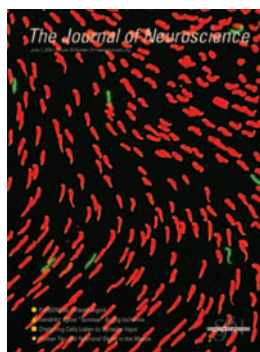


The Journal of Neuroscience

June 1, 2005 • Volume 25 Number 22 www.jneurosci.org



Cover picture: Among mammals, only primates have trichromatic color vision based on three spectral cone types: S-cones, M-cones, and L-cones. All other mammals have only S-cones and L-cones, and they are, therefore, dichromats. The cover picture shows the mosaic of S-cones (in green) and L-cones (in red) in the dorsal retina of the mouse. The retinal circuitry subserving color vision in nonprimate mammals is not yet known, and the article by Haverkamp et al. in this issue (pages 5438–5445) describes an S-cone-selective bipolar cell of the mouse retina. This bipolar cell was labeled in a transgenic mouse line in which Clomeleon, a chloride-sensitive fluorescent protein, is expressed under the control of the *thy1* promoter. The S-cone-selective circuits of the mouse and of the primate retina are very similar and represent the phylogenetically old color system common to all mammals.

i This Week in The Journal

Brief Communications

- 5333 **Rapid Reversible Changes in Dendritic Spine Structure *In Vivo* Gated by the Degree of Ischemia**
Shengxiang Zhang, Jamie Boyd, Kerry Delaney, and Timothy H. Murphy
- 5351 **Impaired Motor Learning in Mice Expressing TorsinA with the DYT1 Dystonia Mutation**
Nutan Sharma, Mark G. Baxter, Jeremy Petravicz, D. Cristopher Bragg, Alonna Schienda, David G. Standaert, and Xandra O. Breakefield
- 5376 **DNA Methylation Status of *SOX10* Correlates with Its Downregulation and Oligodendrocyte Dysfunction in Schizophrenia**
Kazuya Iwamoto, Miki Bundo, Kazuo Yamada, Hitomi Takao, Yoshimi Iwayama-Shigeno, Takeo Yoshikawa, and Tadafumi Kato

Articles

CELLULAR/MOLECULAR

- 5404 **Odorant-Induced Activation of Extracellular Signal-Regulated Kinase/Mitogen-Activated Protein Kinase in the Olfactory Bulb Promotes Survival of Newly Formed Granule Cells**
Naofumi Miwa and Daniel R. Storm
- 5430 **The Double-Time Protein Kinase Regulates the Subcellular Localization of the *Drosophila* Clock Protein Period**
Shawn A. Cyran, Georgia Yiannoulos, Anna M. Buchsbaum, Lino Saez, Michael W. Young, and Justin Blau
- 5455 **ProBDNF Induces Neuronal Apoptosis via Activation of a Receptor Complex of p75^{NTR} and Sortilin**
Henry K. Teng, Kenneth K. Teng, Ramee Lee, Saundrene Wright, Seema Tevar, Ramiro D. Almeida, Pouneh Kermani, Risa Torkin, Zhe-Yu Chen, Francis S. Lee, Rosemary T. Kramer, Anders Nykjaer, and Barbara L. Hempstead

DEVELOPMENT/PLASTICITY/REPAIR

- 5280 **Depolarizing GABA Acts on Intrinsically Bursting Pyramidal Neurons to Drive Giant Depolarizing Potentials in the Immature Hippocampus**
Sampsá T. Sipilä, Kristiina Huttu, Ivan Soltesz, Juha Voipio, and Kai Kaila
- 5298 **Nogo-A Interacts with the Nogo-66 Receptor through Multiple Sites to Create an Isoform-Selective Subnanomolar Agonist**
Fenghua Hu, Betty P. Liu, Stéphane Budel, Ji Liao, Joanna Chin, Alyson Fournier, and Stephen M. Strittmatter

BEHAVIORAL/SYSTEMS/COGNITIVE

- 5290 **Shared Brain Areas But Not Functional Connections Controlling Movement Timing and Order**
Gaëtan Garraux, Christopher McKinney, Tao Wu, Kenji Kansaku, Guido Nolte, and Mark Hallett
- 5305 **Light Stimulates MSK1 Activation in the Suprachiasmatic Nucleus via a PACAP-ERK/MAP Kinase-Dependent Mechanism**
Greg Q. Butcher, Boyoung Lee, Hai-Ying M. Cheng, and Karl Obrietan
- 5314 **Neuronal, Endocrine, and Anorexic Responses to the T-Cell Superantigen Staphylococcal Enterotoxin A: Dependence on Tumor Necrosis Factor- α**
Alba Rossi-George, Daniella Urbach, Danielle Colas, Yael Goldfarb, and Alexander W. Kusnecov
- 5323 **Dejittered Spike-Conditioned Stimulus Waveforms Yield Improved Estimates of Neuronal Feature Selectivity and Spike-Timing Precision of Sensory Interneurons**
Zane N. Aldworth, John P. Miller, Tomás Gedeon, Graham I. Cummins, and Alexander G. Dimitrov
- 5339 **Stimulus-Dependent γ (30–50 Hz) Oscillations in Simple and Complex Fast Rhythmic Bursting Cells in Primary Visual Cortex**
Jessica A. Cardin, Larry A. Palmer, and Diego Contreras
- 5356 **The Neural Correlates of Motor Skill Automaticity**
Russell A. Poldrack, Fred W. Sabb, Karin Foerde, Sabrina M. Tom, Robert F. Asarnow, Susan Y. Bookheimer, and Barbara J. Knowlton
- 5382 **Neuromagnetic Correlates of Streaming in Human Auditory Cortex**
Alexander Gutschalk, Christophe Micheyl, Jennifer R. Melcher, André Rupp, Michael Scherg, and Andrew J. Oxenham
- 5389 **Cocaine Experience Establishes Control of Midbrain Glutamate and Dopamine by Corticotropin-Releasing Factor: A Role in Stress-Induced Relapse to Drug Seeking**
Bin Wang, Yavin Shaham, Dawnya Zitzman, Soraya Azari, Roy A. Wise, and Zhi-Bing You
- 5397 **Shifts of Effective Connectivity within a Language Network during Rhyming and Spelling**
Tali Bitan, James R. Booth, Janet Choy, Douglas D. Burman, Darren R. Gitelman, and M.-Marsel Mesulam
- 5413 **Relearning Sound Localization with a New Ear**
Marc M. Van Wanrooij and A. John Van Opstal
- 5425 **Common Encoding of Novel Dynamic Loads Applied to the Hand and Arm**
Paul R. Davidson, Daniel M. Wolpert, Stephen H. Scott, and J. Randall Flanagan
- 5438 **The Primordial, Blue-Cone Color System of the Mouse Retina**
Silke Haverkamp, Heinz Wässle, Jens Duebel, Thomas Kuner, George J. Augustine, Guoping Feng, and Thomas Euler

NEUROBIOLOGY OF DISEASE

- 5273 **Neuropeptide Y Protects against Methamphetamine-Induced Neuronal Apoptosis in the Mouse Striatum**
Nathalie Thiriet, Xiaolin Deng, Marcello Solinas, Bruce Ladenheim, Wendy Curtis, Steven R. Goldberg, Richard D. Palmiter, and Jean Lud Cadet
- 5365 **The Generation of a 17 kDa Neurotoxic Fragment: An Alternative Mechanism by which Tau Mediates β -Amyloid-Induced Neurodegeneration**
So-Young Park and Adriana Ferreira
- 5446 **Cell-Cycle Reentry and Cell Death In Transgenic Mice Expressing Nonmutant Human Tau Isoforms**
Cathy Andorfer, Christopher M. Acker, Yvonne Kress, Patrick R. Hof, Karen Duff, and Peter Davies

Addendum: In the article “Altered Neuronal Mitochondrial Coenzyme A Synthesis in Neurodegeneration with Brain Iron Accumulation Caused by Abnormal Processing, Stability, and Catalytic Activity of Mutant Pantothenate Kinase 2,” by Paul T. Kotzbauer, Adam C. Truax, John Q. Trojanowski, and Virginia M.-Y. Lee, which appeared on pages 689–698 of the January 19, 2005 issue, the data indicate that translation initiation from a CTG codon 330 nucleotides downstream of the ATG codon does not occur when using the cDNA that the authors and others have amplified from human brain. However, there is evidence to support the existence of transcripts in humans that do not contain the ATG codon and use this CTG start site (Johnson et al., 2004). Thus different translation initiation sites may be used because of the existence of alternate transcripts, and additional work is needed to understand the potential alternate transcription and translation initiation sites for human PanK2.

Johnson MA, Kuo YM, Westaway SK, Parker SM, Ching KH, Gitschier J, Hayflick SJ (2004) Mitochondrial localization of human PANK2 and hypotheses of secondary iron accumulation in pantothenate kinase-associated neurodegeneration. *Ann NY Acad Sci* 1012:282–298.

Correction: In the article “Differential Regulation of AMPA Receptor and GABA Receptor Trafficking by Tumor Necrosis Factor- α ,” by David Stellwagen, Eric C. Beattie, Jae Y. Seo, and Robert C. Malenka, which appeared on pages 3219–3228 of the March 23, 2005 issue, the concentration of TNF α given throughout the paper (60 nM) is incorrect. The correct concentration was 100 ng/ml (2 nM), except for slice experiments, for which the concentration was 1 μ g/ml (20 nM). These corrections do not affect the conclusions of the paper.

Persons interested in becoming members of the Society for Neuroscience should contact the Membership Department, Society for Neuroscience, 11 Dupont Circle, NW, Suite 500, Washington, DC 20036, phone 202-462-6688.

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.

Brief Communications Instructions for Authors are available via Internet (<http://www.sfn.org/content/Publications/TheJournalofNeuroscience/BriefComm/ifa.html>).

Submissions should be submitted online using the following url: <http://sfn.manuscriptcentral.com>. Please contact the Central Office, via phone, fax, or e-mail with any questions. Our contact information is as follows: phone, 202-462-6688; fax, 202-462-1547; e-mail, jn@sfn.org.