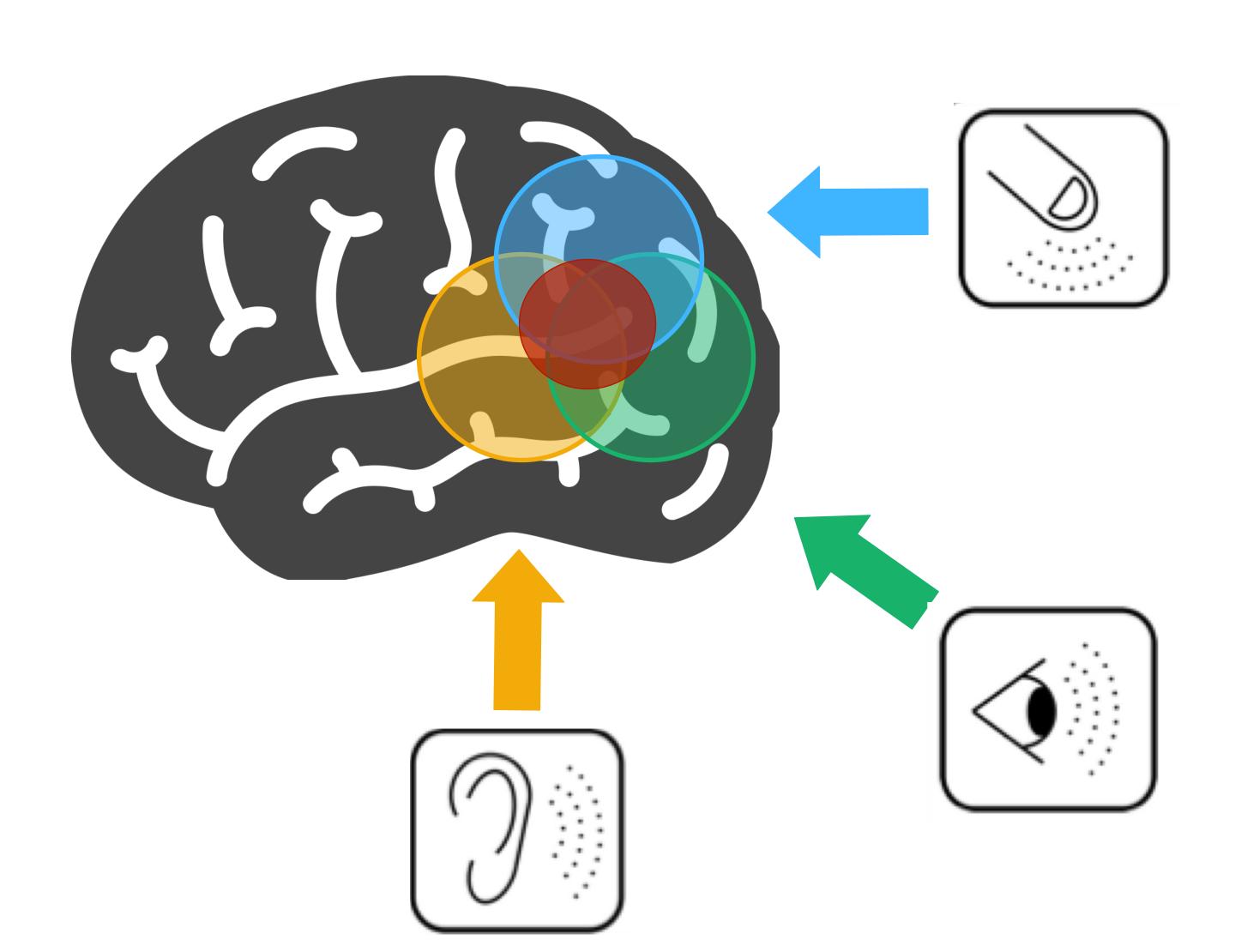


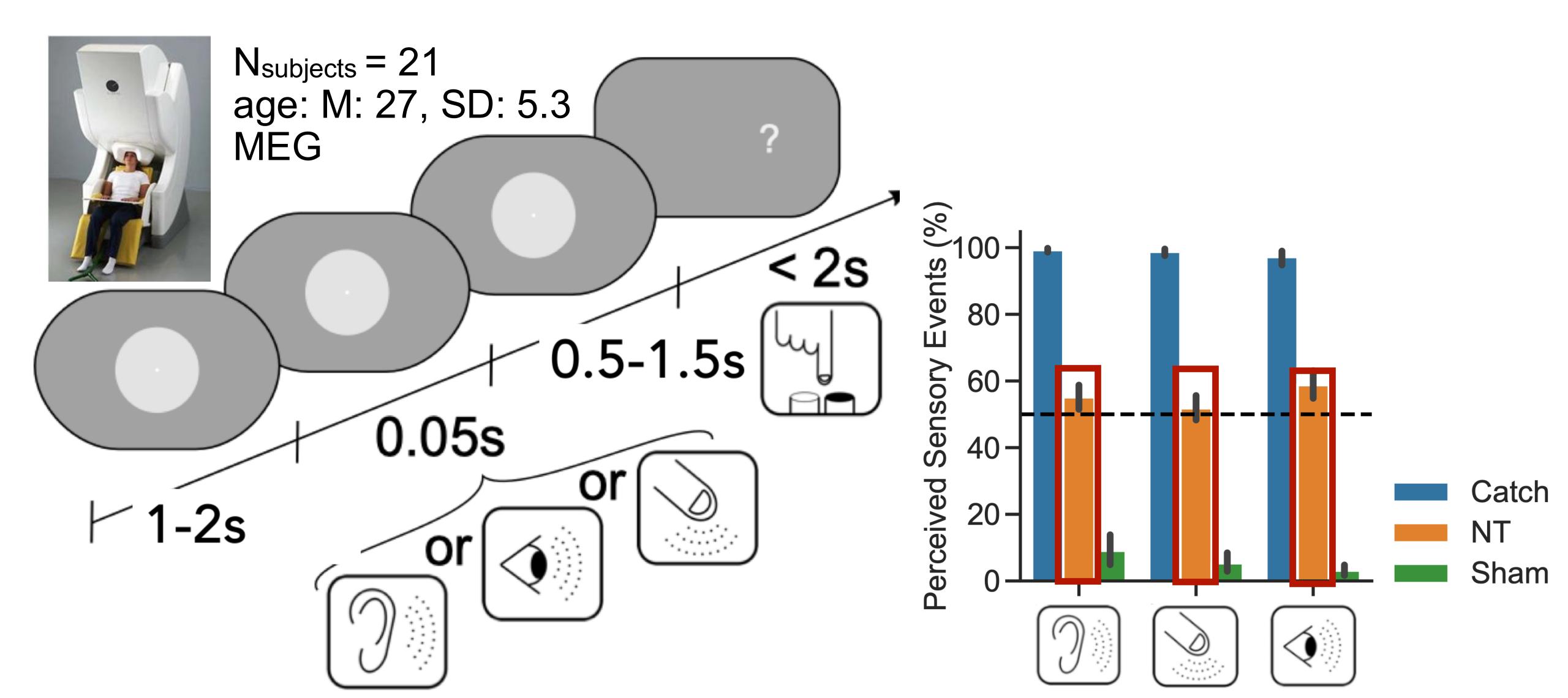
# The role of **Elember Statis** in supra-sensory perception

### What is supra-sensory perception?

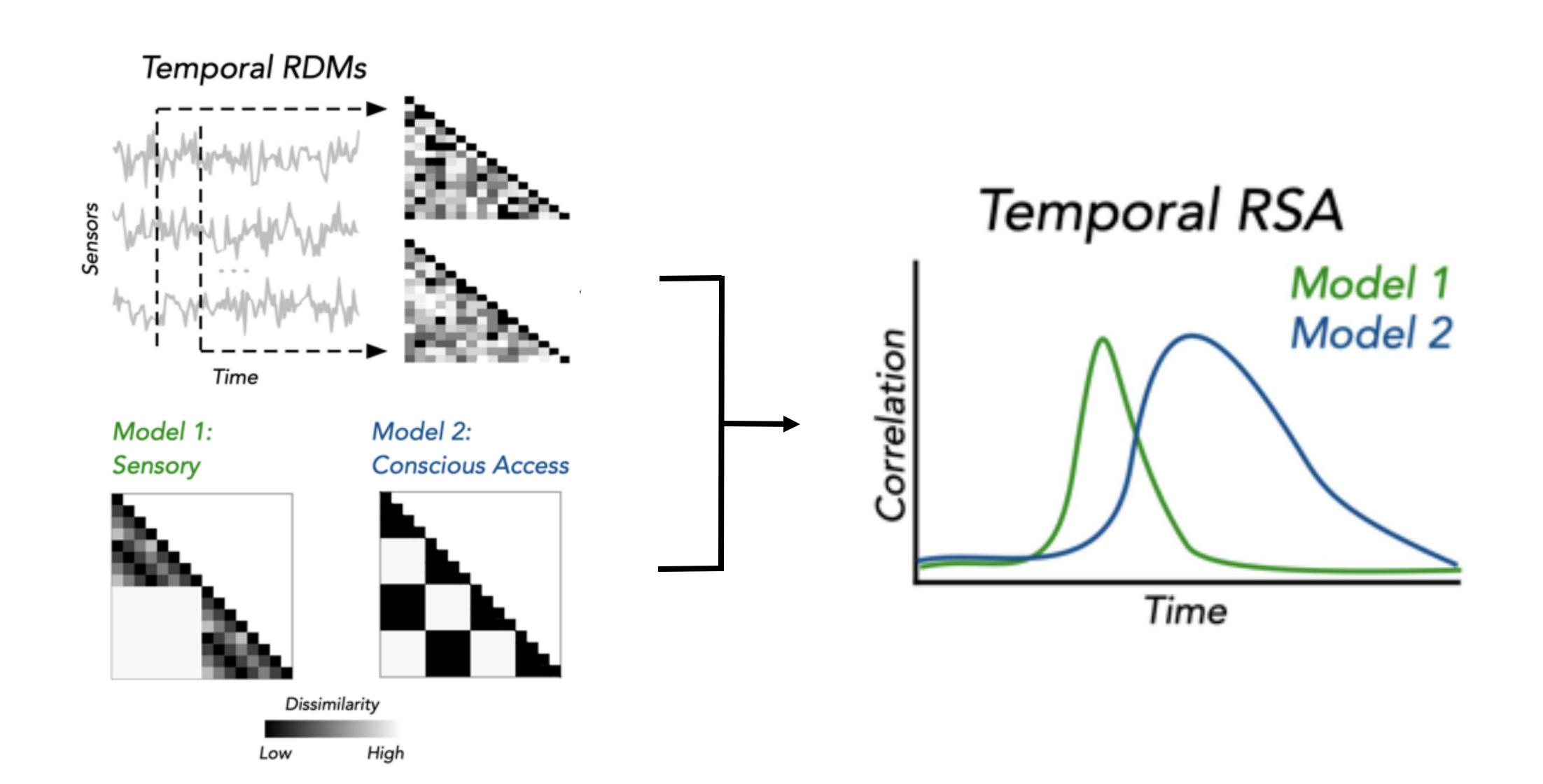
Is the conscious percept of hearing a sound, seeing a flash or feeling a touch linked to one common core-brain activity pattern?



## Distinguishing (un)-conscious percepts using multi-sensory near-threshold paradigm



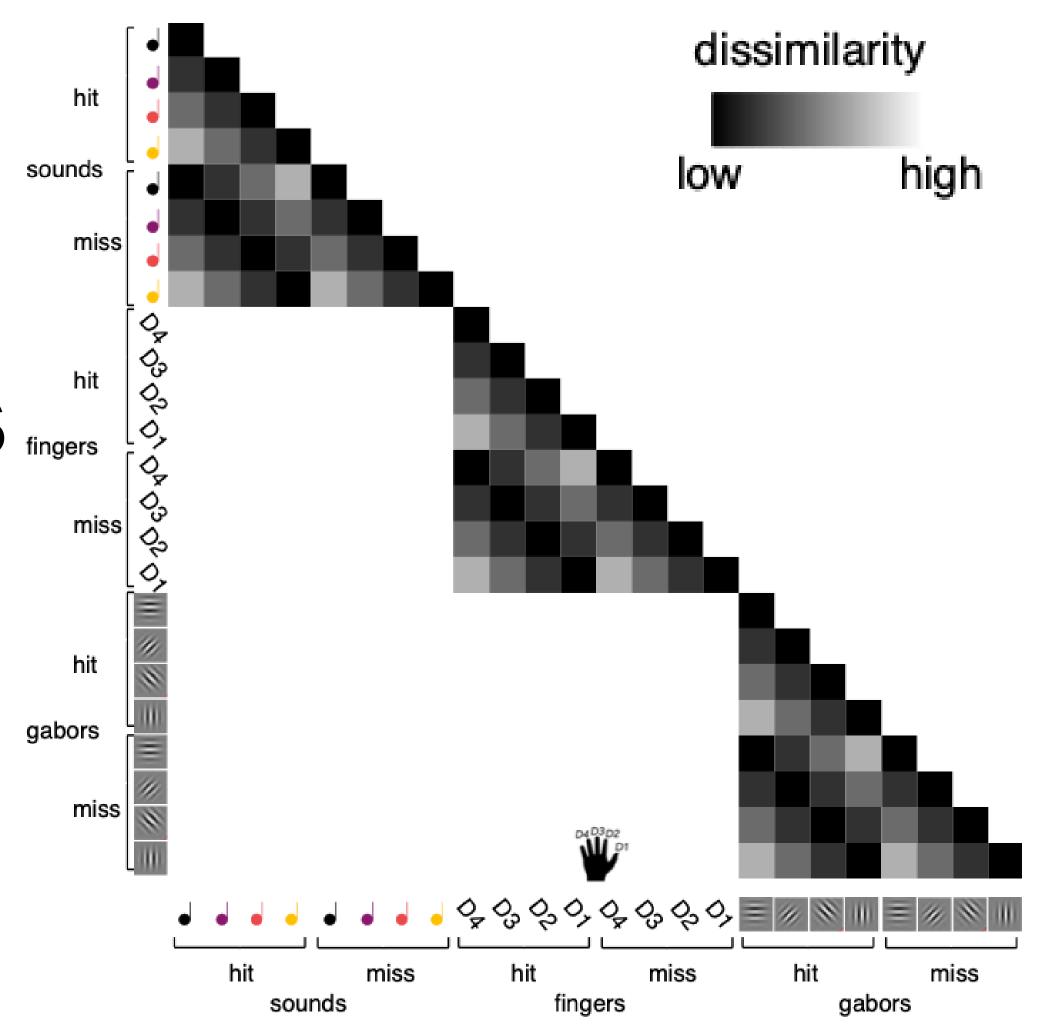
## Assessing similarities across senses by computing dissimilarities over time



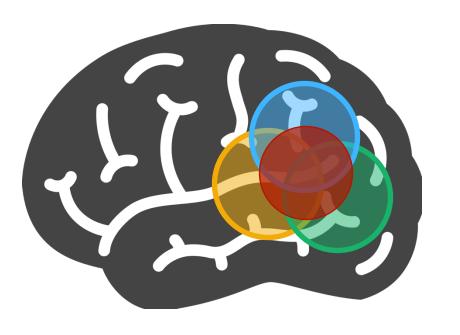
### Sensory model of perception



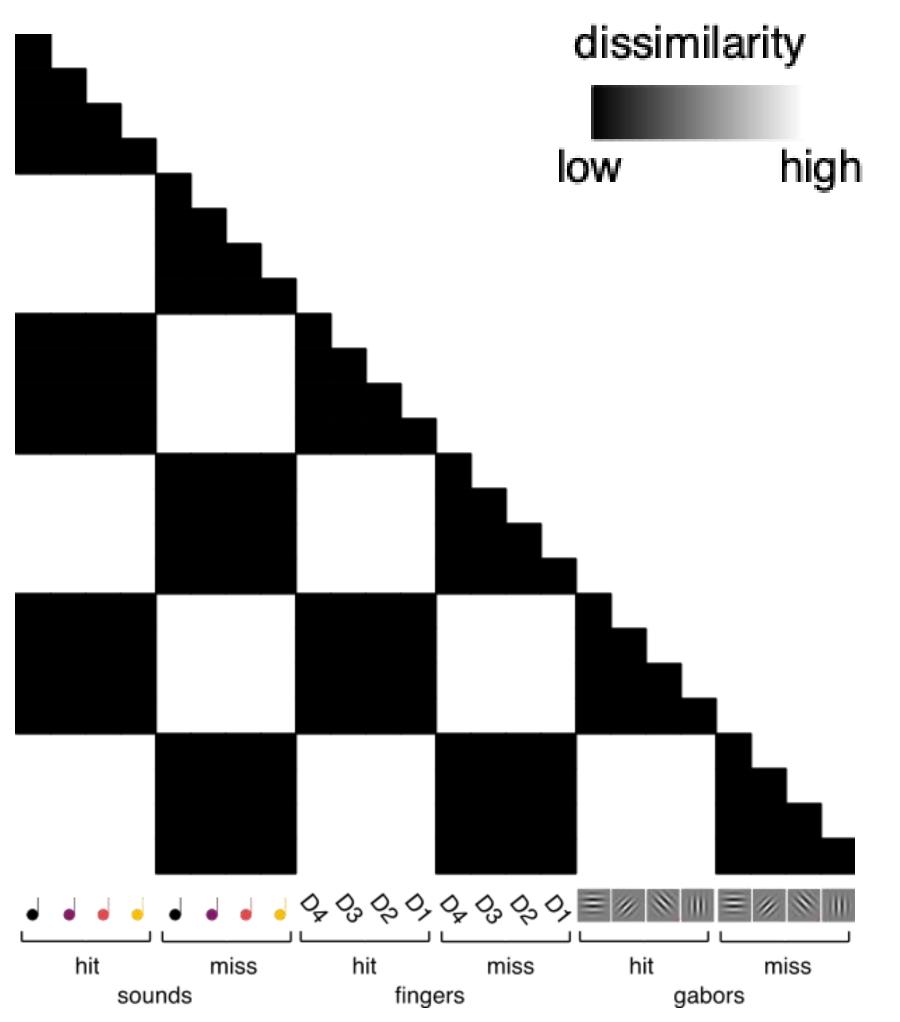
Sensory model means
similar activity per percept,
but different activity across
the senses.

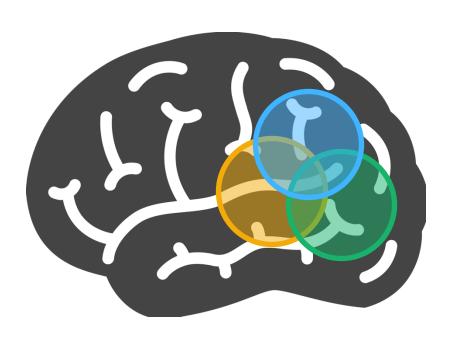


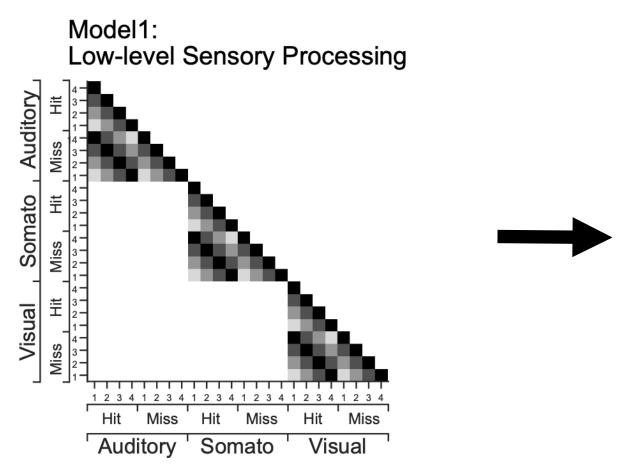
### Supra-sensory model of perception



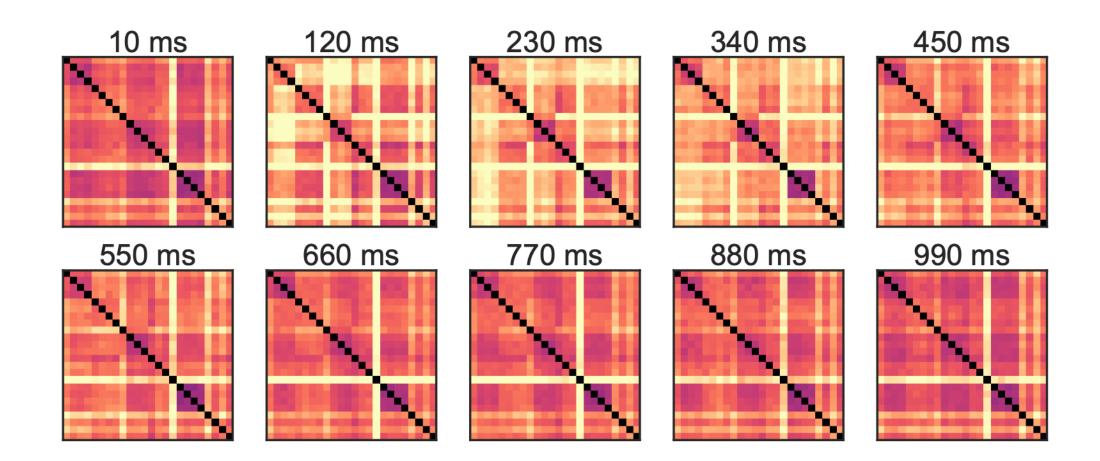
Supra-sensory model means different activity per percept, but similar activity across the senses.

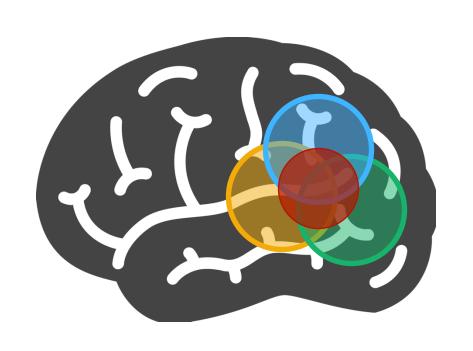


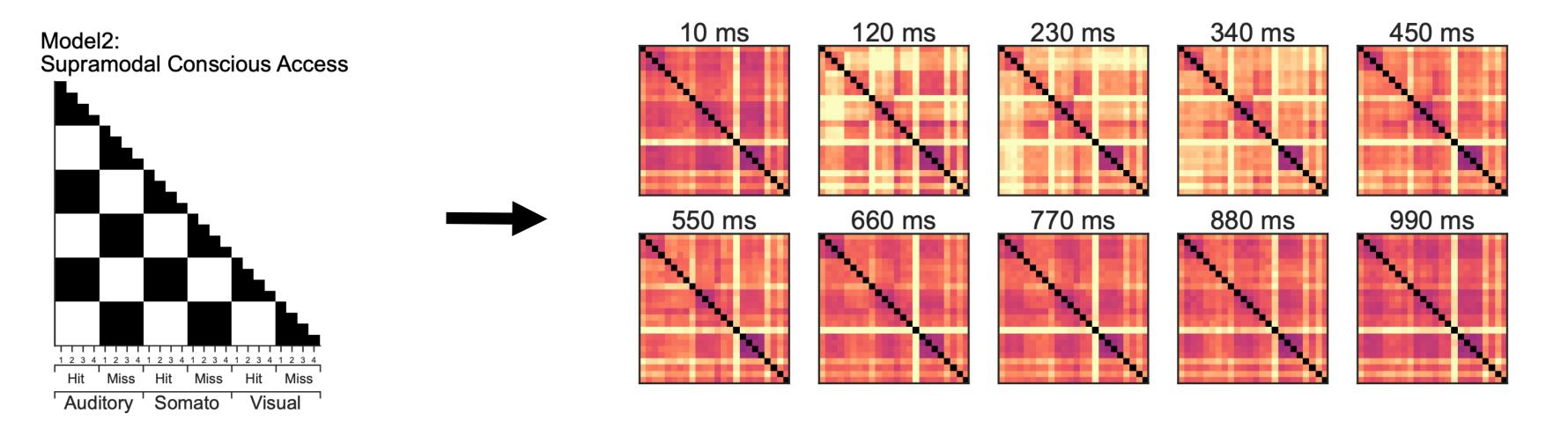






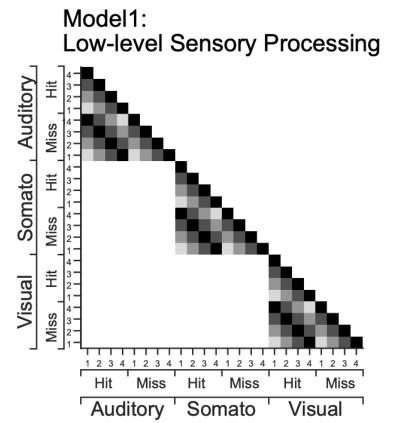






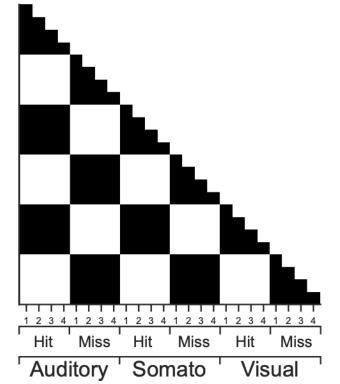
Supra-Sensory Model

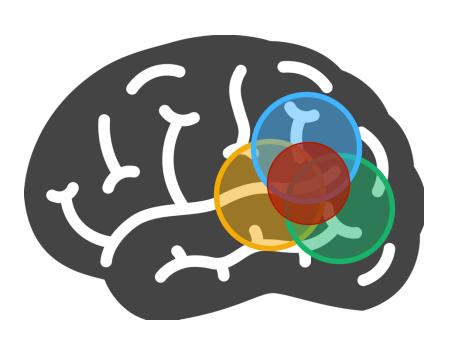


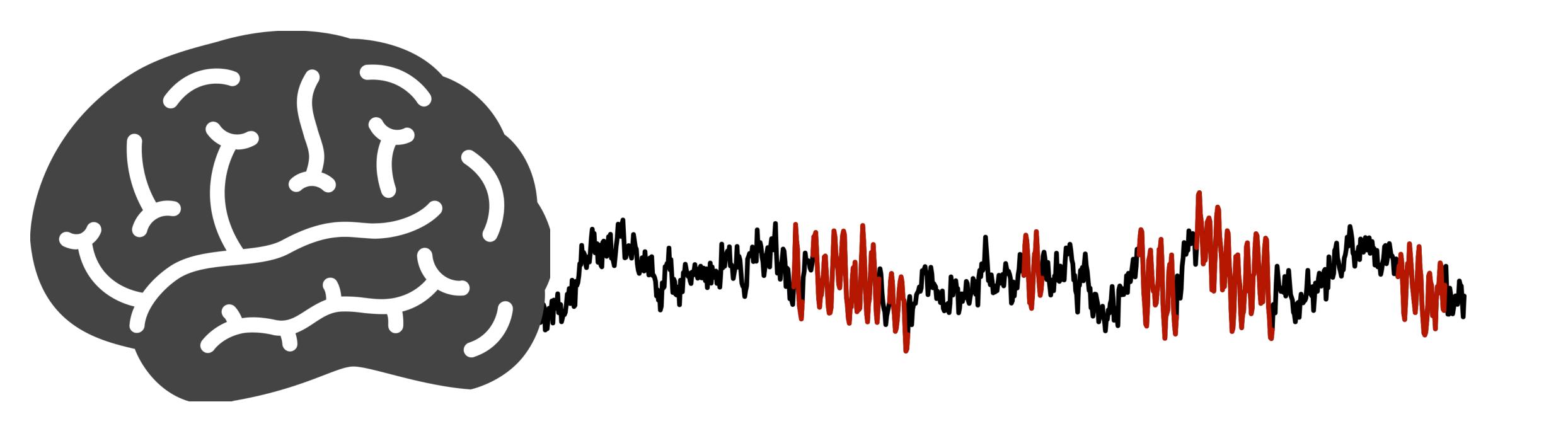


VS.

#### Model2: Supramodal Conscious Access

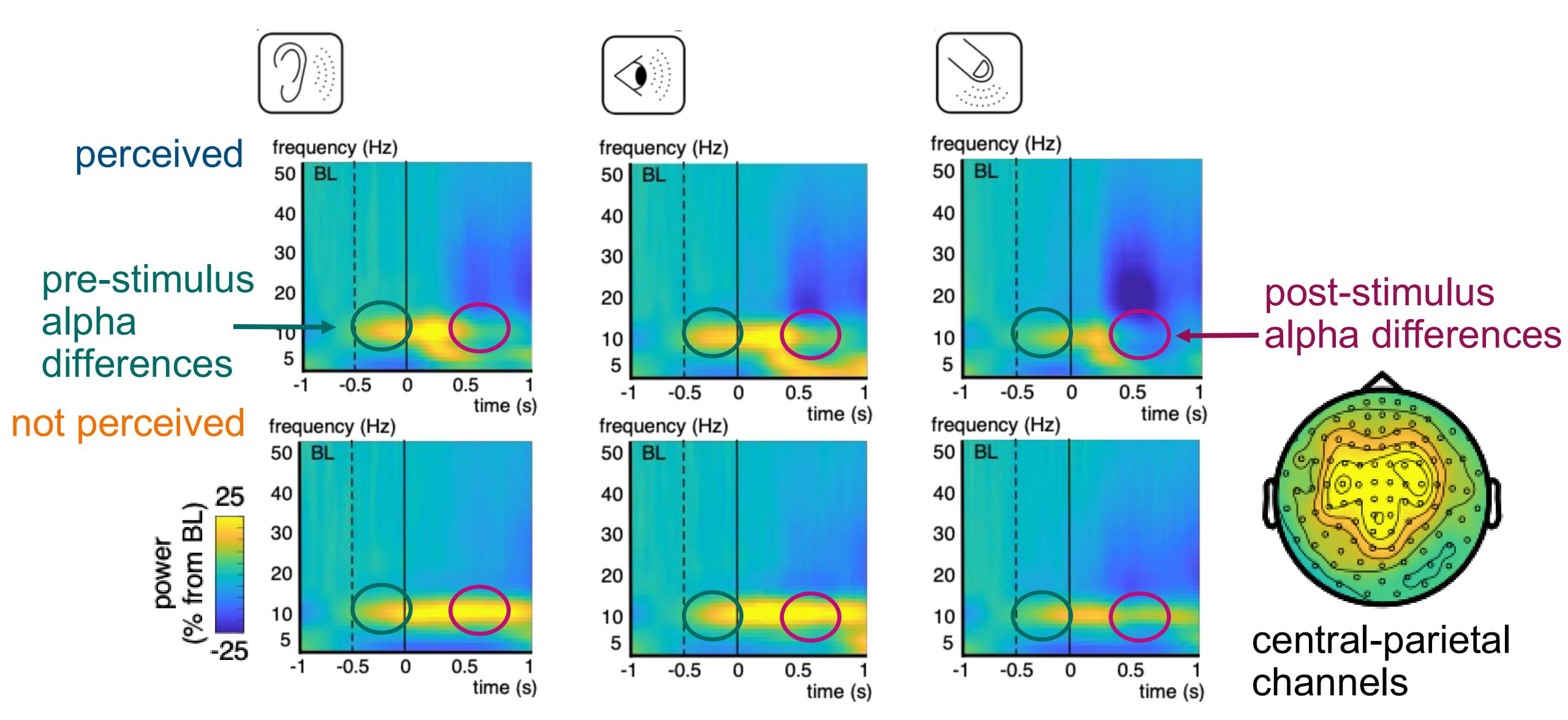






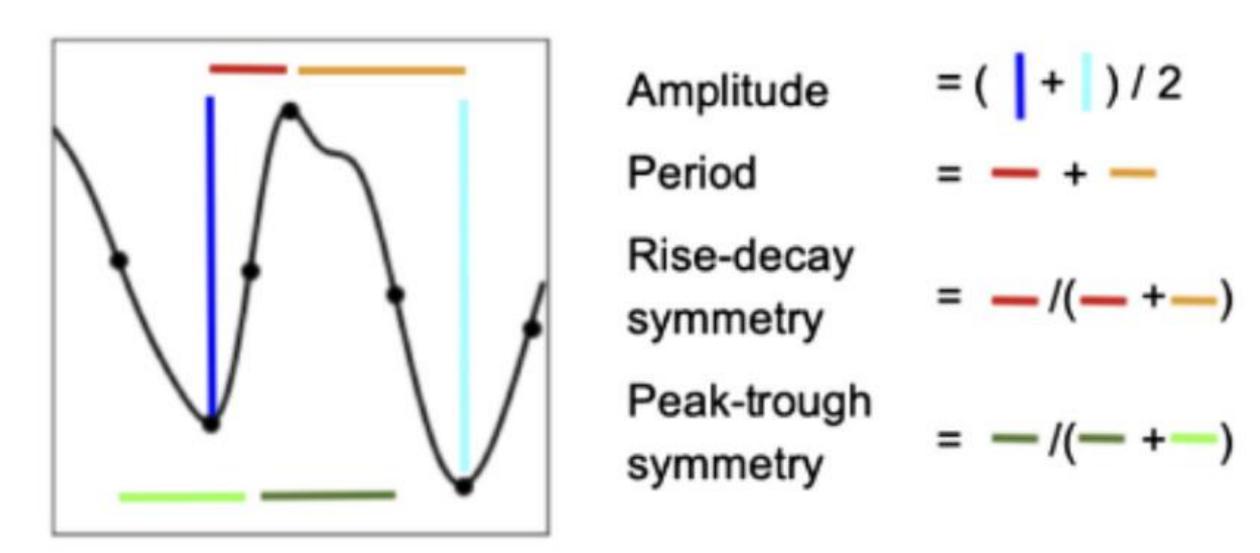
Are these patterns of suprasensory perception related to specific patterns of brain activity?

## Similarities in perception related alpha band differences across senses



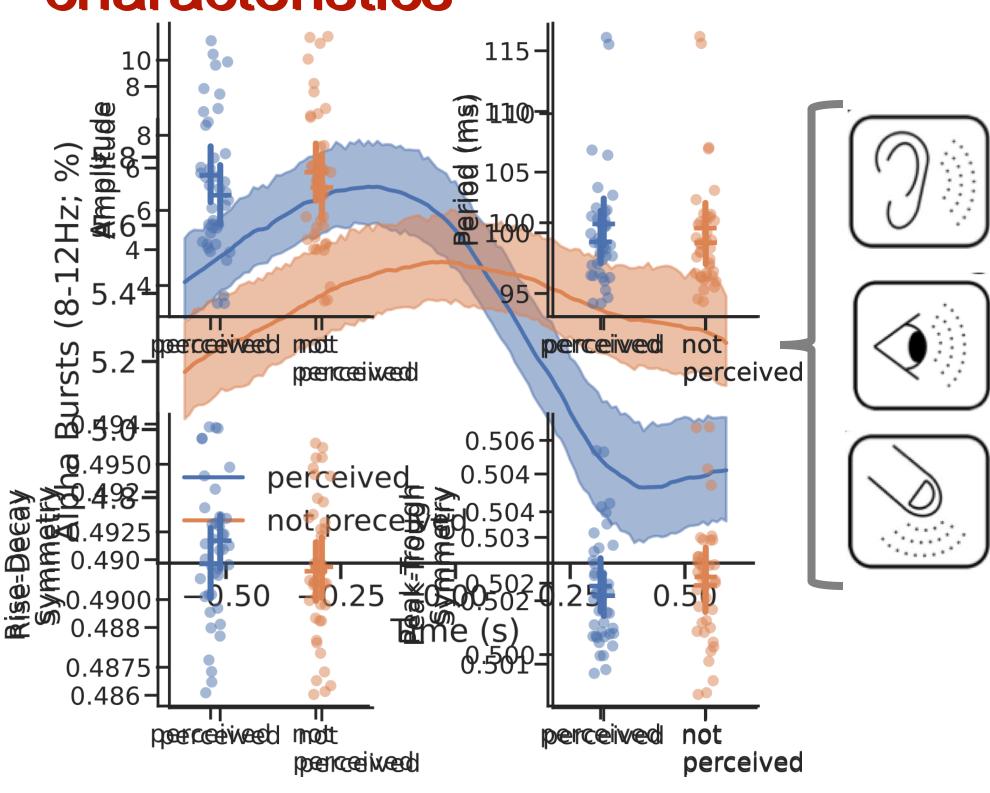
## Applametrizing dodiefeas tivetty each sasses sifully there aliqued bad of the excepted trials

#### Cycle-by-cycle burst detection

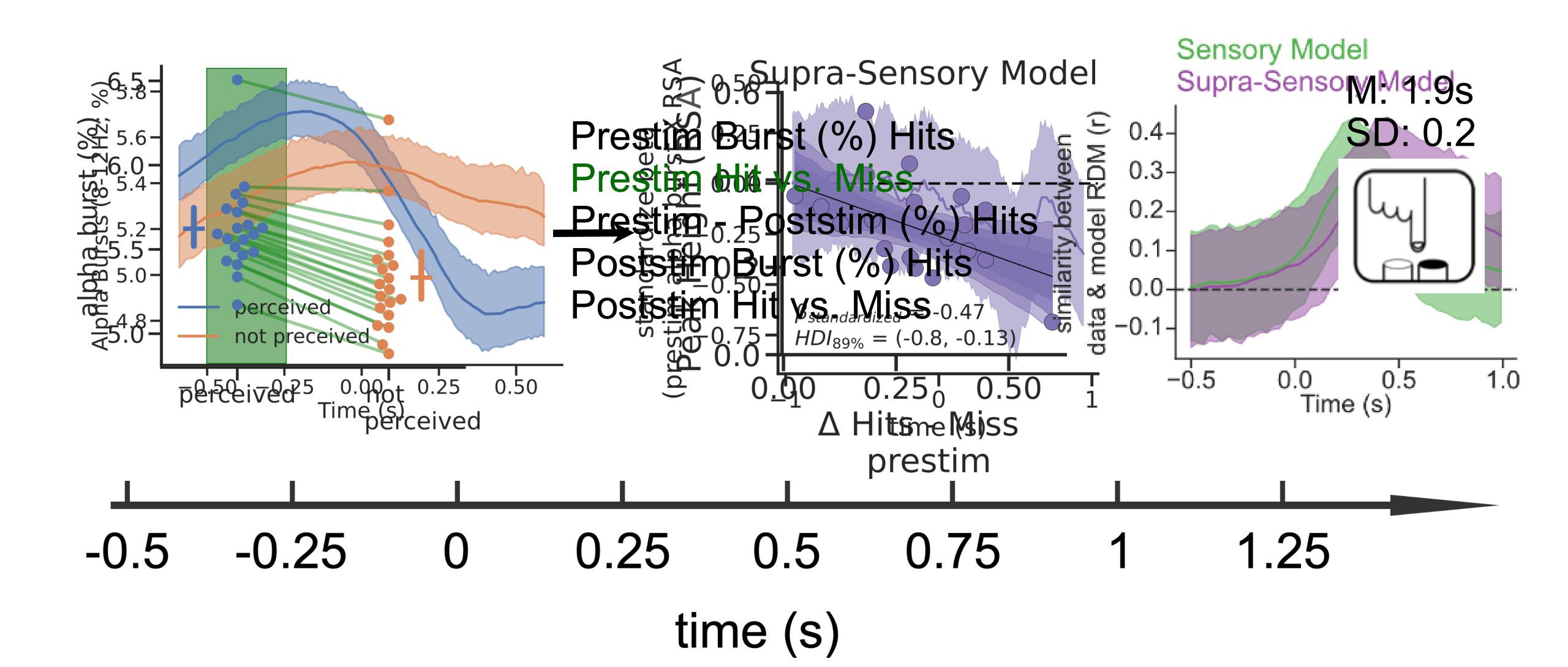


Cole & Voytek, 2019

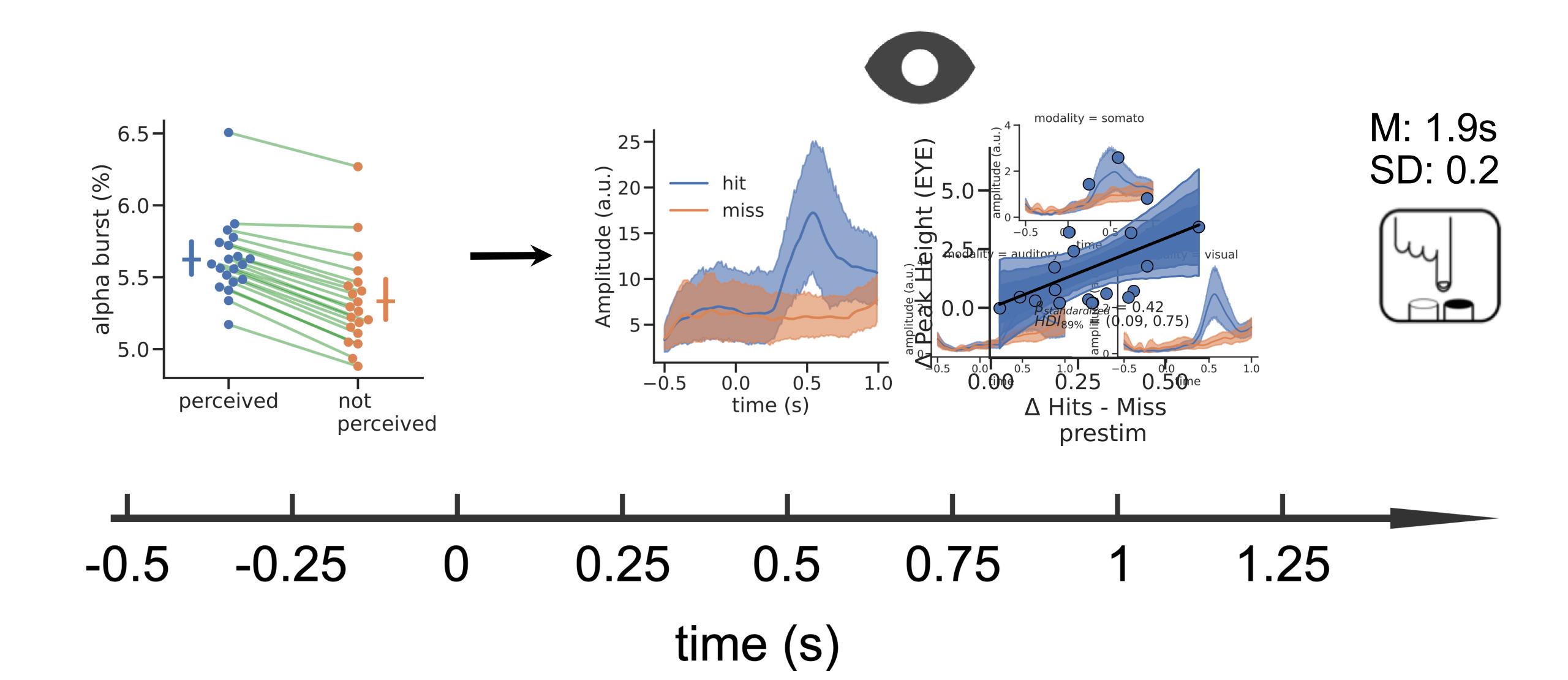
#### poststimulussdiffeeeroessimbuust characteristics



#### pre-stimulus alpha burst rate predicts suprasensations

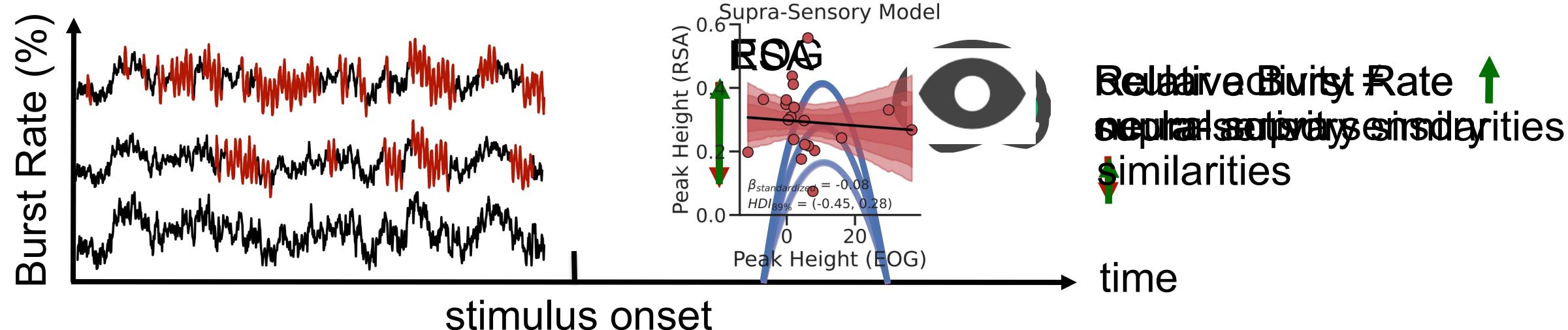


## pre-stimulus alpha burst rate predicts post-stimulus oculomotor activity



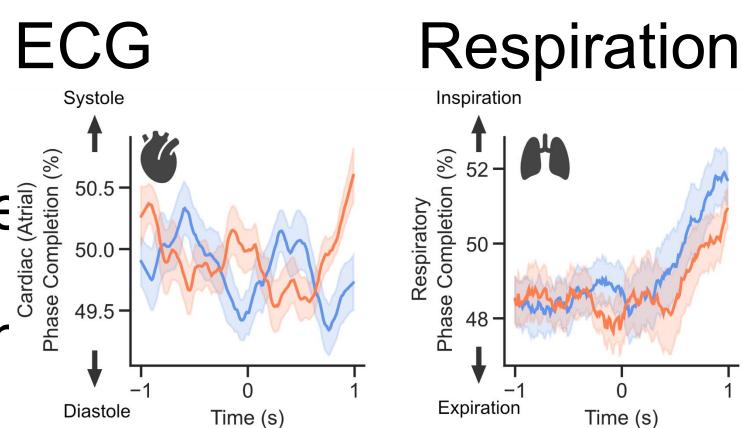
### Summary

Alpha bursts differently predict neurophysiological and ocular responses associated with conscious supra-sensory near threshold perception



pre-stimulus alpha bursts. Next steps: are supra-sensations and alpha

- bursts generaled by oneoinscitate sereption abross se body?
- pretentialedifferancesvier trapping, and care itater neural ar phase for successful perception across all senses.



Acknowledgements









Österreichischer Wissenschaftsfonds







