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<th>Pub Date</th>
<th>Paper Title</th>
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<tr>
<td>Jan 2015</td>
<td>Mark E. J. Sheffield, Daniel A. Dombeck. NATURE. Calcium transient prevalence across the dendritic arbour predicts place field properties. (In vivo evidence for the existence of regenerative dendritic events in place cell dendrites of awake, behaving mice suggests an active role for dendritic spikes in building the representation of space in the hippocampus.)</td>
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<td>August 2015</td>
<td>Sidekick 2 directs formation of a retinal circuit that detects differential motion Arjun Krishnaswamy, Masahito Yamagata, Xin Duan, Y. Kate Hong &amp; Joshua R. Sanes Nature 524, 466–470 (27 August 2015) doi:10.1038/nature14682</td>
<td>No</td>
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<td>Jan 2015</td>
<td>Upward synaptic scaling is dependent on neurotransmission rather than spiking. Fong et al., 2015. Nature Communications.</td>
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<td>October 2015</td>
<td>Thalamic control of sensory selection in divided attention Ralf D. Wimmer, L. Ian Schmitt, Thomas J. Davidson, Miho Nakajima, Karl Deisseroth &amp; Michael M. Halassa Nature (2015) doi:10.1038/nature15398 Received 12 April 2015 Accepted 18 August 2015 Published online 21 October 2015</td>
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<td>July 2016</td>
<td>Multilaminar networks of cortical neurons integrate common inputs from sensory thalamus Nicolás A Morgenstern, Jacques Bourg &amp; Leopoldo Petreanu AffiliationsContributionsCorresponding author Nature Neuroscience 19, 1034–1040 (2016) doi:10.1038/nn.4339 Received 24 March 2016 Accepted 26 May 2016 Published online 04 July 2016</td>
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<td>July 2016</td>
<td>Orientation selectivity and the functional clustering of synaptic inputs in primary visual cortex - pp1003 - 1009 Daniel E Wilson, David E Whitney, Benjamin Schoell &amp; David Fitzpatrick doi:10.1038/nn.4323 In this study, Wilson et al. find that dendritic spines on neurons in the visual cortex cluster according to orientation preference. The degree of clustering on single neurons strongly predicts somatic orientation selectivity and the prevalence of local dendritic signals in the dendritic field, suggesting a role for dendritic computation in shaping orientation selectivity.</td>
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<td>August 2016</td>
<td><a href="http://www.nature.com/resources.library.brandeis.edu/nature/journal/v536/n7615/full/nature19058.html">http://www.nature.com/resources.library.brandeis.edu/nature/journal/v536/n7615/full/nature19058.html</a> A trans-synaptic nanocolumn aligns neurotransmitter release to receptors Ai-Hui Tang, Haiwen Chen, Tuo P. Li, Sarah R. Metzbower, Harold D. MacGillavry &amp; Thomas A. Blanpied Nature 536, 210–214 (11 August 2016) doi:10.1038/nature19058 Received 24 July 2015 Accepted 27 June 2016 Published online 27 July 2016</td>
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<td>2016</td>
<td>Evidence for Acute Electrophysiological and Cognitive Changes Following Routine Soccer Heading DOI: <a href="http://dx.doi.org/10.1016/j.ebiom.2016.10.029">http://dx.doi.org/10.1016/j.ebiom.2016.10.029</a></td>
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<td>Sept 2017</td>
<td><a href="http://rdcu.be/v2ss">http://rdcu.be/v2ss</a> Axonal synapse sorting in medial entorhinal cortex Nature</td>
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<td>Nov 2017</td>
<td><a href="https://www.ncbi.nlm.nih.gov/pubmed/28965759">https://www.ncbi.nlm.nih.gov/pubmed/28965759</a> Temporal Control of Mammalian Cortical Neurogenesis by m6A Methylation Ce II 2017 Written up in Nature in <a href="https://www.nature.com/articles/d41586-017-07269-7">https://www.nature.com/articles/d41586-017-07269-7</a></td>
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