This Week in The Journal

Dual Perspectives

Evidences for Adult Hippocampal Neurogenesis in Humans
Elena P. Moreno-Jiménez, Julia Terreros-Roncal, Miguel Flor-García, Alberto Rábano, and María Llorens-Martín

Positive Controls in Adults and Children Support That Very Few, If Any, New Neurons Are Born in the Adult Human Hippocampus
Shawn F. Sorrells, Mercedes F. Paredes, Zhuangzhi Zhang, Gugene Kang, Oier Pastor-Alonso, Sean Biagiotti, Chloe E. Page, Kadellyn Sandoval, Anthony Knox, Andrew Connolly, Eric J. Huang, Jose Manuel Garcia-Verdugo, Michael C. Oldham, Zhengang Yang, and Arturo Alvarez-Buylla

Research Articles

CELLULAR/MOLECULAR

Orexin-A Intensifies Mouse Pupillary Light Response by Modulating Intrinsically Photosensitive Retinal Ganglion Cells
Wei Zhou, Li-Qin Wang, Yu-Qi Shao, Xu Han, Chen-Xi Yu, Fei Yuan, Xin Wang, Shi-Jun Weng, Yong-Mei Zhong, and Xiong-Li Yang

Neurochemically and Hodologically Distinct Ascending VGLUT3 versus Serotonin Subsystems Comprise the r2-Pet1 Median Raphe
Rebecca A. Senft, Morgan E. Freret, Nikita Sturrock, and Susan M. Dymecki

Distinct Transcriptomic Profiles in the Dorsal Hippocampus and Prelimbic Cortex Are Transiently Regulated following Episodic Learning
Aaron Katzman, Alireza Khodadadi-Jamayran, Dana Kapeller-Libermann, Xiaojing Ye, Aristotelis Tsirigos, Adriana Heguy, and Cristina M. Alberini

Functional P2X7 Receptors in the Auditory Nerve of Hearing Rodents Localize Exclusively to Peripheral Glia
Silvia Prades, Gregory Heard, Jonathan E. Gale, Tobias Engel, Robin Kopp, Annette Nicke, Katie E. Smith, and Daniel J. Jagger
Intrinsic Neuronal Activity during Migration Controls the Recruitment of Specific Interneuron Subtypes in the Postnatal Mouse Olfactory Bulb
Stéphane Bugeon, Clara Haubold, Alexandre Ryzynski, Harold Cremer, and Jean-Claude Platel

Dorsal Raphe Dopamine Neurons Signal Motivational Salience Dependent on Internal State, Expectation, and Behavioral Context

Visual Familiarity Induced 5-Hz Oscillations and Improved Orientation and Direction Selectivities in V1
Mang Gao, Sukbin Lim, and Alexander A. Chubykin

Abnormal Cortico-Basal Ganglia Neurotransmission in a Mouse Model of L-DOPA-Induced Dyskinesia
Indriani Dwi Wahyu, Satomi Chiken, Taku Hasegawa, Hiromi Sano, and Atsushi Nambu

The Functional Relevance of Task-State Functional Connectivity
Michael W. Cole, Takuya Ito, Carrisa Cocuzza, and Ruben Sanchez-Romero

Neuronal Activity in the Posterior Cingulate Cortex Signals Environmental Information and Predicts Behavioral Variability during Trapline Foraging
David L. Barack and Michael L. Platt

MEG Intersubject Phase Locking of Stimulus-Driven Activity during Naturalistic Speech Listening Correlates with Musical Training
Sebastian Puschmann, Mor Regev, Sylvain Baillet, and Robert J. Zatorre

Reduced Motivation in Perinatal Fluoxetine-Treated Mice: A Hypodopaminergic Phenotype

Induction of Mutant Sik3Sleepy Allele in Neurons in Late Infancy Increases Sleep Need
Kanako Iwasaki, Tomoyuki Fujiyama, Shinya Nakata, Minjeong Park, Chika Miyoshi, Noriko Hotta-Hirashima, Aya Ikkyu, Miyo Kakizaki, Fumihiro Sugiyama, Seiya Mizuno, Manabu Abe, Kenji Sakimura, Satoru Takahashi, Hiromasa Funato, and Masashi Yanagisawa

Did We Get Sensorimotor Adaptation Wrong? Implicit Adaptation as Direct Policy Updating Rather than Forward-Model-Based Learning
Alkis M. Hadjiosif, John W. Krakauer, and Adrian M. Haith

Semantic Knowledge of Famous People and Places Is Represented in Hippocampus and Distinct Cortical Networks
Neal W. Morton, Ellen L. Zippi, Sharon Noh, and Alison R. Preston
NEUROBIOLOGY OF DISEASE

2780  NOX1/NADPH Oxidase Promotes Synaptic Facilitation Induced by Repeated D₂ Receptor Stimulation: Involvement in Behavioral Repetition
Nozomi Asaoka, Masakazu Ibi, Hikari Hatakama, Koki Nagaoka, Kazumi Iwata, Misaki Matsumoto, Masato Katsuyama, Shuji Kaneko, and Chihiro Yabe-Nishimura

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