

# Color categorization in macaques

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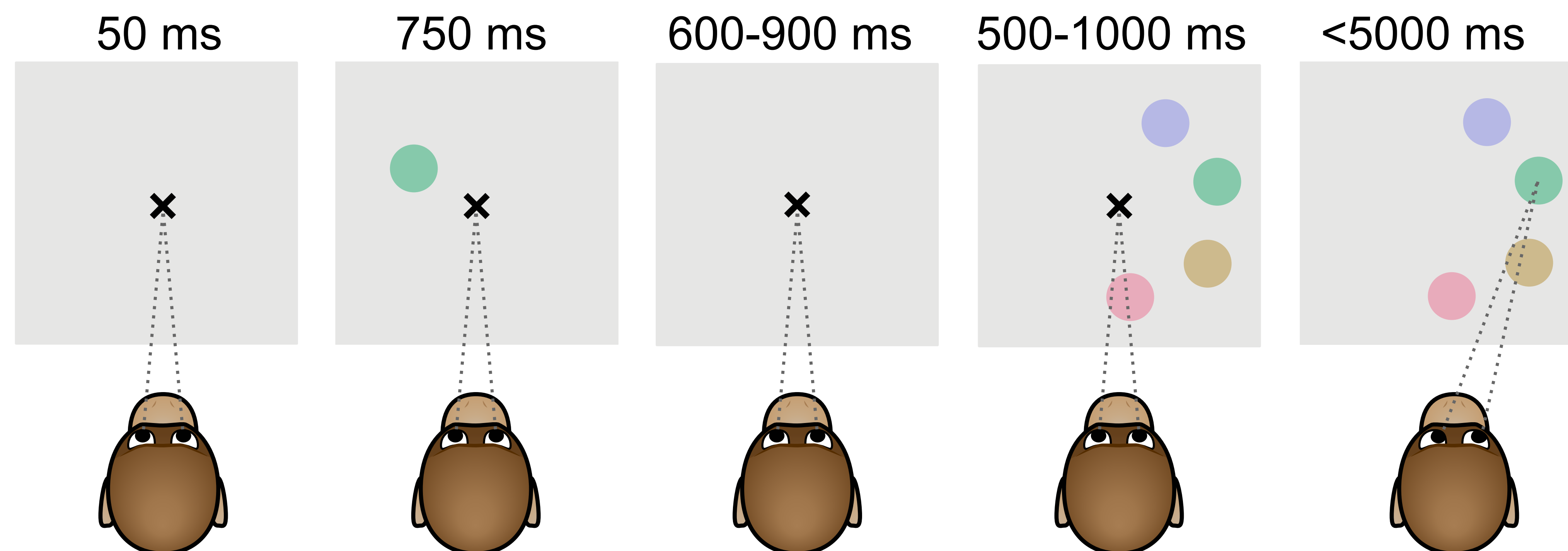
## Categorization is a hallmark of high-level cognition.

Memories get biased towards categorical representations in humans.

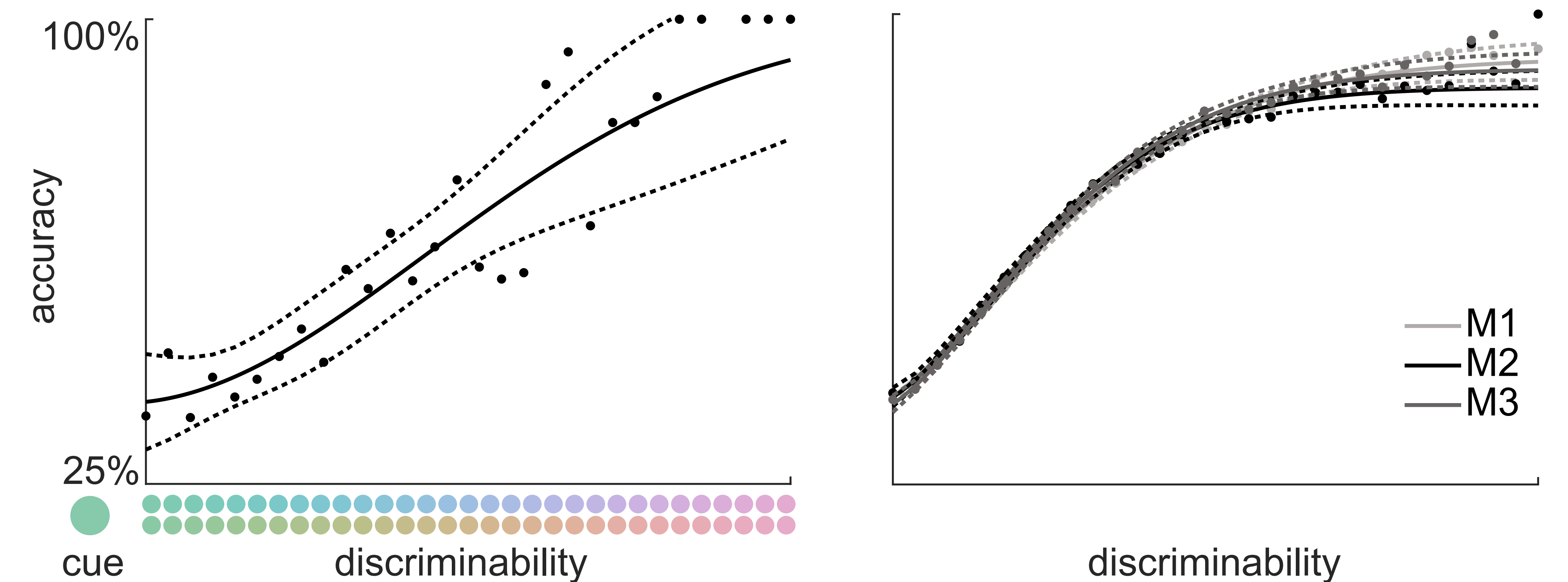
We can use this knowledge to examine whether macaques have color categories like humans do.

This is valuable to know for the interpretation of neurophysiological data, and also to test theories about categorization in humans.

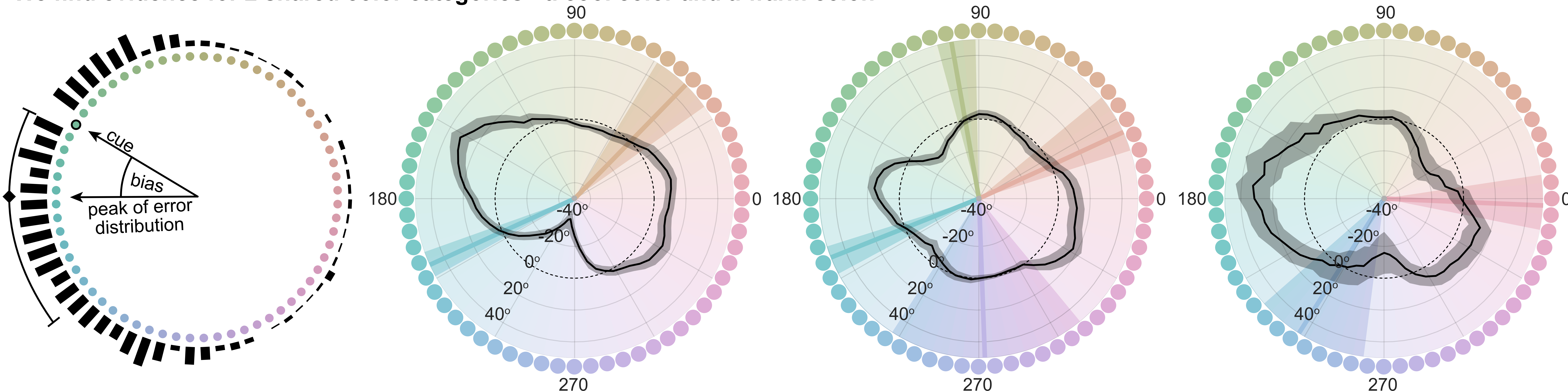
## 4-AFC Paradigm



## All animals have high accuracy on easy trials.



## We find evidence for 2 shared color categories - a cool color and a warm color.



These results suggest that **trichromatic primates innately categorize colors into two essential categories** (warm vs. cool colors), and that additional **color categories reflect differences in color use across species and cultures**.