



Title	Neural oscillations in the primate caudate nucleus correlate with different preparatory states for temporal production
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Citation	Communications biology, 2, 102 https://doi.org/10.1038/s42003-019-0345-2
Issue Date	2019-03-14
Doc URL	http://hdl.handle.net/2115/73873
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Type	article
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File Information	s42003_2019_345_MOESM3_ESM.pdf



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- The exact sample size (n) for each experimental group/condition, given as a discrete number and unit of measurement
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Give P values as exact values whenever suitable.
- For Bayesian analysis, information on the choice of priors and Markov chain Monte Carlo settings
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Software and code

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Data collection

TEMPO system (Reflective Computing)

Data analysis

MATLAB (Mathworks)

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The data that support the findings of this study are available from the authors upon reasonable request.

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Life sciences study design

All studies must disclose on these points even when the disclosure is negative.

Sample size	Local field potential data obtained from 45 recording sites in the caudate nuclei of three macaque monkeys.
Data exclusions	No data exclusions. Details of data collection and re-referencing of LFP data obtained from multichannel electrodes are provided in the Methods.
Replication	All findings were statistically evaluated.
Randomization	This is not applicable because this study does not contain clinical data.
Blinding	For the reason above, this is not applicable.

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Materials & experimental systems

n/a	Included in the study
<input checked="" type="checkbox"/>	<input type="checkbox"/> Antibodies
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Methods

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<input checked="" type="checkbox"/>	<input type="checkbox"/> ChIP-seq
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Animals and other organisms

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Laboratory animals	Macaque fuscata (Japanese monkeys)
Wild animals	No wild animal was used. All monkeys were raised for experiments and were provided by the National Bio-resource Project in Japan.
Field-collected samples	N.A.
Ethics oversight	The Hokkaido University Animal Care and Use Committee evaluated and approved the experimental protocols.

Note that full information on the approval of the study protocol must also be provided in the manuscript.

Magnetic resonance imaging

Experimental design

Design type	T2-weighted structural MRI for locating the recording sites.
Design specifications	Taken from anesthetized animals.
Behavioral performance measures	Not applicable. We did not obtain functional MRI.

Acquisition

Imaging type(s)	structural
Field strength	3.0 T
Sequence & imaging parameters	3D T2-weighted images with 0.5-mm slices.
Area of acquisition	State whether a whole brain scan was used OR define the area of acquisition, describing how the region was determined.

Diffusion MRI Used Not used

Preprocessing

Preprocessing software

Normalization

Normalization template

Noise and artifact removal

Volume censoring

Statistical modeling & inference

Model type and settings

Effect(s) tested

Specify type of analysis: Whole brain ROI-based Both

Anatomical location(s)

Statistic type for inference
(See [Eklund et al. 2016](#))

Correction

Models & analysis

n/a | Involved in the study

Functional and/or effective connectivity

Graph analysis

Multivariate modeling or predictive analysis