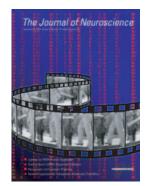
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Cover picture: Encoding of natural scene movies by tonic and burst spikes in the lateral geniculate nucleus (LGN). The background shows typical responses of X-cells from the cat LGN to natural scene movie stimuli. The foreground shows successive frames from a natural scene movie, with the spatial extent of the receptive field of a typical neuron denoted by white circles. For details, see the article by Lesica and Stanley in this issue (pages 10731–10740).

i This Week in The Journal

Brief Communications

10579	Visual Experience Regulates Transient Expression and Dendritic Localization of
	Fragile X Mental Retardation Protein
	Lisa A. Gabel, Sandra Won, Hideki Kawai, Margaret McKinney,
	Alan M. Tartakoff, and Justin R. Fallon
10687	Decreased Synaptic Activity Shifts the Calcium Dependence of Release at the
	Mammalian Neuromuscular Junction In Vivo
	Xueyong Wang, Kathrin L. Engisch, Yingjie Li, Martin J. Pinter, Timothy C. Cope, and Mark M. Rich
10702	Control of Attention Shifts between Vision and Audition in Human Cortex Sarah Shomstein and Steven Yantis
10726	A Role of Ventral Tegmental Area Glutamate in Contextual Cue-Induced Relapse to
	Heroin Seeking
	Jennifer M. Bossert, Shirley Y. Liu, Lin Lu, and Yavin Shaham
A	lee .

Articles

CELLULAR/MOLECULAR

10616	Peroxynitrite-Induced Neuronal Apoptosis Is Mediated by Intracellular Zinc Release and 12-Lipoxygenase Activation Yumin Zhang, Hong Wang, Jianrong Li, Daniel A. Jimenez, Edwin S. Levitan, Elias Aizenman, and Paul A. Rosenberg
10628	Estrogen Receptor (ER)β Isoforms Rather Than ERα Regulate Corticotropin- Releasing Hormone Promoter Activity through an Alternate Pathway William J. Schouler Miller, Shotaro Suzuki, Lydia K. Miller, Robert Handa, and Rosalie M. Uht
10652	Mechanisms Underlying Differential D1 versus D2 Dopamine Receptor Regulation of Inhibition in Prefrontal Cortex Heather Trantham-Davidson, Laurence C. Neely, Antonieta Lavin, and Jeremy K. Seamans
10679	Ethanol Potentiation of GABAergic Synaptic Transmission May Be Self-Limiting: Role of Presynaptic GABA _B Receptors Olusegun J. Ariwodola and Jeffrey L. Weiner
10707	Prefrontal Cortex Stimulation Induces 2-Arachidonoyl-Glycerol-Mediated Suppression of Excitation in Dopamine Neurons Miriam Melis, Simona Perra, Anna Lisa Muntoni, Giuliano Pillolla, Beat Lutz, Giovanni Marsicano, Vincenzo Di Marzo, Gian Luigi Gessa, and Marco Pistis

10716	Activation of the cGMP Pathway in Dopaminergic Structures Reduces Cocaine-Induced EGR-1 Expression and Locomotor Activity Peggy Jouvert, Marie-Odile Revel, Anelise Lazaris, Dominique Aunis, Keith Langley, and Jean Zwiller
10750	Regulation of HCN Channel Surface Expression by a Novel C-Terminal Protein–Protein Interaction Bina Santoro, Brian J. Wainger, and Steven A. Siegelbaum
DEVELO	OPMENT/PLASTICITY/REPAIR
10584	Calcium-Independent Calcium/Calmodulin-Dependent Protein Kinase II in the Adult Drosophila CNS Enhances the Training of Pheromonal Cues Jennifer E. Mehren and Leslie C. Griffith
10741	Brain-Derived Neurotrophic Factor Regulation of Retinal Growth Cone Filopodial Dynamics Is Mediated through Actin Depolymerizing Factor/Cofilin Scott Gehler, Alisa E. Shaw, Patrick D. Sarmiere, James R. Bamburg, and Paul C. Letourneau
BEHAV	IORAL/SYSTEMS/COGNITIVE
10594	Induction of Δ FosB in Reward-Related Brain Structures after Chronic Stress Linda I. Perrotti, Yuki Hadeishi, Paula G. Ulery, Michel Barrot, Lisa Monteggia, Ronald S. Duman, and Eric J. Nestler
10603	Lateral Hypothalamic Signaling Mechanisms Underlying Feeding Stimulation: Differential Contributions of Src Family Tyrosine Kinases to Feeding Triggered Either by NMDA Injection or by Food Deprivation Arshad M. Khan, Herman H. Cheung, Elizabeth R. Gillard, Jennifer A. Palarca, Derek S. Welsbie, James W. Gurd, and B. Glenn Stanley
10636	Personality Predicts Brain Responses to Cognitive Demands Veena Kumari, Dominic H. ffytche, Steven C. R. Williams, and Jeffrey A. Gray
10660	Neurogranin/RC3 Enhances Long-Term Potentiation and Learning by Promoting Calcium-Mediated Signaling Kuo-Ping Huang, Freesia L. Huang, Tino Jäger, Junfa Li, Klaus G. Reymann, and Detlef Balschun
10670	Interactions between GABAergic and Cholinergic Processes in the Nucleus Pontis Oralis: Neuronal Mechanisms Controlling Active (Rapid Eye Movement) Sleep and Wakefulness Ming-Chu Xi, Francisco R. Morales, and Michael H. Chase
10693	Malfunction of Respiratory-Related Neuronal Activity in Na ⁺ , K ⁺ -ATPase α 2 Subunit-Deficient Mice Is Attributable to Abnormal Cl ⁻ Homeostasis in Brainstem Neurons Keiko Ikeda, Hiroshi Onimaru, Junko Yamada, Koichi Inoue, Shinya Ueno, Tatsushi Onaka, Hiroki Toyoda, Akiko Arata, Tomo-o Ishikawa, Makoto M. Taketo, Atsuo Fukuda, and Kiyoshi Kawakami
10731	Encoding of Natural Scene Movies by Tonic and Burst Spikes in the Lateral Geniculate Nucleus Nicholas A. Lesica and Garrett B. Stanley
NEURO	BIOLOGY OF DISEASE
10642	Intracerebral Transplantation of Adult Mouse Neural Progenitor Cells into the Niemann–Pick-A Mouse Leads to a Marked Decrease in Lysosomal Storage Pathology L. S. Shihabuddin, S. Numan, M. R. Huff, J. C. Dodge, J. Clarke, S. L. Macauley, W. Yang, T. V. Taksir, G. Parsons, M. A. Passini, F. H. Gage, and G. R. Stewart

10763	Hypoxia–Ischemia Induces DNA Synthesis without Cell Proliferation in Dying Neurons in Adult Rodent Brain Chia-Yi Kuan, Aryn J. Schloemer, Aigang Lu, Kevin A. Burns, Wei-Lan Weng, Michael T. Williams, Kenneth I. Strauss, Charles V. Vorhees, Richard A. Flavell, Roger J. Davis, Frank R. Sharp, and Pasko Rakic
	<i>Correction:</i> For the article "Hypothermia-Associated Loss of Dendritic Spines," by Martijn Roelandse and Andrew Matus, which appeared on pages 7843–7847 of the September 8, 2004 issue, the authors would like to direct readers to the following reference, which reports similar phenomena:
	Kirov SA, Petrak LJ, Fiala JC, Harris KM (2004) Dendritic spines disappear with chilling but proliferate excessively upon rewarming of mature hippocampus. Neuroscience 127:69 – 80.
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