This Week in The Journal

Journal Club

Do Primates and Deep Artificial Neural Networks Perform Object Categorization in a Similar Manner?
Prabaha Gangopadhyay and Jhilik Das

Research Articles

CELLULAR/MOLECULAR

The Immunosuppressant Macrolide Tacrolimus Activates Cold-Sensing TRPM8 Channels

The DNA Repair-Associated Protein Gadd45γ Regulates the Temporal Coding of Immediate Early Gene Expression within the Prelimbic Prefrontal Cortex and Is Required for the Consolidation of Associative Fear Memory
Xiang Li, Paul R. Marshall, Laura J. Leighton, Esmi L. Zajaczkowski, Ziqi Wang, Sachithrani U. Madugalle, Jiayu Yin, Timothy W. Bredy, and Wei Wei

DEVELOPMENT/PLASTICITY/REPAIR

Neurod1 Is Essential for the Primary Tonotopic Organization and Related Auditory Information Processing in the Midbrain
Iva Macova, Kateryna Pysanenko, Tetyana Chumak, Martina Dvorakova, Romana Bohuslavova, Josef Syka, Bernd Fritzsch, and Gabriela Pavlinkova

Developmental Requirement of Homeoprotein Otx2 for Specific Habenulo-Interpeduncular Subcircuits
Nuria Ruiz-Reig, Malalaiaina Rakotobe, Ingrid Bethus, Gwenaelle Le Menn, Hannah-Isadora Huditz, Hélène Marie, Thomas Lamonerie, and Fabien D’Autréaux

SYSTEMS/CIRCUITS

Intrinsic Functional Boundaries of Lateral Frontal Cortex in the Common Marmoset Monkey
David J. Schaeffer, Kyle M. Gilbert, Joseph S. Gati, Ravi S. Menon, and Stefan Everling

A Corticotropin Releasing Factor Network in the Extended Amygdala for Anxiety
Matthew B. Pomrenze, Jorge Tovar-Diaz, Angelo Blasio, Rajani Maiya, Simone M. Giovanetti, Kelly Lei, Hitoshi Morikawa, F. Woodward Hopf, and Robert O. Messing
1044 A Brainstem Neural Substrate for Stopping Locomotion
Swantje Grätsch, François Auclair, Olivier Demers, Emmanuella Auguste, Amer Hanna, Ansgar Büschges, and Réjean Dubuc

1058 Inhibition of Nigrostriatal Dopamine Release by Striatal GABA<sub>A</sub> and GABA<sub>B</sub> Receptors
Emanuel F. Lopes, Bradley M. Roberts, Ruth E. Siddorn, Michael A. Clements, and Stephanie J. Cragg

1066 Attention Enhances the Efficacy of Communication in V1 Local Circuits
Jacqueline R. Hembrook-Short, Vanessa L. Mock, W. Martin Usrey, and Farran Briggs

BEHAVIORAL/COGNITIVE

1077 Anterior Insular Cortex is Critical for the Propensity to Relapse Following Punishment-Imposed Abstinence of Alcohol Seeking

1088 Stimulus Context and Reward Contingency Induce Behavioral Adaptation in a Rodent Tactile Detection Task
Christian Waiblinger, Caroline M. Wu, Michael F. Bolus, Peter Y. Borden, and Garrett B. Stanley

1100 The Role of Meaning in Visual Memory: Face-Selective Brain Activity Predicts Memory for Ambiguous Face Stimuli
Timothy F. Brady, George A. Alvarez, and Viola S. Störmer

1109 Postretrieval Relearning Strengthens Hippocampal Memories via Destabilization and Reconsolidation
Kai Rong Tay, Charlotte R. Flavell, Lindsey Cassini, Maria Wimber, and Jonathan L.C. Lee

NEUROBIOLOGY OF DISEASE

1119 Phase-Dependent Suppression of Beta Oscillations in Parkinson’s Disease Patients

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