

# JNeurosci

THE JOURNAL OF NEUROSCIENCE

November 29, 2017 • Volume 37 Number 48 • www.jneurosci.org



**Cover legend:** This image shows a male brain of *Drosophila subobscura* doubly stained by the Venus marker knocked into the *fruitless* locus (green) and the antibody against Fruitless (purple), a neural masculinizer protein. Optogenetic activation of this *fruitless*-labeled circuitry induces a series of species-specific courtship behavior, including actions for nuptial gift transfer. This study opens up an avenue for genetic studies on the neural basis of diversified behavior in non-model organisms. For more information see the article by Tanaka et al. (pages 11662–11674).

## i This Week in The Journal

### Journal Club

- 11517 **Enhancing Memory Consolidation through Slow Oscillation and Spindle Synchronization**  
Sara Y. Kim, Enmanuelle Pardilla-Delgado, and Sara E. Alger
- 11520 **Exploring the Role of CaMKIV in Homeostatic Plasticity**  
Julia Bleier and Alexis Toliver

### Research Articles

#### CELLULAR/MOLECULAR

- 11523 **Trafficking of Kv2.1 Channels to the Axon Initial Segment by a Novel Nonconventional Secretory Pathway**  
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- 11632 **Phosphoinositol-4,5-Bisphosphate Regulates Auditory Hair-Cell Mechanotransduction-Channel Pore Properties and Fast Adaptation**  
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- 11701 **Autocrine Interleukin-10 Mediates Glucagon-Like Peptide-1 Receptor-Induced Spinal Microglial  $\beta$ -Endorphin Expression**  
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- 11758 **Protease-Mediated Suppression of DRG Neuron Excitability by Commensal Bacteria**  
Jessica L. Sessenwein, Corey C. Baker, Sabindra Pradhananga, Megan E. Maitland, Elaine O. Petrof, Emma Allen-Vercoe, Curtis Noordhof, David E. Reed, Stephen J. Vanner, and Alan E. Lomax

#### DEVELOPMENT/PLASTICITY/REPAIR

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- 11731 **Maresin 1 Promotes Inflammatory Resolution, Neuroprotection, and Functional Neurological Recovery After Spinal Cord Injury**  
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- 11605 **Stimulation of the Locus Ceruleus Modulates Signal-to-Noise Ratio in the Olfactory Bulb**  
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- 11715 **Frontal Eye Field Inactivation Diminishes Superior Colliculus Activity, But Delayed Saccadic Accumulation Governs Reaction Time Increases**  
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- 11744 **Neuromedin B Expression Defines the Mouse Retrotrapezoid Nucleus**  
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## BEHAVIORAL/COGNITIVE

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- 11572 **Recruitment of Foveal Retinotopic Cortex During Haptic Exploration of Shapes and Actions in the Dark**  
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- 11647 **Why Do Irrelevant Alternatives Matter? An fMRI-TMS Study of Context-Dependent Preferences**  
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- 11662 **Optogenetic Activation of the *fruitless*-Labeled Circuitry in *Drosophila subobscura* Males Induces Mating Motor Acts**  
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- 11675 **White Matter Structure in Older Adults Moderates the Benefit of Sleep Spindles on Motor Memory Consolidation**  
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- 11592 **A Presynaptic Function of Shank Protein in *Drosophila***  
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**11688 Heterozygosity for the Mood Disorder-Associated Variant Gln460Arg Alters P2X7 Receptor Function and Sleep Quality**

Michael W. Metzger, Sandra M. Walsler, Nina Dedic, Fernando Aprile-Garcia, Vladimira Jakubcakova, Marek Adamczyk, Katharine J. Webb, Manfred Uhr, Damian Refojo, Mathias V. Schmidt, Elisabeth Friess, Axel Steiger, Mayumi Kimura, Alon Chen, Florian Holsboer, Eduardo Arzt, Wolfgang Wurst, and Jan M. Deussing

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