



Cover legend: Intermediate filament accumulations in spinal neurons overexpressing peripherin in absence of gigaxonin. Spinal cord section of 12-month-old *Gan^{-/-};TgPer* mouse was immunostained with antibodies against neurofilament Nefl (green), peripherin (red) and DAPI (blue). For more information, see the article by Nath and Julien (pages 4174–4189). Cover image: Jean-Pierre Julien.

3985 This Week in The Journal

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- 3986 **Objects from Motion: Moving beyond Static Images with Object Kinematograms**
Sharif Saleki and Yong Hoon Chung

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CELLULAR/MOLECULAR

- 3989 **Control of Synaptic Levels of Nicotinic Acetylcholine Receptor by the Sequestering Subunit D α 5 and Secreted Scaffold Protein Hig**
Minoru Nakayama, Osamu Nishimura, Yuhi Nishimura, Miwa Kitaichi, Shigehiro Kuraku, Masaki Sone, and Chihiro Hama

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- 4005 **Ca_v2.2 Channels Sustain Vesicle Recruitment at a Mature Glutamatergic Synapse**
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- 4033 **How Tactile Afferents in the Human Fingerpad Encode Tangential Torques Associated with Manipulation: Are Monkeys Better than Us?**
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- 4047 **Rapid Input-Output Transformation between Local Field Potential and Spiking Activity during Sensation but not Action in the Superior Colliculus**
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- 4062 **Spinal Basis of Direction Control during Locomotion in Larval Zebrafish**
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- 4075 **Structure and Function of Neuronal Circuits Linking Ventrolateral Preoptic Nucleus and Lateral Hypothalamic Area**
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4093 Somatic Integration of Incoherent Dendritic Inputs in the Gerbil Medial Superior Olive

Yarmo Mackenbach and J. Gerard G. Borst

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Jacob J. Elder, Tyler H. Davis, and Brent L. Hughes

4129 Learning a Model of Shape Selectivity in V4 Cells Reveals Shape Encoding Mechanisms in the Brain

Paria Mehrani and John K. Tsotsos

4144 A Texture Statistics Encoding Model Reveals Hierarchical Feature Selectivity across Human Visual Cortex

Margaret M. Henderson, Michael J. Tarr, and Leila Wehbe

4162 Parvalbumin-Positive Interneurons in the Medial Prefrontal Cortex Regulate Stress-Induced Fear Extinction Impairments in Male and Female Rats

Annalise N. Binette, Jianfeng Liu, Hugo Bayer, Kennedy L. Crayton, Laila Melissari, Samantha O. Sweck, and Stephen Maren

NEUROBIOLOGY OF DISEASE

4174 A New Mouse Model of Giant Axonal Neuropathy with Overt Phenotypes and Neurodegeneration Driven by Neurofilament Disorganization

Banshi Nath and Jean-Pierre Julien

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