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Cover legend: This confocal image shows a cortical region of a Somatostatin-Cre+/-; Floxopatch+/mouse. Somatostatin antibody (red) colocalizes with Floxopatch GFP expression (green), indicating a tight Cre-loxP system in this conditional mouse line. The recordings show optically induced action potentials from *in vitro* cultured dorsal root ganglia with voltage sensor QuasAr2 (red trace) and whole-cell patch clamp (white trace). The close correlation of the two traces indicates the high fidelity of the voltage-sensitive fluorescence protein and the voltage activities. Cover image produced by Shan Lou. For more information, see the article by Lou et al. (pages 11059 –11073).

i This Week in The Journal

Dual Perspectives

10921 Are TMCs the Mechanotransduction Channels of Vertebrate Hair Cells?

David P. Corey and Jeffrey R. Holt

Molecular Identity of the Mechanotransduction Channel in Hair Cells: Not Quiet
 There Yet
 Zizhen Wu and Ulrich Müller

Research Articles

CELLULAR/MOLECULAR

and Adam E. Cohen

10964 Differential Expression of Munc13-2 Produces Unique Synaptic Phenotypes in the Basolateral Amygdala of C57BL/6J and DBA/2J Mice Dominic A. Gioia, Nancy J. Alexander, and Brian A. McCool

11024 $\alpha_2\delta 2$ Controls the Function and Trans-Synaptic Coupling of Ca $_v$ 1.3 Channels in Mouse Inner Hair Cells and Is Essential for Normal Hearing Barbara Fell, Stephanie Eckrich, Kerstin Blum, Tobias Eckrich, Dietmar Hecker, Gerald J. Obermair, Stefan Münkner, Veit Flockerzi, Bernhard Schick, and Jutta Engel

Light-Driven Processes Control Both Rhodopsin Maturation and Recycling in Mosquito Photoreceptors
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11059 Genetically Targeted All-Optical Electrophysiology with a Transgenic Cre-Dependent Optopatch Mouse
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11084 Oxidation of KCNB1 Potassium Channels Causes Neurotoxicity and Cognitive Impairment in a Mouse Model of Traumatic Brain Injury
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11107 A Feed-Forward Mechanism Involving the NOX Complex and RyR-Mediated Ca²⁺
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M. Tulio Núñez, Simone Di Giovanni, and Christian González-Billault

11120 Noisy Juxtacellular Stimulation *In Vivo* Leads to Reliable Spiking and Reveals High-Frequency Coding in Single Neurons

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10978 One Special Glomerulus in the Olfactory Bulb of *Xenopus laevis* Tadpoles Integrates a Broad Range of Amino Acids and Mechanical Stimuli

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10990 Uric Acid Induces Cognitive Dysfunction through Hippocampal Inflammation in Rodents and Humans

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