

# Fast Oscillations In Cortical Circuits.pdf

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## [Gamma wave - Wikipedia](#)

Thu, 14 Jun 2018 00:02:00 GMT

A gamma wave is a pattern of neural oscillation in humans with a frequency between 25 and 100 Hz, though 40 Hz is typical. According to a popular theory, gamma waves may be implicated in creating the unity of conscious perception (the binding problem).

## [Annual Review of Neuroscience | Home](#)

Sat, 16 Jun 2018 07:09:00 GMT

## [Neural coding - Wikipedia](#)

Sun, 17 Jun 2018 08:12:00 GMT

Phase-of-firing code is a neural coding scheme that combines the spike count code with a time reference based on oscillations. This type of code takes into account a time label for each spike according to a time reference based on phase of local ongoing oscillations at low or high frequencies.

## [Spontaneous Infra-slow Brain Activity Has Unique ...](#)

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Figure 1. Correlations and TDs in Wide-Field Imaging of Spontaneous Calcium Activity in Mouse Cortex (A) Calcium fluorescence and Hgb absorbance were concurrently imaged in the dorsal cortical surface of Thy1/GCaMP6 mice using four high-power LEDs (STAR Methods STAR Methods).

## [Observing the cell in its native state: Imaging ...](#)

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The living cell contains dynamic, spatially complex subassemblies that are sensitive to external perturbations. To minimize such perturbations, cells should be imaged in their native multicellular environments, under as gentle illumination as possible.

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