This Week in The Journal

Journal Club

5135 Unexpected Events Activate a Frontal-Basal-Ganglia Inhibitory Network: What Is the Role of the Pre-Supplementary Motor Area?
Darcy A. Diesburg and Joshua R. Tatz

Research Articles

CELLULAR/MOLECULAR

5138 Cereblon Regulates the Proteotoxicity of Tau by Tuning the Chaperone Activity of DNAJA1
Uroos Akber, Heeji Jo, Seungje Jeon, Seung-Joo Yang, Sunhiwa Bong, Sungsu Lim, Yun Kyung Kim, Zee-Yong Park, and Chul-Seung Park

DEVELOPMENT/PLASTICITY/REPAIR

5157 Amyloid-Beta Mediates Homeostatic Synaptic Plasticity
Christos Galanis, Meike Fellenz, Denise Becker, Charlotte Bold, Stefan F. Lichtenthaler, Ulrike C. Müller, Thomas Deller, and Andreas Vlachos

SYSTEMS/CIRCUITS

5173 Weekend Light Shifts Evoke Persistent Drosophila Circadian Neural Network Desynchrony

5190 Estrogen Receptor β Contributes to Both Hypertension and Hypothalamic Plasticity in a Mouse Model of Peri-Menopause

5206 Fever During Localized Inflammation in Mice Is Elicited by a Humoral Pathway and Depends on Brain Endothelial Interleukin-1 and Interleukin-6 Signaling and Central EP, Receptors
Anna Eskilsson, Kiseko Shionoya, David Engblom, and Anders Blomqvist

5219 GPR84 Is Essential for the Taste of Medium Chain Saturated Fatty Acids
Yan Liu, Han Xu, Naima Dahir, Ashley Calder, Fangjun Lin, and Timothy A. Gilbertson
Temporal Relations between Cortical Network Oscillations and Breathing Frequency during REM Sleep
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BEHAVIORAL/COGNITIVE

The Ventral and Dorsal Default Mode Networks Are Dissociably Modulated by the Vividness and Valence of Imagined Events
Sangil Lee, Trishala Parthasarathi, and Joseph W. Kable

Neural Responses to Heartbeats Detect Residual Signs of Consciousness during Resting State in Postcomatose Patients
Diego Candia-Rivera, Jitka Annen, Olivia Gossories, Charlotte Martial, Aurore Thibaut, Steven Laureys, and Catherine Tallon-Baudry

Hand-Selective Visual Regions Represent How to Grasp 3D Tools: Brain Decoding during Real Actions
Ethan Knights, Courtney Mansfield, Diana Tonin, Janak Saada, Fraser W. Smith, and Stéphanie Rossit

Associate Learning Requires Neurofibromin to Modulate GABAergic Inputs to Drosophila Mushroom Bodies
Eirini-Maria Georganta, Anastasios Moressis, and Efthimios M.C. Skoulakis

NEUROBIOLOGY OF DISEASE

The Modulatory Effect of Motor Cortex Astrocytes on Diabetic Neuropathic Pain
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Estradiol Regulation of the Prelimbic Cortex and the Reinstatement of Cocaine Seeking in Female Rats

Modality-Specific Impairment of Hippocampal CA1 Neurons of Alzheimer’s Disease Model Mice
Risa Takamura, Kotaro Mizuta, Yukiko Sekine, Tanvir Islam, Takashi Saito, Masaaki Sato, Masamichi Ohkura, Junichi Nakai, Toshio Ohshima, Takaomi C. Saido, and Yasunori Hayashi

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