This Week in The Journal

Journal Club

5393    Cortical Predictive Mechanisms of Auditory Response Attenuation to Self-Generated Sounds
Matthew G. Phillips, Stephen C. Lenzi, and Jesse P. Geerts

Research Articles

CELLULAR/MOLECULAR

5447    Neuronal Chloride Regulation via KCC2 Is Modulated through a GABA<sub>B</sub> Receptor Protein Complex

5484    Activity Clamp Provides Insights into Paradoxical Effects of the Anti-Seizure Drug Carbamazepine
Gareth Morris, Marco Leite, Dimitri M. Kullmann, Ivan Pavlov, Stephanie Schorge, and Gabriele Lignani

5496    Two Components of Aversive Memory in Drosophila, Anesthesia-Sensitive and Anesthesia-Resistant Memory, Require Distinct Domains Within the Rgk1 Small GTPase
Satoshi Murakami, Maki Minami-Ohtsubo, Ryuichiro Nakato, Katsuhiko Shirahige, and Tetsuya Tabata

DEVELOPMENT/PLASTICITY/REPAIR

5395    Complement C5aR1 Signaling Promotes Polarization and Proliferation of Embryonic Neural Progenitor Cells through PKCζ
Liam G. Coulthard, Owen A. Hawksworth, Rui Li, Anushree Balachandran, John D. Lee, Farshid Sepehrband, Nyoman Kurniawan, Angela Jeanes, David G. Simmons, Ernst Wolvetang, and Trent M. Woodruff

5511    In Vivo Calcium Signaling during Synaptic Refinement at the Drosophila Neuromuscular Junction
Fernando Vonhoff and Haig Keshishian

5549    Hierarchical Specification of Pruriceptors by Runt-Domain Transcription Factor Runx1
Lu Qi, Chengcheng Huang, Xiaohua Wu, Yeqi Tao, Jingjing Yan, Tianyong Shi, Cheng Cao, Lu Han, Mengsheng Qiu, Qifu Ma, Zijing Liu, and Yang Liu
SYSTEMS/CIRCUITS

5408 Decorrelated Input Dissociates Narrow Band γ Power and BOLD in Human Visual Cortex
Russell Butler, Pierre-Michel Bernier, Jérémie Lefebvre, Guillaume Gilbert, and Kevin Whittingstall

5429 Ladder Treadmill: A Method to Assess Locomotion in Cats with an Intact or Lesioned Spinal Cord
Manuel Escalona, Hugo Delivet-Mongrain, Aritra Kundu, Jean-Pierre Gossard, and Serge Rossignol

BEHAVIORAL/COGNITIVE

5419 Disruption of the Right Temporoparietal Junction Impairs Probabilistic Belief Updating
Paola Mengotti, Pascasie L. Dombert, Gereon R. Fink, and Simone Vossel

5475 Genetic Factors and Orofacial Motor Learning Selectively Influence Variability in Central Sulcus Morphology in Chimpanzees (Pan troglodytes)
William D. Hopkins, Oliver Coulon, Adrien Meguerditchian, Michelle Autrey, Kendall Davidek, Lindsay Mahovetz, Sarah Pope, Mary Catherine Maren, and Steven J. Schapiro

5527 Anterolateral Entorhinal Cortex Volume Predicted by Altered Intra-Item Configural Processing
Lok-Kin Yeung, Rosanna K. Olsen, Hannah E.P. Bild-Enkin, Maria C. D’Angelo, Arber Kacollja, Douglas A. McQuiggan, Anna Keshabayan, Jennifer D. Ryan, and Morgan D. Barense

5539 Moment-to-Moment BOLD Signal Variability Reflects Regional Changes in Neural Flexibility across the Lifespan
Jason S. Nomi, Taylor S. Bolt, C.E. Chiemeka Ezie, Lucina Q. Uddin, and Aaron S. Heller

NEUROBIOLOGY OF DISEASE

5463 Dopamine Receptors Differentially Control Binge Alcohol Drinking-Mediated Synaptic Plasticity of the Core Nucleus Accumbens Direct and Indirect Pathways
Xincai Ji, Sucharita Saha, Jenya Kolpakova, Melissa Guildford, Andrew R. Tapper, and Gilles E. Martin

5562 Angiotensin IV Receptors Mediate the Cognitive and Cerebrovascular Benefits of Losartan in a Mouse Model of Alzheimer’s Disease
Jessika Royea, Luqing Zhang, Xin-Kang Tong, and Edith Hamel

5574 MicroRNA Profiling Reveals Marker of Motor Neuron Disease in ALS Models


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