



Cover legend: Combinatorial expression analysis for *Heg1* (red), *Nxp1* (green), and *Pcdh8* (blue) in mouse dorsal root ganglia, reveals three distinct classes of proprioceptive muscle afferents. Image by Ira Schieren and Joriene de Nooij. (pages 4252–4267).

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Research Articles

CELLULAR/MOLECULAR

4208 Pituitary Adenylate Cyclase-Activating Polypeptide Modulates Dendritic Spine Maturation and Morphogenesis via MicroRNA-132 Upregulation

Atsuko Hayata-Takano, Toshihiko Kamo, Harui Kijima, Kaoru Seiriki, Katsuya Ogata, Yukio Ago, Takanobu Nakazawa, Yusuke Shintani, Kosuke Higashino, Kazuki Nagayasu, Norihito Shintani, Atsushi Kasai, James A. Waschek, and Hitoshi Hashimoto

4221 Semaphorin4D Induces Inhibitory Synapse Formation by Rapid Stabilization of Presynaptic Boutons via MET Coactivation

Cátia P. Frias, Jian Liang, Tom Bresser, Lisa Scheefhals, Matthijs van Kesteren, René van Dorland, Hai Yin Hu, Anna Bodzeta, Paul M.P. van Bergen en Henegouwen, Casper C. Hoogenraad, and Corette J. Wierenga

4238 The MAP1B Binding Domain of Na_v1.6 Is Required for Stable Expression at the Axon Initial Segment

Laura Solé, Jacy L. Wagnon, Elizabeth J. Akin, Miriam H. Meisler, and Michael M. Tamkun

DEVELOPMENT/PLASTICITY/REPAIR

4252 A Role for Sensory end Organ-Derived Signals in Regulating Muscle Spindle Proprioceptor Phenotype

Dawei Wu, Ira Schieren, Yingzhi Qian, Chaolin Zhang, Thomas M. Jessell, and Joriene C. de Nooij

SYSTEMS/CIRCUITS

4268 Chronic Nicotine Exposure Alters the Neurophysiology of Habenulo-Interpeduncular Circuitry

Matthew C. Arvin, Xiao-Tao Jin, Yijin Yan, Yong Wang, Matthew D. Ramsey, Veronica J. Kim, Nicole A. Beckley, Brittany A. Henry, and Ryan M. Drenan

4282 Suppressive Traveling Waves Shape Representations of Illusory Motion in Primary Visual Cortex of Awake Primate

Sandrine Chemla, Alexandre Reynaud, Matteo di Volo, Yann Zerlaut, Laurent Perrinet, Alain Destexhe, and Frédéric Chavane

4299 Cortical Electrocorticogram (ECOG) Is a Local Signal

Agrita Dubey and Supratim Ray

- 4312 **Simulated Saccadic Stimuli Suppress ON-Type Direction-Selective Retinal Ganglion Cells via Glycinergic Inhibition**
Benjamin Sivyer, Alexander Tomlinson, and W. Rowland Taylor
- 4323 **Dural Calcitonin Gene-Related Peptide Produces Female-Specific Responses in Rodent Migraine Models**
Amanda Avona, Carolina Burgos-Vega, Michael D. Burton, Armen N. Akopian, Theodore J. Price, and Gregory Dussor

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- 4332 **The Hemispheric Distribution of α -Band EEG Activity During Orienting of Attention in Patients with Reduced Awareness of the Left Side of Space (Spatial Neglect)**
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- 4344 **Age-Related Decreases in the Retrieval Practice Effect Directly Relate to Changes in Alpha-Beta Oscillations**
Catherine-Noémie Alexandrina Guran, Nora Alicia Herweg, and Nico Bunzeck
- 4353 **Corticolimbic Mechanisms of Behavioral Inhibition under Threat of Punishment**
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- 4365 **Multimodal Integration and Vividness in the Angular Gyrus During Episodic Encoding and Retrieval**
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- 4375 **The Neural Dynamics of Novel Scene Imagery**
Daniel N. Barry, Gareth R. Barnes, Ian A. Clark, and Eleanor A. Maguire

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- 4387 **CD73 Promotes Glioblastoma Pathogenesis and Enhances Its Chemoresistance via A_{2B} Adenosine Receptor Signaling**
Angela Yan, Michelle L. Joachims, Linda F. Thompson, Andrew D. Miller, Peter D. Canoll, and Margaret S. Bynoe

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