



Cover legend: Nerves (green), glial cells (blue), and neurotransmitter receptors (red) interact closely during synapse formation. This is an image of developing neuromuscular junctions in mouse embryos. For more information, see the article by Barik et al. (pages 9770–9781).

i This Week in The Journal

Journal Club

- 9757 **Monocyte-Derived Macrophages Modulate Inflammation and Promote Long-Term Functional Recovery in a Mouse Model of Ischemia**
Adam Kovacs-Litman and Ilan Vonderwalde
- 9760 **A Schwanncentric View of Axon Arborization in Neuromuscular Junction (NMJ) Formation**
Alexandria N. Hughes, Alison M. Hixon, and Megan Josey

Brief Communications

- 9763 **Heteromodal Cortical Areas Encode Sensory-Motor Features of Word Meaning**
Leonardo Fernandino, Colin J. Humphries, Lisa L. Conant, Mark S. Seidenberg, and Jeffrey R. Binder

Articles

CELLULAR/MOLECULAR

- 9770 **Schwann Cells in Neuromuscular Junction Formation and Maintenance**
Arnab Barik, Lei Li, Anupama Sathyamurthy, Wen-Cheng Xiong, and Lin Mei
- 9792 **DDX3 Modulates Neurite Development via Translationally Activating an RNA Regulon Involved in Rac1 Activation**
Hung-Hsi Chen, Hsin-I Yu, and Woan-Yuh Tarn

DEVELOPMENT/PLASTICITY/REPAIR

- 9962 **Interfering with the Chronic Immune Response Rescues Chronic Degeneration After Traumatic Brain Injury**
Ali Ertürk, Susanne Mentz, Erik E. Stout, Maj Hedehus, Sara L. Dominguez, Lisa Neumaier, Franziska Krammer, Gemma Llovera, Karpagam Srinivasan, David V. Hansen, Arthur Liesz, Kimberly A. Scarce-Levie, and Morgan Sheng

SYSTEMS/CIRCUITS

- 9782 **Involvement of Spinal IL-6 *Trans*-Signaling in the Induction of Hyperexcitability of Deep Dorsal Horn Neurons by Spinal Tumor Necrosis Factor-Alpha**
Christian König, Eric Morch, Annett Eitner, Christian Möller, Brian Turnquist, Hans-Georg Schaible, and Andrea Ebersberger

- 9805 **Pattern Adaptation and Normalization Reweighting**
Zachary M. Westrick, David J. Heeger, and Michael S. Landy
- 9859 **Optimized Parallel Coding of Second-Order Stimulus Features by Heterogeneous Neural Populations**
Chengjie G. Huang and Maurice J. Chacron
- 9888 **Eye Can Hear Clearly Now: Inverse Effectiveness in Natural Audiovisual Speech Processing Relies on Long-Term Crossmodal Temporal Integration**
Michael J. Crosse, Giovanni M. Di Liberto, and Edmund C. Lalor
- 9908 **Slow Temporal Integration Enables Robust Neural Coding and Perception of a Cue to Sound Source Location**
Andrew D. Brown and Daniel J. Tollin
- 9922 **The Nature of the Sensory Input to the Neonatal Rat Barrel Cortex**
Dinara Akhmetshina, Azat Nasretdinov, Andrei Zakharov, Guzel Valeeva, and Roustem Khazipov

BEHAVIORAL/COGNITIVE

- 9828 **Adult Brain Serotonin Deficiency Causes Hyperactivity, Circadian Disruption, and Elimination of Siestas**
Meredith Sorenson Whitney, Ashley M. Shemery, Alexandra M. Yaw, Lauren J. Donovan, J. David Glass, and Evan S. Deneris
- 9843 **Necessary Contributions of Human Frontal Lobe Subregions to Reward Learning in a Dynamic, Multidimensional Environment**
Avinash R. Vaidya and Lesley K. Fellows
- 9937 **Stress-Induced Reinstatement of Nicotine Preference Requires Dynorphin/Kappa Opioid Activity in the Basolateral Amygdala**
Stephanie K. Nygard, Nicholas J. Hourguettes, Gabe G. Sobczak, William A. Carlezon, and Michael R. Bruchas
- 9949 **Ventral Tegmental Area Dopamine Cell Activation during Male Rat Sexual Behavior Regulates Neuroplasticity and D-Amphetamine Cross-Sensitization following Sex Abstinence**
Lauren N. Beloate, Azar Omrani, Roger A. Adan, Ian C. Webb, and Lique M. Coolen

NEUROBIOLOGY OF DISEASE

- 9817 **Dysregulated NMDA-Receptor Signaling Inhibits Long-Term Depression in a Mouse Model of Fragile X Syndrome**
Anna Karina Hugger Toft, Camilla Johanne Lundbye, and Tue G. Banke
- 9873 **The Role of Primary Motor Cortex (M1) Glutamate and GABA Signaling in L-DOPA-Induced Dyskinesia in Parkinsonian Rats**
David Lindenbach, Melissa M. Conti, Corinne Y. Ostock, Jessica A. George, Adam A. Goldenberg, Mitchell Melikhov-Sosin, Emily E. Nuss, and Christopher Bishop
- 9896 **Reduced Efficacy of Anti-A β Immunotherapy in a Mouse Model of Amyloid Deposition and Vascular Cognitive Impairment Comorbidity**
Erica M. Weekman, Tiffany L. Sudduth, Carly N. Caverly, Timothy J. Kopper, Oliver W. Phillips, Dave K. Powell, and Donna M. Wilcock

9933 Calpain Activation in Alzheimer's Model Mice Is an Artifact of APP and Presenilin Overexpression

Takashi Saito, Yukio Matsuba, Naomi Yamazaki, Shoko Hashimoto, and Takaomi C. Saido

Persons interested in becoming members of the Society for Neuroscience should contact the Membership Department, Society for Neuroscience, 1121 14th St., NW, Suite 1010, Washington, DC 20005, phone 202-962-4000.

Instructions for Authors are available at <http://www.jneurosci.org/misc/itoa.shtml>. Authors should refer to these Instructions online for recent changes that are made periodically.

Submissions should be submitted online using the following url: <http://jneurosci.msubmit.net>. Please contact the Central Office, via phone, fax, or e-mail with any questions. Our contact information is as follows: phone, 202-962-4000; e-mail, jn@sfn.org.