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Cover legend: This image showsthe distribution of a gadolinium-based CSF tracer in the rat brain 80 minutes after it was infused into the Cisterna Magna. The movement of the tracer through the network of perivascular spaces to the brain is driven by arterial pulsation and is reduced in prolonged hypertension, demonstrating impairment of the glymphatic system. For more information, see the article by Mortensen et al. (pages 6365–6377).

6217 This Week in The Journal

## **Journal Club**

- 6218 Importance of Lipids for Nervous System Integrity: Cooperation between Gangliosides and Sulfatides in Myelin Stability
  Giulia Bonetto and Coralie Di Scala
- Dorsal Horn PKC γ Interneurons Mediate Mechanical Allodynia through
   5-HT<sub>2A</sub>R-Dependent Structural Reorganization
   Tyler S. Nelson

### **Research Articles**

#### CELLULAR/MOLECULAR

6224 The Role of the Anion in Salt (NaCl) Detection by Mouse Taste Buds Jennifer K. Roebber, Stephen D. Roper, and Nirupa Chaudhari

## DEVELOPMENT/PLASTICITY/REPAIR

6233 Close Homolog of L1 Regulates Dendritic Spine Density in the Mouse Cerebral Cortex Through Semaphorin 3B

Vishwa Mohan, Sarah D. Wade, Chelsea S. Sullivan, Michael R Kasten, Cassandra Sweetman, Rebeccah Stewart, Young Truong, Melitta Schachner, Paul B. Manis, and Patricia F. Maness

## SYSTEMS/CIRCUITS

6251 Radiation Force as a Physical Mechanism for Ultrasonic Neurostimulation of the Ex Vivo Retina

Mike D. Menz, Patrick Ye, Kamyar Firouzi, Amin Nikoozadeh, Kim Butts Pauly, Pierre Khuri-Yakub, and Stephen A. Baccus

- **Oynamic Causal Modelling of Active Vision**Thomas Parr, M. Berk Mirza, Hayriye Cagnan, and Karl J. Friston
- **6276** Amblyopia Affects the ON Visual Pathway More than the OFF Carmen Pons, Jianzhong Jin, Reece Mazade, Mitchell Dul, Qasim Zaidi, and Jose-Manuel Alonso

#### BEHAVIORAL/COGNITIVE

6291 Tracking Transient Changes in the Neural Frequency Architecture: Harmonic Relationships between Theta and Alpha Peaks Facilitate Cognitive Performance Julio Rodriguez-Larios and Kaat Alaerts

# 6299 Perceptual Function and Category-Selective Neural Organization in Children with Resections of Visual Cortex

Tina T. Liu, Erez Freud, Christina Patterson, and Marlene Behrmann

#### NEUROBIOLOGY OF DISEASE

- 6315 Sleep as a Potential Biomarker of Tau and  $\beta$ -Amyloid Burden in the Human Brain Joseph R. Winer, Bryce A. Mander, Randolph F. Helfrich, Anne Maass, Theresa M. Harrison, Suzanne L. Baker, Robert T. Knight, William J. Jagust, and Matthew P. Walker
- 6325 The Inhibition of RasGRF2, But Not RasGRF1, Alters Cocaine Reward in Mice Rick E. Bernardi, Anastasia Olevska, Ilaria Morella, Stefania Fasano, Eugenio Santos, Riccardo Brambilla, and Rainer Spanagel
- 6339 Deletion of Class II ADP-Ribosylation Factors in Mice Causes Tremor by the Nav1.6
  Loss in Cerebellar Purkinje Cell Axon Initial Segments
  Nobutake Hosoi, Koji Shibasaki, Mayu Hosono, Ayumu Konno, Yo Shinoda,
  Hiroshi Kiyonari, Kenichi Inoue, Shin-ichi Muramatsu, Yasuki Ishizaki,
  Hirokazu Hirai, Teiichi Furuichi, and Tetsushi Sadakata
- 6354 Posterior Cingulate Cortical Response to Active Avoidance Mediates the Relationship between Punishment Sensitivity and Problem Drinking
  Thang M. Le, Simon Zhornitsky, Wuyi Wang, Jaime Ide, Sheng Zhang, and Chiang-Shan R. Li
- 6365 Impaired Glymphatic Transport in Spontaneously Hypertensive Rats
  Kristian Nygaard Mortensen, Simon Sanggaard, Humberto Mestre, Hedok Lee,
  Serhii Kostrikov, Anna L.R. Xavier, Albert Gjedde, Helene Benveniste,
  and Maiken Nedergaard
- 6378 Accumulation of Cytoplasmic DNA Due to ATM Deficiency Activates the Microglial Viral Response System with Neurotoxic Consequences Xuan Song, Fulin Ma, and Karl Herrup

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