



Cover legend: This image shows desert locusts (*Schistocerca gregaria*). The locust's bilateral abdominal ears (hidden behind its wings) suffer hearing loss after noise-exposure, like vertebrate auditory systems. There are anciently conserved mechanisms of hearing across animals and the deficits measured in the ears of the locust mirror similar noise-induced damage observed in vertebrate ears. For more information see the article by Warren et al. Photo by Swidbert R Ott and Steve Rogers. (pages 3130–3140).

2975 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

- 2976 Noncoding Microdeletion in Mouse *Hgf* Disrupts Neural Crest Migration into the Stria Vascularis, Reduces the Endocochlear Potential, and Suggests the Neuropathology for Human Nonsyndromic Deafness DFNB39**
Robert J. Morell, Rafal Olszewski, Risa Tona, Samuel Leitess, Talah T. Wafa, Ian Taukulis, Julie M. Schultz, Elizabeth J. Thomason, Keri Richards, Brittany N. Whitley, Connor Hill, Thomas Saunders, Matthew F. Starost, Tracy Fitzgerald, Elizabeth Wilson, Takahiro Ohyama, Thomas B. Friedman, and Michael Hoa

DEVELOPMENT/PLASTICITY/REPAIR

- 2993 Mechanistic Target of Rapamycin Regulates the Oligodendrocyte Cytoskeleton during Myelination**
Aminat S. Musah, Tanya L. Brown, Marisa A. Jeffries, Quan Shang, Hirokazu Hashimoto, Angelina V. Evangelou, Alison Kowalski, Mona Batish, Wendy B. Macklin, and Teresa L. Wood

SYSTEMS/CIRCUITS

- 3008 Ultra-high-resolution fMRI of Human Ventral Temporal Cortex Reveals Differential Representation of Categories and Domains**
Eshed Margalit, Keith W. Jamison, Kevin S. Weiner, Luca Vizioli, Ru-Yuan Zhang (张洳源), Kendrick N. Kay, and Kalanit Grill-Spector
- 3025 Neural Correlates of Strategy Switching in the Macaque Orbital Prefrontal Cortex**
Valeria Fascianelli, Lorenzo Ferrucci, Satoshi Tsujimoto, and Aldo Genovesio
- 3035 Commutative Properties of Head Direction Cells during Locomotion in 3D: Are All Routes Equal?**
Patrick A. LaChance, Julie R. Dumont, Pelin Ozel, Jennifer L. Marcroft, and Jeffrey S. Taube
- 3052 Astrocytes Modulate Baroreflex Sensitivity at the Level of the Nucleus of the Solitary Tract**
Svetlana Mastitskaya, Egor Turovsky, Nephtali Marina, Shefeeq M. Theparambil, Anna Hadjihambi, Sergey Kasparov, Anja G. Teschemacher, Andrew G. Ramage, Alexander V. Gourine, and Patrick S. Hosford
- 3063 Integration of Swimming-Related Synaptic Excitation and Inhibition by *olig2*⁺ Eurydendroid Neurons in Larval Zebrafish Cerebellum**
Thomas C. Harmon, David L. McLean, and Indira M. Raman

BEHAVIORAL/COGNITIVE

- 3075 Task Errors Drive Memories That Improve Sensorimotor Adaptation**
Li-Ann Leow, Welber Marinovic, Aymar de Rugy, and Timothy J. Carroll
- 3089 The Right Temporoparietal Junction Is Causally Associated with Embodied Perspective-taking**
Andrew K. Martin, Klaus Kessler, Shena Cooke, Jasmine Huang, and Marcus Meinzer
- 3096 Cross Recruitment of Domain-Selective Cortical Representations Enables Flexible Semantic Knowledge**
Scott L. Fairhall

NEUROBIOLOGY OF DISEASE

- 3104 Fingolimod Rescues Demyelination in a Mouse Model of Krabbe's Disease**
Sibylle Béchet, Sinead A. O'Sullivan, Justin Yssel, Steven G. Fagan, and Kumlesh K. Dev
- 3119 Deletion of a Neuronal Drp1 Activator Protects against Cerebral Ischemia**
Kyle H. Flippo, Zhihong Lin, Audrey S. Dickey, Xinchang Zhou, Nirav A. Dhanesha, Grant C. Walters, Yujia Liu, Ronald A. Merrill, Robert Meller, Roger P. Simon, Anil K. Chauhan, Yuriy M. Usachev, and Stefan Strack
- 3130 Physiological Basis of Noise-Induced Hearing Loss in a Tympanal Ear**
Ben Warren, Georgina E. Fenton, Elizabeth Klenschi, James F.C. Windmill, and Andrew S. French

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