

i This Week in The Journal

Journal Club

- 8919 Insights into the Neurobiology of Anxiety and a Potential Target for Pharmacotherapy**
Rami Hamati

Research Articles

CELLULAR/MOLECULAR

- 8922 Dorsal BNST α_{2A} -Adrenergic Receptors Produce HCN-Dependent Excitatory Actions That Initiate Anxiogenic Behaviors**
Nicholas A. Harris, Austin T. Isaac, Anne Günther, Kevin Merkel, James Melchior, Michelle Xu, Eghosa Eguakun, Rafael Perez, Brett P. Nabit, Stephanie Flavin, Ralf Gilsbach, Brian Shonesy, Lutz Hein, Ted Abel, Arnd Baumann, Robert Matthews, Samuel W. Centanni, and Danny G. Winder
- 9019 Reduced Microglial Activity and Enhanced Glutamate Transmission in the Basolateral Amygdala in Early CNS Autoimmunity**
Shaona Acharjee, Megan Verbeek, Carlos D. Gomez, Kanchan Bisht, Benjamin Lee, Lucas Benoit, Keith A. Sharkey, Adrienne Benediktsson, Marie-Eve Tremblay, and Quentin J. Pittman
- 9091 Hippocampal-Evoked Feedforward Inhibition in the Nucleus Accumbens**
Samantha L. Scudder, Corey Baimel, Emma E. Macdonald, and Adam G. Carter

DEVELOPMENT/PLASTICITY/REPAIR

- 9105 DMRT5, DMRT3, and EMX2 Cooperatively Repress *Gsx2* at the Pallium–Subpallium Boundary to Maintain Cortical Identity in Dorsal Telencephalic Progenitors**
Elodie Desmaris, Marc Keruzore, Amandine Saulnier, Leslie Ratié, Stavroula Assimacopoulos, Sarah De Clercq, Xincheng Nan, Kaushik Roychoudhury, Shenyue Qin, Sadia Kricha, Clément Chevalier, Thomas Lingner, Kristine A. Henningfeld, David Zarkower, Antonello Mallamaci, Thomas Theil, Kenneth Campbell, Tomas Pieler, Meng Li, Elizabeth A. Grove, and Eric J. Bellefroid

SYSTEMS/CIRCUITS

- 8943 Network Architecture Underlying Basal Autonomic Outflow: Evidence from Frontotemporal Dementia**
Virginia E. Sturm, Jesse A. Brown, Alice Y. Hua, Sandy J. Lwi, Juan Zhou, Florian Kurth, Simon B. Eickhoff, Howard J. Rosen, Joel H. Kramer, Bruce L. Miller, Robert W. Levenson, and William W. Seeley

Cover legend: This image is an artistic rendering of a confocal image depicting parvalbumin-positive inhibitory interneurons (green) intermingled with medium spiny neurons expressing D1 dopamine receptors (pink) in the nucleus accumbens. DAPI labeling is blue. Interneurons are strongly activated by hippocampal input and provide robust feed-forward inhibition to both D1-positive and D1-negative medium spiny neurons. For more information, see the article by Scudder et al. (pages 9091–9104).

- 8956 **Divergent Prelimbic Cortical Pathways Interact with BDNF to Regulate Cocaine-seeking**
Giuseppe Giannotti, Sarah M. Barry, Ben M. Siemsen, Jamie Peters, and Jacqueline F. McGinty
- 8967 **Neural Correlate of Visual Familiarity in Macaque Area V2**
Ge Huang, Suchitra Ramachandran, Tai Sing Lee, and Carl R. Olson
- 8976 **Graded Transmission without Action Potentials Sustains Rhythmic Activity in Some But Not All Modulators That Activate the Same Current**
Philipp Rosenbaum and Eve Marder

BEHAVIORAL/COGNITIVE

- 8989 **Sleep Strengthens Predictive Sequence Coding**
Nicolas D. Lutz, Ines Wolf, Stefanie Hübner, Jan Born, and Karsten Rauss
- 9047 **Opioid-Independent and Opioid-Mediated Modes of Pain Modulation**
Chantal Berna, Siri Leknes, Asma H. Ahmad, Roisin N. Mhuirheartaigh, Guy M. Goodwin, and Irene Tracey
- 9059 **Control of Sleep Onset by *Shal/K_v4* Channels in *Drosophila* Circadian Neurons**
Ge Feng, Jiaxing Zhang, Minzhe Li, Lingzhan Shao, Luna Yang, Qian Song, and Yong Ping
- 9072 **Hypothalamic CCL2/CCR2 Chemokine System: Role in Sexually Dimorphic Effects of Maternal Ethanol Exposure on Melanin-Concentrating Hormone and Behavior in Adolescent Offspring**
Guo-Qing Chang, Olga Karatayev, Viktoriya Halkina, Jonathan Edelstien, Estefania Ramirez, and Sarah F. Leibowitz

NEUROBIOLOGY OF DISEASE

- 9001 **TOM1 Regulates Neuronal Accumulation of Amyloid- β Oligomers by Fc γ RIIb2 Variant in Alzheimer's Disease**
Youngdae Gwon, Tae-In Kam, Seo-Hyun Kim, Sungmin Song, Hyejin Park, Bitna Lim, Haneul Lee, Weontae Lee, Dong-Gyu Jo, and Yong-Keun Jung
- 9034 **Early Appearance and Spread of Fast Ripples in the Hippocampus in a Model of Cortical Traumatic Brain Injury**
Franco Ortiz, W.P. Karel Zapfe, Andreas Draguhn, and Rafael Gutiérrez

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