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Cover legend: This image shows the results of a clustering model using 20 cortical targets ontology and 29 basal forebrain cell clusters. Each cluster is indicated by a different color. Left is lateral (globus pallidus), right part is medial septum). The brain-model is viewed from an anterior view that is slightly rotated lateralwards. Yellow wireframe: corpus callosum, white: contour of the brain. For more information, see the Symposium review article by Zaborsky et al., (pages 9446 – 9458) in the October 31, 2018 issue.

i This Week in The Journal

Journal Club

9615 Persistent "Sag" in Prefrontal Cortex Function following Adolescent Binge Drinking
Max E. Joffe

Research Articles

CELLULAR/MOLECULAR

9754 A53T Mutant Alpha-Synuclein Induces Tau-Dependent Postsynaptic Impairment Independently of Neurodegenerative Changes

Peter J. Teravskis, Ana Covelo, Eric C. Miller, Balvindar Singh, Héctor A. Martell-Martínez, Michael A. Benneyworth, Christopher Gallardo, Breeta R. Oxnard, Alfonso Araque, Michael K. Lee, and Dezhi Liao

DEVELOPMENT/PLASTICITY/REPAIR

9618 Angiopoietin/Tie2 Axis Regulates the Age-at-Injury Cerebrovascular Response to Traumatic Brain Injury

Thomas R. Brickler, Amanda Hazy, Fernanda Guilhaume Correa, Rujuan Dai, Elizabeth J.A. Kowalski, Ross Dickerson, Jiang Chen, Xia Wang, Paul D. Morton, Abby Whittington, Ansar Ahmed, and Michelle H Theus

9768 Regulation of the Natriuretic Peptide Receptor 2 (Npr2) by Phosphorylation of Juxtamembrane Serine and Threonine Residues Is Essential for Bifurcation of Sensory Axons

Hannes Schmidt, Deborah M. Dickey, Alexandre Dumoulin, Marie Octave, Jerid W. Robinson, Ralf Kühn, Robert Feil, Lincoln R. Potter, and Fritz G. Rathjen

SYSTEMS/CIRCUITS

9635 The Avian Basal Ganglia Are a Source of Rapid Behavioral Variation That Enables Vocal Motor Exploration

Satoshi Kojima 小島哲, Mimi H. Kao, Allison J. Doupe, and Michael S. Brainard

9648 Feature-Specific Awake Reactivation in Human V1 after Visual Training Ji Won Bang, Yuka Sasaki, Takeo Watanabe, and Dobromir Rahnev

9700 Parkinson's Disease-Linked LRRK2-G2019S Mutation Alters Synaptic Plasticity and Promotes Resilience to Chronic Social Stress in Young Adulthood
Bridget A. Matikainen-Ankney, Nebojsa Kezunovic, Caroline Menard,
Meghan E. Flanigan, Yue Zhong, Scott J. Russo, Deanna L. Benson, and George W. Huntley

9712 Inhibitory Connectivity Dominates the Fan Cell Network in Layer II of Lateral Entorhinal Cortex

Eirik S. Nilssen, Bente Jacobsen, Gunhild Fjeld, Rajeevkumar R. Nair, Stefan Blankvoort, Clifford Kentros, and Menno P. Witter

- 9728 Pathway-Specific Asymmetries between ON and OFF Visual Signals
 Sneha Ravi, Daniel Ahn, Martin Greschner, E. J. Chichilnisky, and Greg D. Field
- 9741 The Subprimary Range of Firing Is Present in Both Cat and Mouse Spinal Motoneurons and Its Relationship to Force Development Is Similar for the Two Species
 Dennis Bo Jensen, Katinka Stecina, Jacob Wienecke, Anne Hedegaard,
 Natalya Sukiasyan, Hans R. Hultborn, and Claire Francesca Meehan

BEHAVIORAL/COGNITIVE

- 9658 Unique Mapping of Structural and Functional Connectivity on Cognition Joelle Zimmermann, John D. Griffiths, and Anthony R. McIntosh
- 9668 Genomic Analyses of Visual Cognition: Perceptual Rivalry and Top-Down Control Biqing Chen, Zijian Zhu, Ren Na, Wan Fang, Wenxia Zhang, Qin Zhou, Shanbi Zhou, Han Lei, Ailong Huang, Tingmei Chen, Dongsheng Ni, Yuping Gu, Jianing Liu, Fang Fang, and Yi Rao
- 9679 The Motor Network Reduces Multisensory Illusory Perception Takenobu Murakami, Mitsunari Abe, Winnugroho Wiratman, Juri Fujiwara, Masahiro Okamoto, Tomomi Mizuochi-Endo, Toshiki Iwabuchi, Michiru Makuuchi, Akira Yamashita, Amanda Tiksnadi, Fang-Yu Chang, Hitoshi Kubo, Nozomu Matsuda, Shunsuke Kobayashi, Satoshi Eifuku, and Yoshikazu Ugawa
- 9689 Representation of Real-World Event Schemas during Narrative Perception Christopher Baldassano, Uri Hasson, and Kenneth A. Norman

NEUROBIOLOGY OF DISEASE

- 9781 Impaired Mitochondrial Fatty Acid Synthesis Leads to Neurodegeneration in Mice Remya R. Nair, Henna Koivisto, Kimmo Jokivarsi, Ilkka J. Miinalainen, Kaija J. Autio, Aki Manninen, Heikki Tanila, J. Kalervo Hiltunen, and Alexander J. Kastaniotis
- **P801** *Erratum:* The article "Can Serial Dependencies in Choices and Neural Activity Explain Choice Probabilities?" by Jan-Matthis Lueckmann, Jakob H. Macke, and Hendrikje Nienborg, appeared on pages 3495–3506 of the April 4, 2018 issue. An erratum for this article appears on p. 9801.

Correction: The article, "Neuromuscular NMDA Receptors Modulate Developmental Synapse Elimination" by Kirkwood E. Personius, Barbara S. Slusher, and Susan B. Udin, appeared on pages 8783–8789 of the August 24, 2016. A correction for this article appears on p. 9801.

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