This Week in The Journal

Journal Club

739 The Role of Neuroligins in the Cerebellum Highlights the Diversity of Synapse-Specifying Molecules
Jessica Messier

Research Articles

CELLULAR/MOLECULAR

790 Cdk5 Regulation of the GRAB-Mediated Rab8-Rab11 Cascade in Axon Outgrowth
Kotaro Furusawa, Akiko Asada, Pamela Urrutia, Christian Gonzalez-Billault, Mitsunori Fukuda, and Shin-ichi Hisanaga

DEVELOPMENT/PLASTICITY/REPAIR

820 Contribution of Innate Cortical Mechanisms to the Maturation of Orientation Selectivity in Parvalbumin Interneurons
Dario X. Figueroa Velez, Kyle L. Ellefsen, Ethan R. Hathaway, Mathew C. Carathedathu, and Sunil P. Gandhi

960 C-Terminal Region Truncation of RELN Disrupts an Interaction with VLDLR, Causing Abnormal Development of the Cerebral Cortex and Hippocampus
Seungshin Ha, Prem P. Tripathi, Anca B. Mihalas, Robert F. Hevner, and David R. Beier

972 Newly Formed Endothelial Cells Regulate Myeloid Cell Activity Following Spinal Cord Injury via Expression of CD200 Ligand
Merav Cohen, Hila Ben-Yehuda, Ziv Porat, Catarina Raposo, Siamon Gordon, and Michal Schwartz

986 Cocaine Promotes Coincidence Detection and Lowers Induction Threshold during Hebbian Associative Synaptic Potentiation in Prefrontal Cortex
Hongyu Ruan and Wei-Dong Yao

SYSTEMS/CIRCUITS

768 Mosaic Organization of Body Pattern Control in the Optic Lobe of Squids
Tsung-Han Liu and Chuan-Chin Chiao

854 Differential Encoding of Time by Prefrontal and Striatal Network Dynamics
Konstantin I. Bakhurin, Vishwa Goudar, Justin L. Shobe, Leslie D. Claar, Dean V. Buonomano, and Sotiris C. Masmanidis

906 Sodium Pumps Mediate Activity-Dependent Changes in Mammalian Motor Networks
Laurence D. Picton, Filipe Nascimento, Matthew J. Broadhead, Keith T. Sillar, and Gareth B. Miles
922 Noisy Spiking in Visual Area V2 of Amblyopic Monkeys
Ye Wang, Bin Zhang, Xiaofeng Tao, Janice M. Wensveen, Earl L. Smith 3rd, and Yuzo M. Chino

Amol Gharat and Curtis L. Baker Jr.

1014 Role of Dorsomedial Striatum Neuronal Ensembles in Incubation of Methamphetamine Craving after Voluntary Abstinence
Daniele Caprioli, Marco Venniro, Michelle Zhang, Jennifer M. Bossert, Brandon L. Warren, Bruce T. Hope, and Yavin Shaham

BEHAVIORAL/COGNITIVE

742 Accumbens nNOS Interneurons Regulate Cocaine Relapse

757 Loss of Plasticity in the D2-Accumbens Pallidal Pathway Promotes Cocaine Seeking
Jasper A. Heinsbrock, Daniela N. Neuhofer, William C. Griffin, III, Griffin S. Siegel, Ana-Clara Bobadilla, Yonatan M. Kupchik, and Peter W. Kalivas

781 Sure I’m Sure: Prefrontal Oscillations Support Metacognitive Monitoring of Decision Making
Martijn E. Wokke, Axel Cleeremans, and K. Richard Ridderinkhof

807 Spontaneous Neural Oscillations Bias Perception by Modulating Baseline Excitability
Luca Iemi, Maximilien Chaumon, Sébastien M. Crouzet, and Niko A. Busch

830 Cortical Correlates of the Auditory Frequency-Following and Onset Responses: EEG and fMRI Evidence
Emily B.J. Coffey, Gabriella Musacchia, and Robert J. Zatorre

839 Dynamic Reconfiguration of Visuomotor-Related Functional Connectivity Networks
Andrea Brovelli, Jean-Michel Badier, Francesca Bonini, Fabrice Bartolomei, Olivier Coulon, and Guillaume Auzias

882 Role of TAAR1 within the Subregions of the Mesocorticolimbic Dopaminergic System in Cocaine-Seeking Behavior
Jian-Feng Liu, Justin N. Siemian, Robert Seaman, Jr, Yanan Zhang, and Jun-Xu Li

1028 The Caudate Nucleus Mediates Learning of Stimulus–Control State Associations
Yu-Chin Chiu (丘雨勤), Jiefeng Jiang (江界峰), and Tobias Egner

NEUROBIOLOGY OF DISEASE

871 TNF-α Differentially Regulates Synaptic Plasticity in the Hippocampus and Spinal Cord by Microglia-Dependent Mechanisms after Peripheral Nerve Injury
Yong Liu, Li-Jun Zhou, Jun Wang, Dai Li, Wen-Jie Ren, Jiyun Peng, Xiao Wei, Ting Xu, Wen-Jun Xin, Rui-Ping Pang, Yong-Yong Li, Zhi-Hai Qin, Madhuvikha Murugan, Mark P. Mattson, Long-Jun Wu, and Xian-Guo Liu

893 DNA-PKcs, ATM, and ATR Interplay Maintains Genome Integrity during Neurogenesis
Vanessa Enriquez-Rios, Lavinia C. Dumitrache, Susanna M. Downing, Yang Li, Eric J. Brown, Helen R. Russell, and Peter J. McKinnon
936 Innate Immunity Stimulation via Toll-Like Receptor 9 Ameliorates Vascular Amyloid Pathology in Tg-SwDI Mice with Associated Cognitive Benefits
Henrieta Scholtzova, Eileen Do, Shleshma Dhakal, Yanjie Sun, Shan Liu, Pankaj D. Mehta, and Thomas Wisniewski

1039 Opposing Effects of Valproic Acid Treatment Mediated by Histone Deacetylase Inhibitor Activity in Four Transgenic X. laevis Models of Retinitis Pigmentosa
Ruanne Y.J. Vent-Schmidt, Runxia H. Wen, Zusheng Zong, Colette N. Chiu, Beatrice M. Tam, Christopher G. May, and Orson L. Moritz

Persons interested in becoming members of the Society for Neuroscience should contact the Membership Department, Society for Neuroscience, 1121 14th St., NW, Suite 1010, Washington, DC 20005, phone 202-962-4000.

Instructions for Authors are available at http://www.jneurosci.org/content/information-authors. Authors should refer to these Instructions online for recent changes that are made periodically.

Submissions should be submitted online using the following url: http://jneurosci.msubmit.net. Please contact the Central Office, via phone, fax, or e-mail with any questions. Our contact information is as follows: phone, 202-962-4000; e-mail, jn@sfn.org.