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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 γ , 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 Ca²⁺-Dependent Inactivation on Neuronal L-Type 15328 Ca²⁺ 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_v2.1 Currents Is Alleviated by Ca²⁺-Dependent K⁺-Channel Activators in *Cacna1a*^{S218L} Mutant Mice

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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

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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

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

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15458	The Dynamic Nature of Top-Down Signals Originating from Prefrontal Cortex: A Combined fMRI–TMS Study Taraz G. Lee and Mark D'Esposito
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NEUROBIOLOGY OF DISEASE

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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

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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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