Journal Club

10935 Do the Medial Temporal Lobes Resolve Perceptual Interference?  
Bronson Harry, Mark Postans, and Katja Umla-Runge

Brief Communications

11070 Thalamocortical Mechanisms for the Anteriorization of Alpha Rhythms during Propofol-Induced Unconsciousness  
Sujith Vijayan, ShiNung Ching, Patrick L. Purdon, Emery N. Brown, and Nancy J. Kopell

11206 An Essential Role for Inhibitor-2 Regulation of Protein Phosphatase-1 in Synaptic Scaling  
Benjamin A. Siddoway, Haider Altimimi, Hailong Hou, Ronald S. Petralia, Bo Xu, David Stellwagen, and Houhui Xia

11221 Individual Variability in Location Impacts Orthographic Selectivity in the “Visual Word Form Area”  
Laurie S. Glezer and Maximilian Riesenhuber

11276 Downregulation of Cortical Inhibition Mediates Ocular Dominance Plasticity during the Critical Period  
Wen-pei Ma, Ya-tang Li, and Huizhong Whit Tao

11296 A Functionally Guided Approach to the Morphometry of Occipitotemporal Regions in Developmental Dyslexia: Evidence for Differential Effects in Boys and Girls  
Irene Altarelli, Karla Monzalvo, Stephanie Iannuzzi, Joel Fluss, Catherine Billard, Franck Ramus, and Ghislaine Dehaene-Lambertz

Articles

CELLULAR/MOLECULAR

10950 Genetic Deletion of Cadm4 Results in Myelin Abnormalities Resembling Charcot-Marie-Tooth Neuropathy  
Neev Golan, Elena Kartvelishvily, Ivo Spiegel, Daniela Salomon, Helena Sabanay, Katya Rechav, Anya Vainshtein, Shahar Frechter, Galia Maik-Rachline, Yael Eshed-Eisenbach, Takashi Momoi, and Elior Peles

11002 Role of Nociceptor αCaMKII in Transition from Acute to Chronic Pain (Hyperalgesic Priming) in Male and Female Rats  
Luiz F. Ferrari, Oliver Bogen, and Jon D. Levine
Modulation of Distal Calcium Electrogenesis by Neuropeptide Y Receptors Inhibits Neocortical Long-Term Depression
Trevor J. Hamilton, Sara Xapelli, Sheldon D. Michaelson, Matthew E. Larkum, and William F. Colmers

The Interface between Membrane-Spanning and Cytosolic Domains in Ca^{2+}-Dependent K^+ Channels Is Involved in β Subunit Modulation of Gating
Xiaohui Sun, Jingyi Shi, Kelli Delaloye, Xiao Yang, Huanghe Yang, Guohui Zhang, and Jianmin Cui

Tissue-Nonspecific Alkaline Phosphatase Acts Redundantly with PAP and NT5E to Generate Adenosine in the Dorsal Spinal Cord
Sarah E. Street, Nicholas J. Kramer, Paul L. Walsh, Bonnie Taylor-Blake, Manisha C. Yadav, Ian F. King, Pirkko Vihko, R. Mark Wightman, José Luis Millán, and Mark J. Zylka

Development/Plasticity/Repair

PIP_3 Regulates Spinule Formation in Dendritic Spines during Structural Long-Term Potentiation
Yoshibumi Ueda and Yasunori Hayashi

cAMP-Induced Expression of Neuropilin1 Promotes Retinal Axon Crossing in the Zebrafish Optic Chiasm
Alison L. Dell, Emma Fried-Cassorla, Hong Xu, and Jonathan A. Raper

A Multilevel Screening Strategy Defines a Molecular Fingerprint of Proregenerative Olfactory Ensheathing Cells and Identifies SCARB2, a Protein That Improves Regenerative Sprouting of Injured Sensory Spinal Axons
Kasper C. D. Roet, Elske H. P. Franssen, Frederik M. de Bree, Anke H. W. Essing, Sjirk-Jan J. Zijlstra, Nitish D. Fagoe, Hannah M. Eggink, Ruben Eggers, August B. Smit, Ronald E. van Kesteren, and Joost Verhaagen

Systems/Circuits

Two-Photon Imaging of Nonlinear Glutamate Release Dynamics at Bipolar Cell Synapses in the Mouse Retina
Bart G. Borghuis, Jonathan S. Marvin, Loren L. Looger, and Jonathan B. Demb

Binaural Gain Modulation of Spectrotemporal Tuning in the Interaural Level Difference-Coding Pathway
Louisa J. Steinberg, Brian J. Fischer, and Jose L. Peña

Contrast Dependence and Differential Contributions from Somatostatin- and Parvalbumin-Expressing Neurons to Spatial Integration in Mouse V1
Hendrikje Nienborg, Andrea Hasenstaub, Ian Nauhaus, Hiroki Taniguchi, Z. Josh Huang, and Edward M. Callaway

Heterogeneous Attractor Cell Assemblies for Motor Planning in Premotor Cortex
Maurizio Mattia, Pierpaolo Pani, Giovanni Mirabelli, Stefania Costa, Paolo Del Giudice, and Stefano Ferraina

Resting-State Functional Connectivity Emerges from Structurally and Dynamically Shaped Slow Linear Fluctuations
Gustavo Deco, Adrián Ponce-Alvarez, Dante Mantini, Gian Luca Romani, Patric Hagmann, and Maurizio Corbetta

Transcranial Alternating Current Stimulation Modulates Large-Scale Cortical Network Activity by Network Resonance
Mohsin M. Ali, Kristin K. Sellers, and Flavio Fröhlich
Strong Correlations between Sensitivity and Variability Give Rise to Constant Discrimination Thresholds across the Otolith Afferent Population
Mohsen Jamali, Jerome Carriot, Maurice J. Chacron, and Kathleen E. Cullen

Mechanisms for Extracting a Signal from Noise as Revealed through the Specificity, and Generality of Task Training
Dorita H. F. Chang, Zoe Kourtzi, and Andrew E. Welchman

Spatial Stream Segregation by Auditory Cortical Neurons
John C. Middlebrooks and Peter Bremen

Enhanced Visual Cortical Activation for Emotional Stimuli is Preserved in Patients with Unilateral Amygdala Resection
E. Kale Edmiston, Maureen McHugo, Mildred S. Dukic, Stephen D. Smith, Bassel Abou-Khalil, Erica Eggers, and David H. Zald

Ventromedial Prefrontal Cortex Encodes Emotional Value
Amy Winecoff, John A. Clithero, R. McKell Carter, Sara R. Bergman, Lihong Wang, and Scott A. Huettel

Individual Differences in Novelty Seeking Predict Subsequent Vulnerability to Social Defeat through a Differential Epigenetic Regulation of Brain-Derived Neurotrophic Factor Expression
Florian Duclot and Mohamed Kabbaj

Neural Correlates of Short-Term Memory Reorganization in Humans with Hippocampal Damage
Carsten Finke, Hannah Bruehl, Emrah Düzel, Hauke R. Heekeren, and Christoph J. Ploner

A Mechanism for Frequency Modulation in Songbirds Shared with Humans
Ana Amador and Daniel Margoliash

Expectation and Attention in Hierarchical Auditory Prediction
Srivats Chennu, Valdas Noreika, David Gueorguiev, Alejandro Blenkmann, Silvia Kochen, Agustin Ibáñez, Adrian M. Owen, and Tristan A. Bekinschtein

Long-Range Temporal Correlations in Resting-State Alpha Oscillations Predict Human Timing-Error Dynamics
Dirk J. A. Smit, Klaus Linkenkaer-Hansen, and Eco J. C. de Geus

Reward Value-Contingent Changes of Visual Responses in the Primate Caudate Tail Associated with a Visuomotor Skill
Shinya Yamamoto, Hyoung F. Kim, and Okihide Hikosaka

Working Memory Impairment in Calcineurin Knock-out Mice Is Associated with Alterations in Synaptic Vesicle Cycling and Disruption of High-Frequency Synaptic and Network Activity in Prefrontal Cortex
Jeffrey R. Cottrell, Jonathan M. Levenson, Sung Hyun Kim, Helen E. Gibson, Kristen A. Richardson, Michael Sivula, Bing Li, Crystle J. Ashford, Karen A. Heindl, Ryan J. Babcock, David M. Rose, Chris M. Hempel, Kjertesten A. Wiig, Pascal Laeng, Margaret E. Levin, Timothy A. Ryan, and David J. Gerber

Kalirin-7 Mediates Cocaine-Induced AMPA Receptor and Spine Plasticity, Enabling Incentive Sensitization
Xiaoting Wang, Michael E. Cahill, Craig T. Werner, Daniel J. Christoffel, Sam A. Golden, Zhong Xie, Jessica A. Loweth, Michela Marinelli, Scott J. Russo, Peter Penzes, and Marina E. Wolf
Early Activation of Ventral Hippocampus and Subiculum during Spontaneous Seizures in a Rat Model of Temporal Lobe Epilepsy
Izumi Toyoda, Mark R. Bower, Fernando Leyva, and Paul S. Buckmaster

Palmitoylation of Amyloid Precursor Protein Regulates Amyloidogenic Processing in Lipid Rafts
Raja Bhattacharyya, Cory Barren, and Dora M. Kovacs

Keeping Your Head On Target
Aasef G. Shaikh, Aaron L. Wong, David S. Zee, and H. A. Jinnah

Correction: The article “Anandamide–CB, Receptor Signaling Contributes to Postnatal Ethanol-Induced Neonatal Neurodegeneration, Adult Synaptic, and Memory Deficits” by Shivakumar Subbanna, Madhu Shivakumar, Delphine Psychoyos, Shan Xie, and Balapal S. Basavarajappa appeared on pages 6350–6366 of the April 10, 2013 issue. A correction for that article appears on page 11323.

Retraction: The article "Requirement for Protein Synthesis at Developing Synapses" by Joseph Sebeo, Kuangfu Hsiao, Ozlem Bordagi, Dani Dumitriu, Yongchao Ge, Qiang Zhou, and Deanna L. Benson appeared on pages 9778–9793 of the August 5, 2009 issue. A retraction for that article appears on page 11324.

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.

Brief Communications Instructions for Authors are available via Internet (http://www.jneurosci.org/misc/ifa_bc.shtml).

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; fax, 202-962-4945; e-mail, jn@sfn.org.