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Cover legend: Electromyograph recordings from the diaphragm muscle as a rat sniffs odors. These recordings were not taken simultaneously, but display the variability in sniffing behavior across different behaviors. Rats adjust their sniff strategies to detect components of mixtures depending on the sorptiveness of the target odor. The rat in the pictures is sniffing perfume. For more information, see the article by Rojas-Líbano and Kay (pages 15577-15589)

This Week in The Journal

#### **Brief Communications**

Reduction of Synaptojanin 1 Ameliorates Synaptic and Behavioral Impairments in a Mouse Model of Alzheimer's Disease Laura Beth J. McIntire, Diego E. Berman, Jennifer Myaeng, Agnieszka Staniszewski, Ottavio Arancio, Gilbert Di Paolo, and Tae-Wan Kim

Adaptation of Spike Timing Precision Controls the Sensitivity to Interaural Time Difference in the Avian Auditory Brainstem

Matthew H. Higgs, Marina S. Kuznetsova, and William J. Spain

#### **Articles**

#### CELLULAR/MOLECULAR

Glutamate Receptor δ2 Associates with Metabotropic Glutamate Receptor 1 (mGluR1), Protein Kinase C $\gamma$ , and Canonical Transient Receptor Potential 3 and Regulates mGluR1-Mediated Synaptic Transmission in Cerebellar **Purkinje Neurons** Akihiko S. Kato, Michael D. Knierman, Edward R. Siuda, John T. R. Isaac, Eric S. Nisenbaum, and David S. Bredt

Regulation of Neuronal Excitability by Interaction of Fragile X Mental Retardation **Protein with Slack Potassium Channels** 

Yalan Zhang, Maile R. Brown, Callen Hyland, Yi Chen, Jack Kronengold, Matthew R. Fleming, Andrea B. Kohn, Leonid L. Moroz, and Leonard K. Kaczmarek

Localized Calcineurin Confers Ca<sup>2+</sup>-Dependent Inactivation on Neuronal L-Type 15328 Ca<sup>2+</sup> Channels

Seth F. Oliveria, Philip J. Dittmer, Dong-ho Youn, Mark L. Dell'Acqua, and William A. Sather

Leptin Regulates Dopamine Responses to Sustained Stress in Humans Paul R. Burghardt, Tiffany M. Love, Christian S. Stohler, Colin Hodgkinson, Pei-Hong Shen, Mary-Anne Enoch, David Goldman, and Jon-Kar Zubieta

Oxytocin Promotes Long-Term Potentiation by Enhancing Epidermal Growth Factor Receptor-Mediated Local Translation of Protein Kinase Μζ Yu-Ting Lin, Chiung-Chun Huang, and Kuei-Sen Hsu

15495 Trk Activation of the ERK1/2 Kinase Pathway Stimulates Intermediate Chain Phosphorylation and Recruits Cytoplasmic Dynein to Signaling Endosomes for Retrograde Axonal Transport

David J. Mitchell, Kiev R. Blasier, Erin D. Jeffery, Mitchell W. Ross, Ashok K. Pullikuth, Dong Suo, Juyeon Park, W. Russell Smiley, Kevin W.-H. Lo, Jeffrey Shabanowitz, Christopher D. Deppmann, Jonathan C. Trinidad, Donald F. Hunt, Andrew D. Catling, and K. Kevin Pfister

15533 Cerebellar Ataxia by Enhanced Ca<sub>v</sub>2.1 Currents Is Alleviated by Ca<sup>2+</sup>-Dependent K<sup>+</sup>-Channel Activators in *Cacna1a*<sup>S218L</sup> Mutant Mice

Zhenyu Gao, Boyan Todorov, Curtis F. Barrett, Stijn van Dorp, Michel D. Ferrari, Arn M.J.M. van den Maagdenberg, Chris I. De Zeeuw, and Freek E. Hoebeek

15565 Appoptosin is a Novel Pro-Apoptotic Protein and Mediates Cell Death in Neurodegeneration

Han Zhang, Yun-wu Zhang, Yaomin Chen, Xiumei Huang, Fangfang Zhou, Weiwei Wang, Bo Xian, Xian Zhang, Eliezer Masliah, Quan Chen, Jing-Dong J. Han, Guojun Bu, John C. Reed, Francesca-Fang Liao, Ye-Guang Chen, and Huaxi Xu

#### DEVELOPMENT/PLASTICITY/REPAIR

15243 A Longitudinal Study of the Long-Term Consequences of Drinking during Pregnancy: Heavy *In Utero* Alcohol Exposure Disrupts the Normal Processes of Brain Development

Catherine Lebel, Sarah N. Mattson, Edward P. Riley, Kenneth L. Jones, Colleen M. Adnams, Philip A. May, Susan Y. Bookheimer, Mary J. O'Connor, Katherine L. Narr, Eric Kan, Zvart Abaryan, and Elizabeth R. Sowell

15377 Axon Sorting within the Spinal Cord Marginal Zone via Robo-Mediated Inhibition of N-Cadherin Controls Spinocerebellar Tract Formation
Nozomi Sakai, Ryan Insolera, Roy V. Sillitoe, Song-Hai Shi, and Zaven Kaprielian

15388 Thalamus-Derived Molecules Promote Survival and Dendritic Growth of Developing

Cortical Neurons
Haruka Sato, Yuma Fukutani, Yuji Yamamoto, Eiichi Tatara, Makoto Takemoto,

Kenji Shimamura, and Nobuhiko Yamamoto

Loss of Signal Transducer and Activator of Transcription 3 (STAT3) Signaling during Elevated Activity Causes Vulnerability in Hippocampal Neurons Sachiko Murase, Eunyoung Kim, Lin Lin, Dax A. Hoffman, and Ronald D. McKay

15590 Seizure-Induced Neuronal Death Is Suppressed in the Absence of the Endogenous Lectin Galectin-1

Vincent Bischoff, Rubén Deogracias, Françoise Poirier, and Yves-Alain Barde

#### BEHAVIORAL/SYSTEMS/COGNITIVE

15262 Axonal Conduction Block as a Novel Mechanism of Prepulse Inhibition
Anne H. Lee, Evgenia V. Megalou, Jean Wang, and William N. Frost

15277 Not Lost in Translation: Neural Responses Shared Across Languages
Christopher J. Honey, Christopher R. Thompson, Yulia Lerner, and Uri Hasson

15284 Separable Mechanisms Underlying Global Feature-Based Attention Rowena Bondarenko, Carsten N. Boehler, Christian M. Stoppel, Hans-Jochen Heinze, Mircea A. Schoenfeld, and Jens-Max Hopf

15309 Millisecond Precision Spike Timing Shapes Tactile Perception
Emily L. Mackevicius, Matthew D. Best, Hannes P. Saal, and Sliman J. Bensmaia

15338	Multisensory Representation of Frequency across Audition and Touch: High Density Electrical Mapping Reveals Early Sensory-Perceptual Coupling John S. Butler, John J. Foxe, Ian C. Fiebelkorn, Manuel R. Mercier, and Sophie Molholm
15345	Predictive and Feedback Performance Errors Are Signaled in the Simple Spike Discharge of Individual Purkinje Cells Laurentiu S. Popa, Angela L. Hewitt, and Timothy J. Ebner
15359	On the Anticipatory Precue Activity in Motor Cortex Joachim Confais, Bjørg Elisabeth Kilavik, Adrián Ponce-Alvarez, and Alexa Riehle
15403	The Impact of the Posterior Parietal and Dorsolateral Prefrontal Cortices on the Optimization of Long-Term versus Immediate Value Brian G. Essex, Sarah A. Clinton, Lucas R. Wonderley, and David H. Zald
15414	Variable Sequencing Is Actively Maintained in a Well Learned Motor Skill Timothy L. Warren, Jonathan D. Charlesworth, Evren C. Tumer, and Michael S. Brainard
15439	Modulation of CGRP-Induced Light Aversion in Wild-Type Mice by a 5-HT <sub>1B/D</sub> Agonist Eric A. Kaiser, Adisa Kuburas, Ana Recober, and Andrew F. Russo
15450	Irrational Choice under Uncertainty Correlates with Lower Striatal D <sub>2/3</sub> Receptor Binding in Rats Paul J. Cocker, Katherine Dinelle, Rick Kornelson, Vesna Sossi, and Catharine A. Winstanley
15458	The Dynamic Nature of Top-Down Signals Originating from Prefrontal Cortex: A Combined fMRI–TMS Study Taraz G. Lee and Mark D'Esposito
15467	Regulation of Motor Representation by Phase–Amplitude Coupling in the Sensorimotor Cortex  Takufumi Yanagisawa, Okito Yamashita, Masayuki Hirata, Haruhiko Kishima, Youichi Saitoh, Tetsu Goto, Toshiki Yoshimine, and Yukiyasu Kamitani
15577	Interplay between Sniffing and Odorant Sorptive Properties in the Rat Daniel Rojas-Líbano and Leslie M. Kay
15601	Cognitive-Affective Neural Plasticity following Active-Controlled Mindfulness Intervention Micah Allen, Martin Dietz, Karina S. Blair, Martijn van Beek, Geraint Rees, Peter Vestergaard-Poulsen, Antoine Lutz, and Andreas Roepstorff
15611	The Anterior Cingulate Cortex May Enhance Inhibition of Lateral Prefrontal Cortex Via m2 Cholinergic Receptors at Dual Synaptic Sites Maria Medalla and Helen Barbas
15626	The Signature of Maternal Rearing in the Methylome in Rhesus Macaque Prefrontal Cortex and T Cells Nadine Provençal, Matthew J. Suderman, Claire Guillemin, Renaud Massart, Angela Ruggiero, Dongsha Wang, Allyson J. Bennett, Peter J. Pierre, David P. Friedman, Sylvana M. Côté, Michael Hallett, Richard E. Tremblay, Stephen J. Suomi, and Moshe Szyf

#### NEUROBIOLOGY OF DISEASE

15252 Cortical Sensory Plasticity in a Model of Migraine with Aura Jeremy J. Theriot, Arthur W. Toga, Neal Prakash, Y. Sungtaek Ju, and K. C. Brennan

### 15426 A Novel BACHD Transgenic Rat Exhibits Characteristic Neuropathological Features of Huntington Disease

Libo Yu-Taeger, Elisabeth Petrasch-Parwez, Alexander P. Osmand, Adriana Redensek, Silke Metzger, Laura E. Clemens, Larry Park, David Howland, Carsten Calaminus, Xiaofeng Gu, Bernd Pichler, X. William Yang, Olaf Riess, and Huu Phuc Nguyen

### 15521 Neuroprotective Effects of Reactive Oxygen Species Mediated by BDNF-Independent Activation of TrkB

Yang Zhong Huang and James O. McNamara

## 15547 Tis21 Knock-Out Enhances the Frequency of Medulloblastoma in Patched1 Heterozygous Mice by Inhibiting the Cxcl3-Dependent Migration of Cerebellar Neurons

Stefano Farioli-Vecchioli, Irene Cinà, Manuela Ceccarelli, Laura Micheli, Luca Leonardi, Maria Teresa Ciotti, Marco De Bardi, Concezio Di Rocco, Roberto Pallini, Sebastiano Cavallaro, and Felice Tirone

15643 Correction: The article "Attention Deficit/Hyperactivity Disorder-Derived Coding Variation in the Dopamine Transporter Disrupts Microdomain Targeting and Trafficking Regulation" by Dhananjay Sakrikar, Michelle S. Mazei-Robison, Marc A. Mergy, Nathan W. Richtand, Qiao Han, Peter J. Hamilton, Erica Bowton, Aurelio Galli, Jeremy Veenstra-VanderWeele, Michael Gill, and Randy D. Blakely appeared on pages 5385–5397 of the April 18, 2012 issue. A correction for that article appears on page 15643.

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