emily J. Allen, Philip C. Burton, Juraj Mesik, Cheryl A. Olman, and Andrew J. Oxenham
- 3301 A Protective Mechanism against Illusory Perceptions Is Amygdala-Dependent**
Franny B. Spengler, Dirk Scheele, Sabrina Kaiser, Markus Heinrichs, and René Hurlemann
- 3309 A Postdecisional Neural Marker of Confidence Predicts Information-Seeking in Decision-Making**
Kobe Desender, Peter Murphy, Annika Boldt, Tom Verguts, and Nick Yeung
- 3320 Movement Imitation via an Abstract Trajectory Representation in Dorsal Premotor Cortex**
Aaron L. Wong, Steven A. Jax, Louisa L. Smith, Laurel J. Buxbaum, and John W. Krakauer

NEUROBIOLOGY OF DISEASE

- 3332 Genetic Regulation of Neuronal Progranulin Reveals a Critical Role for the Autophagy-Lysosome Pathway**
Lisa P. Elia, Amanda R. Mason, Amela Alijagic, and Steven Finkbeiner
- 3345 A Subpopulation of Amygdala Neurons Mediates the Affective Component of Itch**
Kristen M. Sanders, Kent Sakai, Tyler D. Henry, Takashi Hashimoto, and Tasuku Akiyama
- 3357 *Erratum:*** The article “Endocannabinoid-Specific Impairment in Synaptic Plasticity in Striatum of Huntington’s Disease Mouse Model” by Marja D. Sepers, Amy Smith-Dijak, Jeff LeDue, Karolina Kolodziejczyk, Ken Mackie, and Lynn A. Raymond, appeared on pages 544–554 of the January 17, 2018 issue. An erratum for this article appears on p. 3357.
- Erratum:*** This Week in the Journal appeared on page 577 of the January 23, 2019 issue. An erratum for this article appears on p. 3357.

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