This Week in The Journal

Journal Club

4861 Does Semantic Congruency Accelerate Episodic Encoding, or Increase Semantic Elaboration?
Roni Tibon, Elisa Cooper, and Andrea Greve

4864 Immunomodulation via Toll-like Receptor 9: An Adjunct Therapy Strategy against Alzheimer’s Disease?
Maria Clara Selles, Juliana Tiemi Sato Fortuna, and Luis Eduardo Santos

Research Articles

CELLULAR/MOLECULAR

4913 Short-Term Facilitation at a Detonator Synapse Requires the Distinct Contribution of Multiple Types of Voltage-Gated Calcium Channels
Simon Chamberland, Alesya Evstratova, and Katalin Tóth

DEVELOPMENT/PLASTICITY/REPAIR

4883 Distinct Physiological Maturation of Parvalbumin-Positive Neuron Subtypes in Mouse Prefrontal Cortex
Takeaki Miyamae, Kehui Chen, David A. Lewis, and Guillermo Gonzalez-Burgos

4967 Novel Regulatory Mechanisms for the SoxC Transcriptional Network Required for Visual Pathway Development
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4992 The Spacing Effect for Structural Synaptic Plasticity Provides Specificity and Precision in Plastic Changes
Alvaro San Martin, Lorena Rela, Bruce Gelb, and Mario Rafael Pagani

SYSTEMS/CIRCUITS

4868 Synaptic Targeting of Double-Projecting Ventral CA1 Hippocampal Neurons to the Medial Prefrontal Cortex and Basal Amygdala
Woong Bin Kim and Jun-Hyeong Cho

4954 Posterior Parietal Cortex Guides Visual Decisions in Rats
Angela M. Licata, Matthew T. Kaufman, David Raposo, Michael B. Ryan, John P. Sheppard, and Anne K. Churchland
New Repeat Polymorphism in the AKT1 Gene Predicts Striatal Dopamine D2/D3 Receptor Availability and Stimulant-Induced Dopamine Release in the Healthy Human Brain
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Selective Modulation of the Pupil Light Reflex by Microstimulation of Prefrontal Cortex
R. Becket Ebitz and Tirin Moore

Posterior Inferotemporal Cortex Cells Use Multiple Input Pathways for Shape Encoding
Carlos R. Ponce, Stephen G. Lomber, and Margaret S. Livingstone

Immune-Induced Fever Is Dependent on Local But Not Generalized Prostaglandin E2 Synthesis in the Brain
Anna Eskilsson, Takashi Matsuwaki, Kiseko Shionoya, Elahe Mirrasekhian, Joanna Zajdel, Markus Schwaninger, David Engblom, and Anders Blomqvist

Low-Frequency Cortical Oscillations Entrain to Subthreshold Rhythmic Auditory Stimuli
Sanne ten Oever, Charles E. Schroeder, David Poeppel, Nienke van Atteveldt, Ashesh D. Mehta, Pierre Mègevand, David M. Groppe, and Elana Zion-Golumbic

Attention to Multiple Objects Facilitates Their Integration in Prefrontal and Parietal Cortex
Yee-Joon Kim, Jeffrey J. Tsai, Jeffrey Ojemann, and Preeti Verghese

Downregulation of RBO-PI4KIIIβ Facilitates Aβ42 Secretion and Ameliorates Neural Deficits in Aβ42-Expressing Drosophila
Xiao Zhang, Wen-An Wang, Li-Xiang Jiang, Hai-Yan Liu, Bao-Zhu Zhang, Nastasia Lim, Qing-Yi Li, and Fu-De Huang

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