



Cover legend: This image shows a dye-filled neuron (red) in a mouse cochlear nucleus. Auditory nerve fibers with high spontaneous firing rate (magenta) innervate the cochlear nucleus and express the vesicular glutamate transporter VGLUT1 (cyan), but not VGLUT2 (yellow), in their presynaptic terminals. Depleted synaptic vesicles are replenished more quickly in these fibers than in fibers with lower spontaneous firing rates, which express VGLUT2 as well as VGLUT1. For more information see the article by Zhang et al. (pages 2729–2742).
Cover image: Ruili Xie.

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- 2631 The Metabolite Saccharopine Impairs Neuronal Development by Inhibiting the Neurotrophic Function of Glucose-6-Phosphate Isomerase**
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- 2647 Behavioral Timescale Cooperativity and Competitive Synaptic Interactions Regulate the Induction of Complex Spike Burst-Dependent Long-Term Potentiation**
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- 2662 APT1-Mediated Depalmitoylation Regulates Hippocampal Synaptic Plasticity**
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- 2690 Zcchc12-Containing Nociceptors Are Required for Noxious Heat Sensation**
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- 2716 Differential Contributions of Ventral Striatum Subregions to the Motivational and Hedonic Components of the Affective Processing of Reward**
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- 2729 Calretinin-Expressing Synapses Show Improved Synaptic Efficacy with Reduced Asynchronous Release during High-Rate Activity**
Chuangeng Zhang, Meijian Wang, Shengyin Lin, and Ruili Xie

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- 2756 **Integrated Amygdala, Orbitofrontal and Hippocampal Contributions to Reward and Loss Coding Revealed with Human Intracranial EEG**
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- 2772 **The Neural Representations of Emotional Experiences Are More Similar Than Those of Neutral Experiences**
Martina Riberto, Rony Paz, Gorana Pobric, and Deborah Talmi
- 2786 **Nicotinic Acetylcholine Receptors Expressed by Striatal Interneurons Inhibit Striatal Activity and Control Striatal-Dependent Behaviors**
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- 2804 **A Critical Period for Development of Cerebellar-Mediated Autism-Relevant Social Behavior**
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- 2824 **The ZIP3 Zinc Transporter Is Localized to Mossy Fiber Terminals and Is Required for Kainate-Induced Degeneration of CA3 Neurons**
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- 2835 **Striatal Indirect Pathway Dysfunction Underlies Motor Deficits in a Mouse Model of Paroxysmal Dyskinesia**
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