Article of the Month

By elsc_admin
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Article of the Month, March 2017 - Deouell's lab
Neural mechanisms of rhythm-based temporal prediction: Delta phase-locking reflects temporal predictability but not rhythmic entrainment
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Article of the Month 02/2017 - Segev's lab
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Article of the Month 01/2017 - Burak's lab
Shaping Neural Circuits by High Order Synaptic Interactions - Neta Ravid Tenenbaum and Yoram Burak - PLoS Computational Biology, 2016
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Distinct Spatiotemporal Response Properties of Excitatory Versus Inhibitory Neurons in the Mouse Auditory Cortex
Ido Maor, Amos Shalev, and Adi Mizrahi

The researchers mapped the cortical projections from various sensory, motor, and executive cortices to the claustrum of the mouse.

Mallet et al. (2016) show that arkypallidal neurons provide a Stop signal, suppressing the development of Go-related striatal activity.

In the present publication, Aviv Mezer and Shai Berman, together with researchers from Stanford University and the University of Washington, test the ability to quantify PD and separate it from the instrumental bias.

Multisensory processes are fundamental in perception, cognition, learning, and behavior. How do stimuli of different sensory modalities are integrated?

This Article of the month: Evaluating Quantitative Proton-Density-Mapping Methods is the work of Aviv Mezer, Ariel Rokem, Shai Berman, Trevor Hastie, and Brian A. Wandell.
Article of the Month September 2016
This Article of the Month "KV7/M channels as targets for lipopolysaccharide-induced inflammatory neuronal hyperexcitability" is the work of Arik Tzour, Hodaya Leibovich, Omer Barkai, Yoav Biala1, Shaya Lev, Yoel Yaari, Alexander M. Binshtok.
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Safra Neuron Screen: Design and Fabrication  Abstract:
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The Impact of Structural Heterogeneity on Excitation-Inhibition Balance in Cortical Networks Itamar D. Landau, Robert Egger, Vincent J. Dercksen, Marcel Oberlaender, Haim Sompolinsky
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Article of the Month December 2016
Pallidal spiking activity reflects learning dynamics and predicts performance Eitan Schechtman, Maria Imelda Noblejas, Aviv D. Mizrahib, Omer Dauber, Hagai Bergman
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