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Cover legend: This image shows mouse mesenteric blood and lymphatic vessels (pale blue) and nerves (magenta) at postnatal day 4. Blood and lymphatic endothelial cells were stained by anti-PECAM. The extrinsic nerves innervating the gut were labeled by anti-PGP9.5. Schwann cells associated with the extrinsic nerves were marked by EGFP labeling with the Dhh::Cre driver (green). For more information, see the article by Uesaka et al. (pages 9879 –9888).

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# **Journal Club**

9783 Is There a General Role for the Monkey Oculomotor System in Perceptual Decision-Making?

Yin Li and Kamesh Krishnamurthy

### **Articles**

#### CELLULAR/MOLECULAR

 Phasic Dopamine Modifies Sensory-Driven Output of Striatal Neurons through Synaptic Plasticity
 Sebastian Wieland, Sebastian Schindler, Cathrin Huber, Georg Köhr, Manfred J. Oswald, and Wolfgang Kelsch

DOP-2 D2-Like Receptor Regulates UNC-7 Innexins to Attenuate Recurrent Sensory
 Motor Neurons during *C. elegans* Copulation
 Paola A. Correa, Todd Gruninger, and L. René García

10039 Multiple Forms of Endocannabinoid and Endovanilloid Signaling Regulate the Tonic Control of GABA Release

Sang-Hun Lee, Marco Ledri, Blanka Tóth, Ivan Marchionni, Christopher M. Henstridge, Barna Dudok, Kata Kenesei, László Barna, Szilárd I. Szabó, Tibor Renkecz, Michelle Oberoi, Masahiko Watanabe, Charles L. Limoli, George Horvai, Ivan Soltesz, and István Katona

# DEVELOPMENT/PLASTICITY/REPAIR

 9879 Neuronal Differentiation in Schwann Cell Lineage Underlies Postnatal Neurogenesis in the Enteric Nervous System
 Toshihiro Uesaka, Mayumi Nagashimada, and Hideki Enomoto

10088 Functional Magnetic Resonance Imaging of Rats with Experimental Autoimmune Encephalomyelitis Reveals Brain Cortex Remodeling Stefano Tambalo, Luca Peruzzotti-Jametti, Roberta Rigolio, Silvia Fiorini, Pietro Bontempi, Giulia Mallucci, Beatrice Balzarotti, Paola Marmiroli, Andrea Sbarbati, Guido Cavaletti, Stefano Pluchino, and Pasquina Marzola

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9823 fMRI Analysis-by-Synthesis Reveals a Dorsal Hierarchy That Extracts Surface Slant Hiroshi Ban and Andrew E. Welchman

- 9848 The Anatomical and Functional Organization of the Human Visual Pulvinar Michael J. Arcaro, Mark A. Pinsk, and Sabine Kastner
- 9872 Neural Correlate of the Thatcher Face Illusion in a Monkey Face-Selective Patch Jessica Taubert, Goedele Van Belle, Wim Vanduffel, Bruno Rossion, and Rufin Vogels
- Network Anisotropy Trumps Noise for Efficient Object Coding in Macaque Inferior Temporal Cortex
  Yueh-peng Chen (陳嶽鵬), Chia-pei Lin (林佳霈), Yu-chun Hsu (徐裕鈞), and Chou P. Hung (洪洲伯)
- 9900 Glucose Induces Slow-Wave Sleep by Exciting the Sleep-Promoting Neurons in the Ventrolateral Preoptic Nucleus: A New Link between Sleep and Metabolism Christophe Varin, Armelle Rancillac, Hélène Geoffroy, Sébastien Arthaud, Patrice Fort, and Thierry Gallopin
- 10025 Integration of Multiple Spatial Frequency Channels in Disparity-Sensitive Neurons in the Primary Visual Cortex
   Mika Baba, Kota S. Sasaki, and Izumi Ohzawa
- Local Circuits for Contrast Normalization and Adaptation Investigated with
   Two-Photon Imaging in Cat Primary Visual Cortex
   Andreas J. Keller and Kevan A. C. Martin

#### BEHAVIORAL/COGNITIVE

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- 9811 Dopaminergic Modulation of Decision Making and Subjective Well-Being Robb B. Rutledge, Nikolina Skandali, Peter Dayan, and Raymond J. Dolan
- 9836 Population Receptive Field Estimation Reveals New Retinotopic Maps in Human Subcortex
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- 9912 Attentional Selection of Feature Conjunctions Is Accomplished by Parallel and Independent Selection of Single Features Søren K. Andersen, Matthias M. Müller, and Steven A. Hillyard
- 9935 Disrupted Saccadic Corollary Discharge in Schizophrenia Katharine N. Thakkar, Jeffrey D. Schall, Stephan Heckers, and Sohee Park
- 10005 Deep Neural Networks Reveal a Gradient in the Complexity of Neural Representations across the Ventral Stream
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- Disrupted Frontoparietal Network Mediates White Matter Structure Dysfunction
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# 9966 Toll-Like Receptors and Dectin-1, a C-Type Lectin Receptor, Trigger Divergent Functions in CNS Macrophages

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# 9977 Elimination of Microglia Improves Functional Outcomes Following Extensive Neuronal Loss in the Hippocampus

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# 10058 Fyn Kinase Regulates Microglial Neuroinflammatory Responses in Cell Culture and Animal Models of Parkinson's Disease

Nikhil Panicker, Hariharan Saminathan, Huajun Jin, Matthew Neal, Dilshan S. Harischandra, Richard Gordon, Kavin Kanthasamy, Vivek Lawana, Souvarish Sarkar, Jie Luo, Vellareddy Anantharam, Anumantha G. Kanthasamy, and Arthi Kanthasamy

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