

# Transformation of color signals in macaque V1 G3-4

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We quantitatively compared the color selectivity of neurons in the lateral geniculate nucleus (LGN) and the primary visual cortex (V1) of the monkey. Results indicate that there is significant change in color signals between LGN and V1.

All data can be seen in VISIOME Platform

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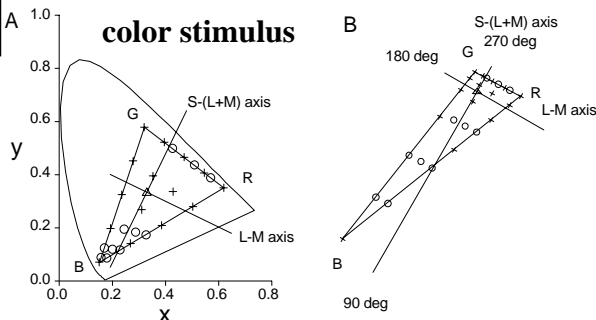


Fig. 1: color stimuli are based on either the (A) CIE-xy or the (B) MacLeod-Boynton (MB) chromaticity diagrams.

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## color selective responses

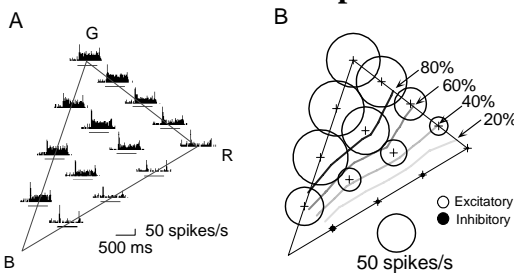


Fig. 2: responses of an example of color-selective V1 neuron

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## Color selectivity of LGN neurons

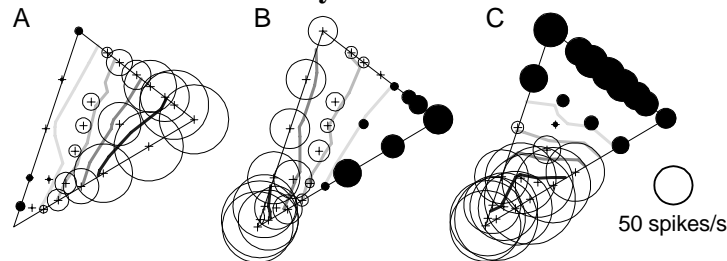


Fig. 4: Examples of color selectivity in LGN

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## Distribution of tuning directions in MB diagram

