



Cover legend: This image shows a 3D reconstruction of the inner anatomy of the proximal stick insect (*Carausius morosus*) walking leg, based on synchrotron radiation-based micro-computed tomography (SR- μ CT) data. Colors identify individual muscles, nerves, sensory organs, and tracheae of the leg. For more information, see the article by Liessem et al. (pages 2911–2929). Cover image: Sander Liessem.

2795 This Week in The Journal

Viewpoints

- 2796 **The Ubiquitinated Axon: Local Control of Axon Development and Function by Ubiquitin**
Maria J. Pinto, Diogo Tomé, and Ramiro D. Almeida

Research Articles

CELLULAR/MOLECULAR

- 2814 **HDAC3 Activity within the Nucleus Accumbens Regulates Cocaine-Induced Plasticity and Behavior in a Cell-Type-Specific Manner**
R.R. Campbell, E.A. Kramár, L. Pham, J.H. Beardwood, A.S. Augustynski, A.J. López, O.S. Chitnis, G. Delima, J. Banihani, D.P. Matheos, and M.A. Wood
- 2828 **The Phosphoprotein Synapsin Ia Regulates the Kinetics of Dense-Core Vesicle Release**
Hui-Ju Yang, Pin-Chun Chen, Chien-Ting Huang, Tzu-Lin Cheng, Sheng-Ping Hsu, Chien-Yu Chen, Juu-Chin Lu, and Chih-Tien Wang
- 2842 **BRCA1–BARD1 Regulates Axon Regeneration in Concert with the Gq α –DAG Signaling Network**
Yoshiki Sakai, Hiroshi Hanafusa, Tatsuhiro Shimizu, Strahil I. Pastuhov, Naoki Hisamoto, and Kunihiko Matsumoto
- 2854 **BK Channel Regulation of Afterpotentials and Burst Firing in Cerebellar Purkinje Neurons**
Zachary Niday and Bruce P. Bean
- 2870 **Interleukin-4 Induces the Release of Opioid Peptides from M1 Macrophages in Pathological Pain**
Dominika Labuz, Melih Ö. Celik, Viola Seitz, and Halina Machelska
- 2883 **Regulation of Mitochondrial Function by Epac2 Contributes to Acute Inflammatory Hyperalgesia**
Diana J. Goode and Derek C. Molliver

DEVELOPMENT/PLASTICITY/REPAIR

- 2899 **Enriched Environment Promotes Adult Hippocampal Neurogenesis through FGFRs**
Marta Grońska-Pęski, J. Tiago Gonçalves, and Jean M. Hébert

SYSTEMS/CIRCUITS

- 2911 **Neuromodulation Can Be Simple: Myoinhibitory Peptide, Contained in Dedicated Regulatory Pathways, Is the Only Neurally-Mediated Peptide Modulator of Stick Insect Leg Muscle**
Sander Liessem, Daniel Kowatschew, Stefan Dippel, Alexander Blanke, Sigrun Korsching, Christoph Guschlbauer, Scott L. Hooper, Reinhard Predel, and Ansgar Büschges

2930 Outer Hair Cell Glutamate Signaling through Type II Spiral Ganglion Afferents Activates Neurons in the Cochlear Nucleus in Response to Nondamaging Sounds
Catherine J.C. Weisz, Sean-Paul G. Williams, Chad S. Eckard, Christopher B. Divito, David W. Ferreira, Kristen N. Fantetti, Shenin A. Dettwyler, Hou-Ming Cai, Maria E. Rubio, Karl Kandler, and Rebecca P. Seal

2944 Network Asynchrony Underlying Increased Broadband Gamma Power
Nicolas Guyon, Leonardo Rakauskas Zacharias, Eliezyer Fermino de Oliveira, Hoseok Kim, João Pereira Leite, Cleiton Lopes-Aguiar, and Marie Carlén

BEHAVIORAL/COGNITIVE

2964 Nonhuman Primates Satisfy Utility Maximization in Compliance with the Continuity Axiom of Expected Utility Theory
Simone Ferrari-Toniolo, Philippe M. Bujold, Fabian Grabenhorst, Raymundo Báez-Mendoza, and Wolfram Schultz

2980 Expert Tool Users Show Increased Differentiation between Visual Representations of Hands and Tools
Hunter R. Schone, Roni O. Maimon-Mor, Chris I. Baker, and Tamar R. Makin

2990 Pubertal Testosterone and Brain Response to Faces in Young Adulthood: An Interplay between Organizational and Activational Effects in Young Men
Zhijie Liao, Steven Tilley, Andrei Mouraviev, Ammar Khairullah, and Tomas Paus

3000 Single-Dimensional Human Brain Signals for Two-Dimensional Economic Choice Options
Leo Chi U Seak, Konstantin Volkman, Alexandre Pastor-Bernier, Fabian Grabenhorst, and Wolfram Schultz

3014 Adaptive Memory Distortions Are Predicted by Feature Representations in Parietal Cortex
Yufei Zhao (赵雨菲), Avi J.H. Chanale, and Brice A. Kuhl

NEUROBIOLOGY OF DISEASE

3025 Zinc Status Alters Alzheimer's Disease Progression through NLRP3-Dependent Inflammation
Jack Rivers-Auty, Victor S. Tapia, Claire S. White, Michael J.D. Daniels, Samuel Drinkall, Paul T. Kennedy, Harry G. Spence, Shi Yu, Jack P. Green, Christopher Hoyle, James Cook, Amy Bradley, Alison E. Mather, Ruth Peters, Te-Chen Tzeng, Margaret J. Gordon, John H. Beattie, David Brough, and Catherine B. Lawrence

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