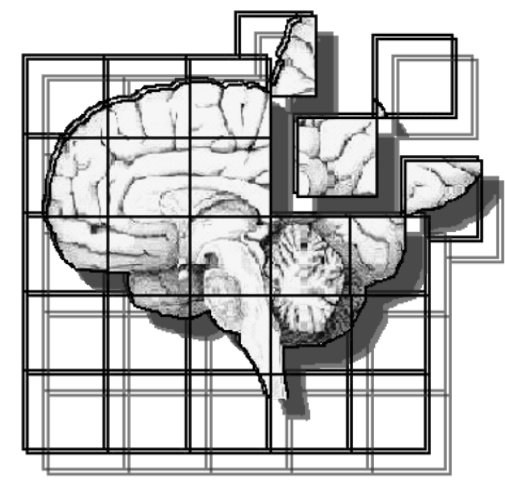


# Disassociation between Reaction Time and Pupil Dilation in the Stroop Task



Ronen Hershman<sup>1,2</sup> and Avishai Henik<sup>2,3</sup>

<sup>1</sup>Department of Cognitive and Brain Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel

<sup>2</sup>Zlotowski Center for Neuroscience, Ben-Gurion University of the Negev, Beer-Sheva, Israel

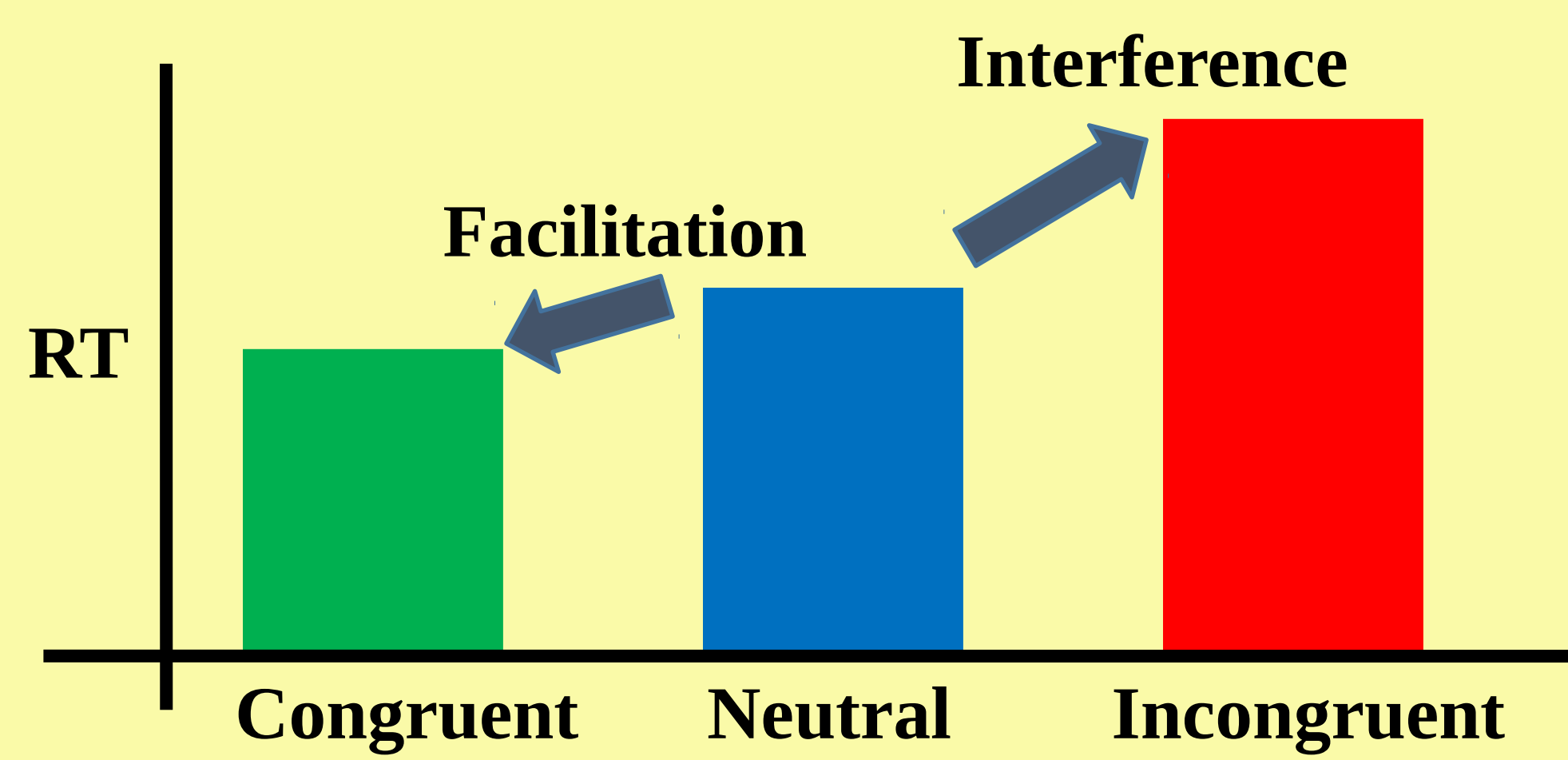
<sup>3</sup>Department of Psychology, Ben-Gurion University of the Negev, Beer-Sheva, Israel



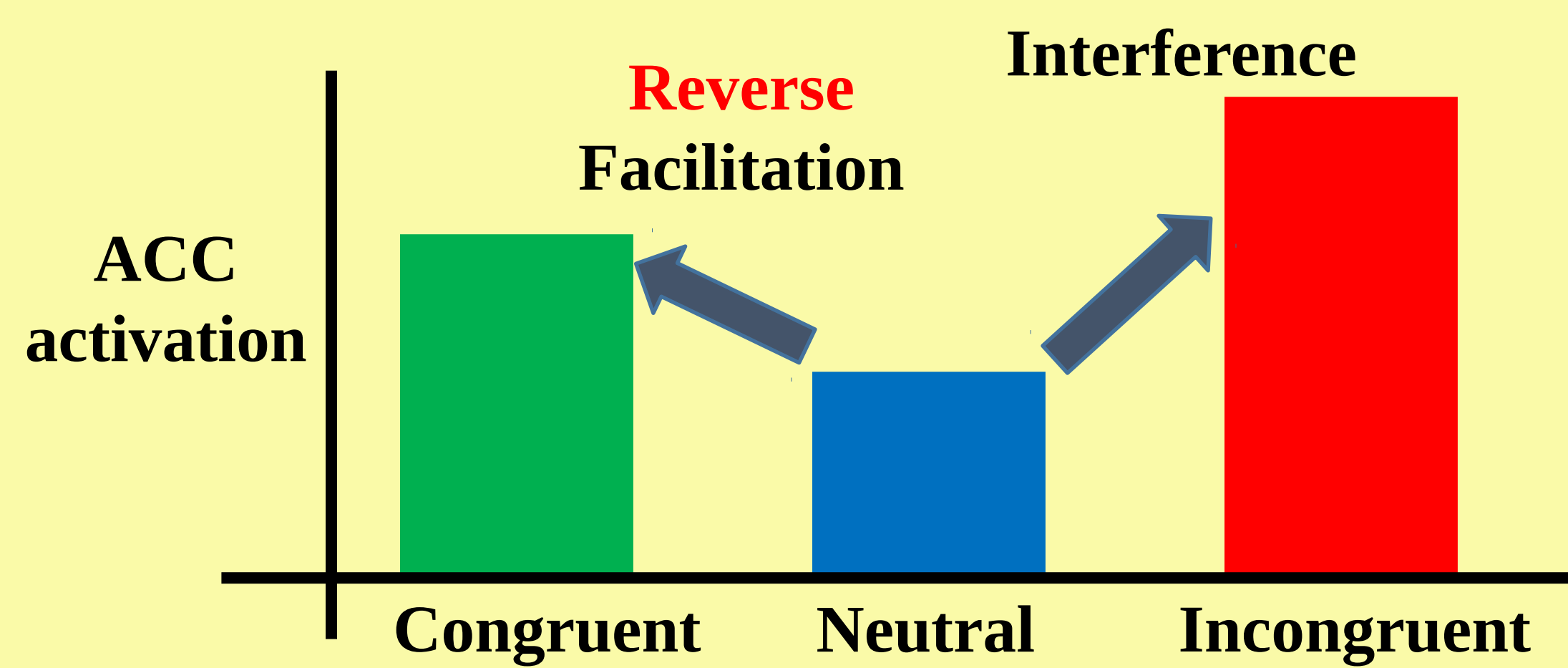
מרכז זלוטובסקי למדעי העצב  
Zlotowski Center for Neuroscience

## Background – previous works

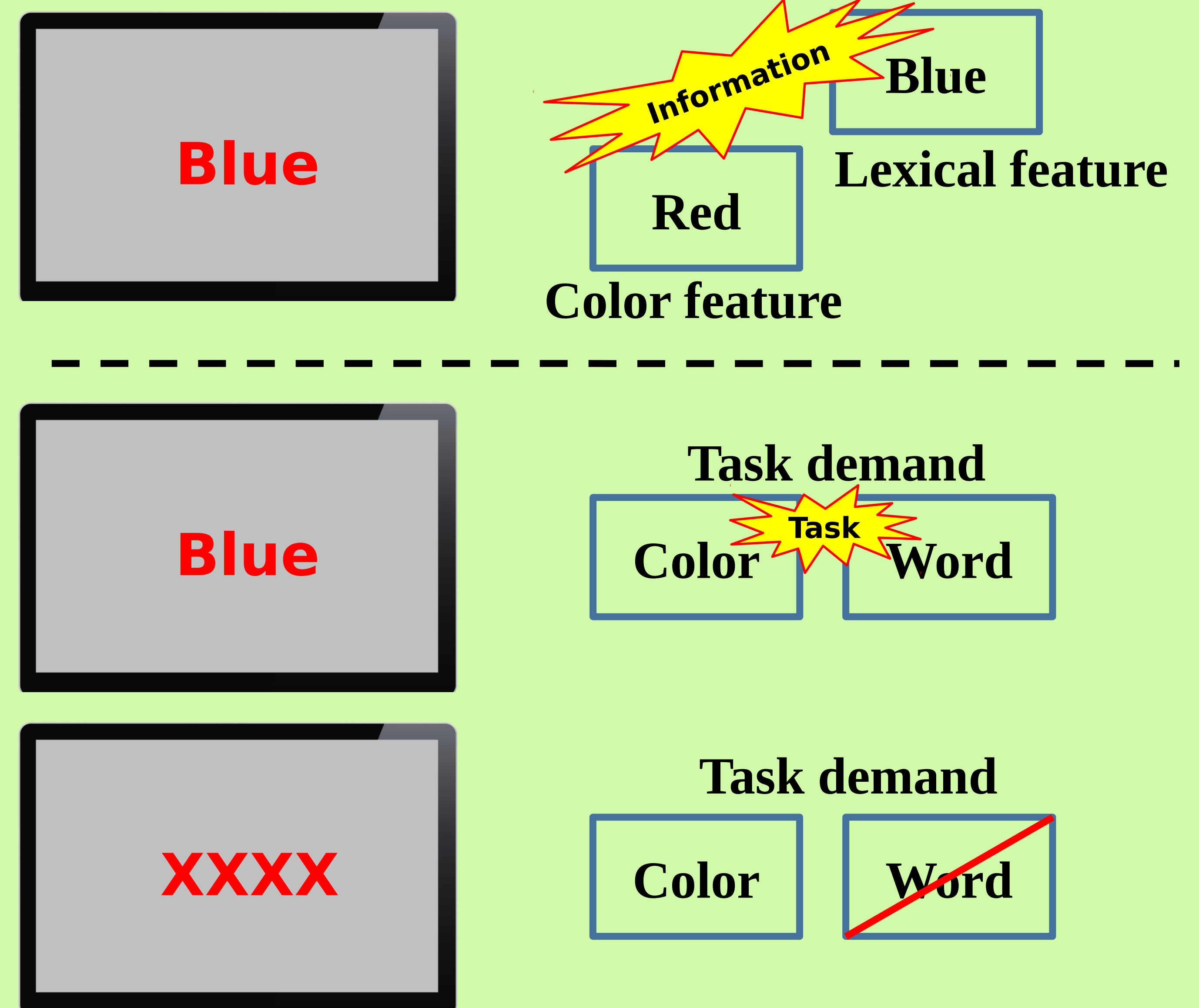
### Stroop task - RT studies



### Stroop task - neuroimaging studies

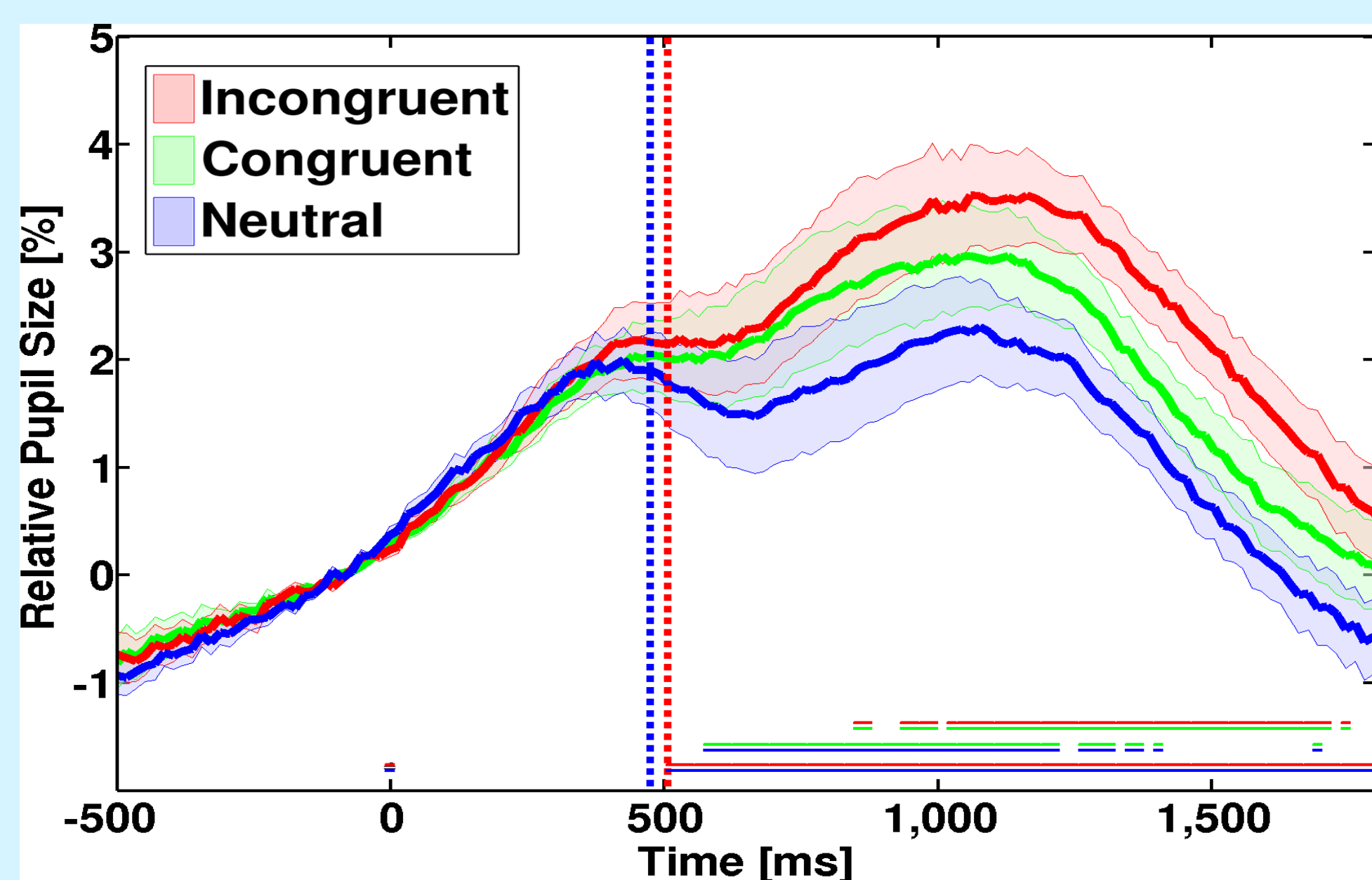
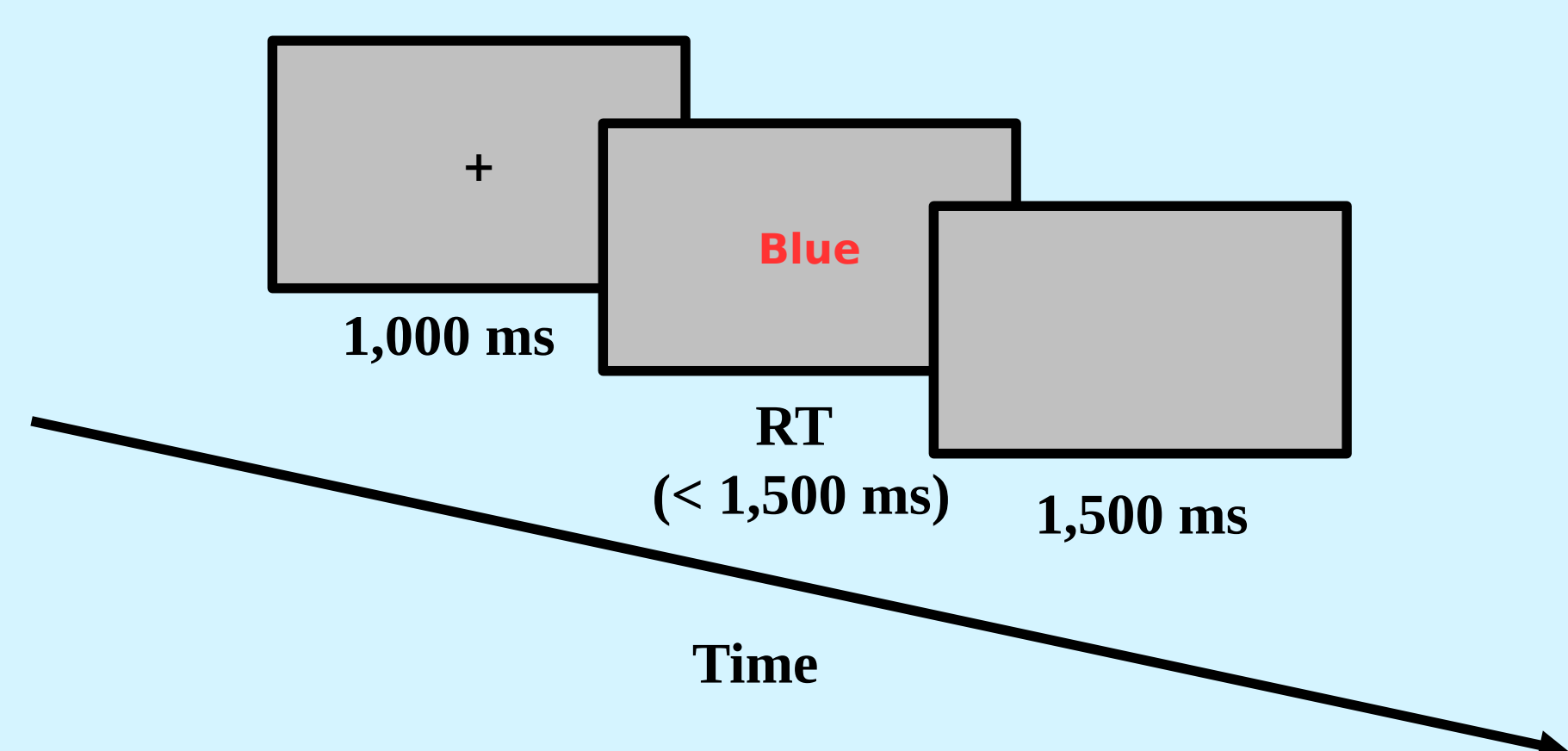


## Background – Stroop conflicts



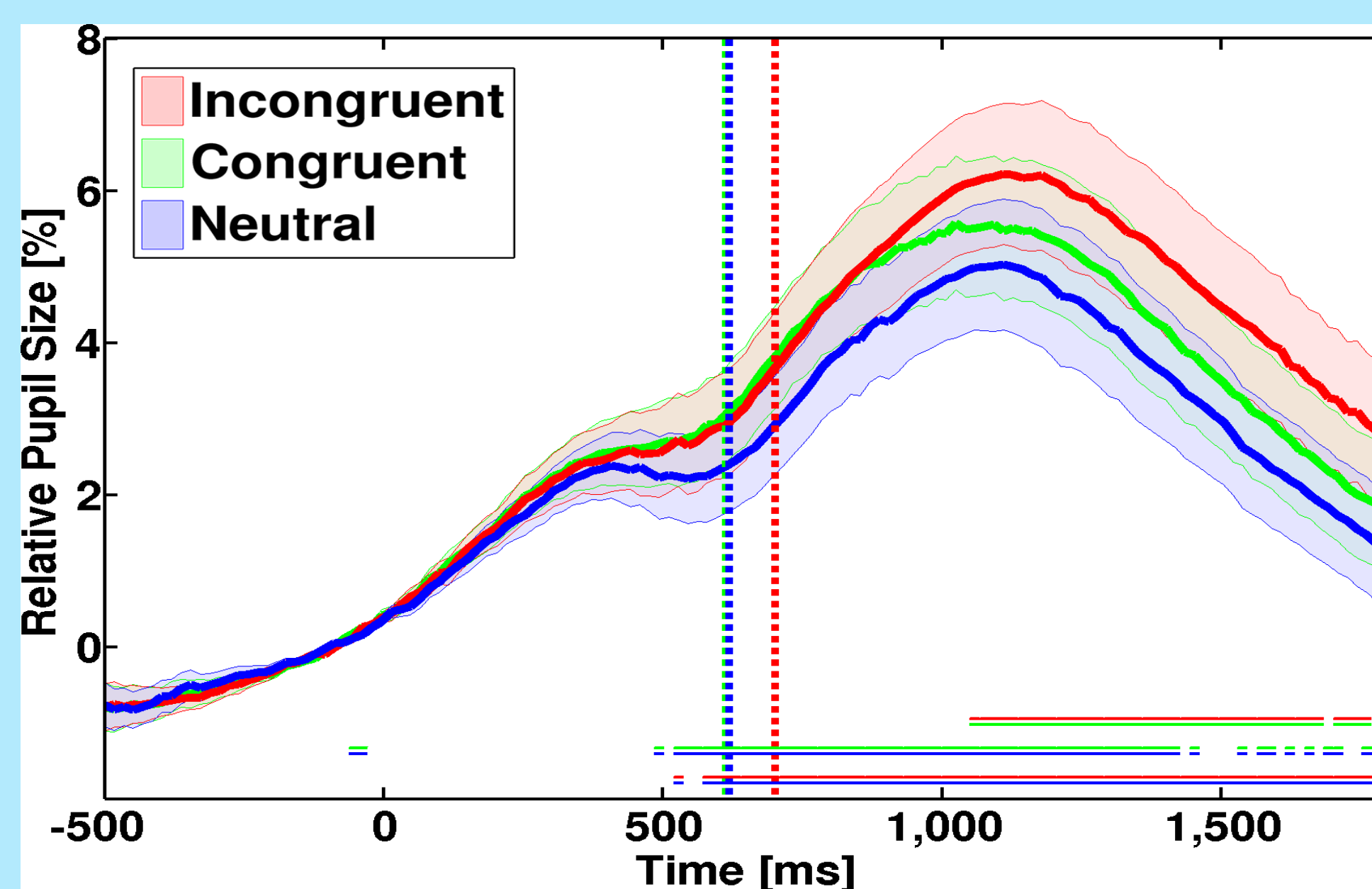
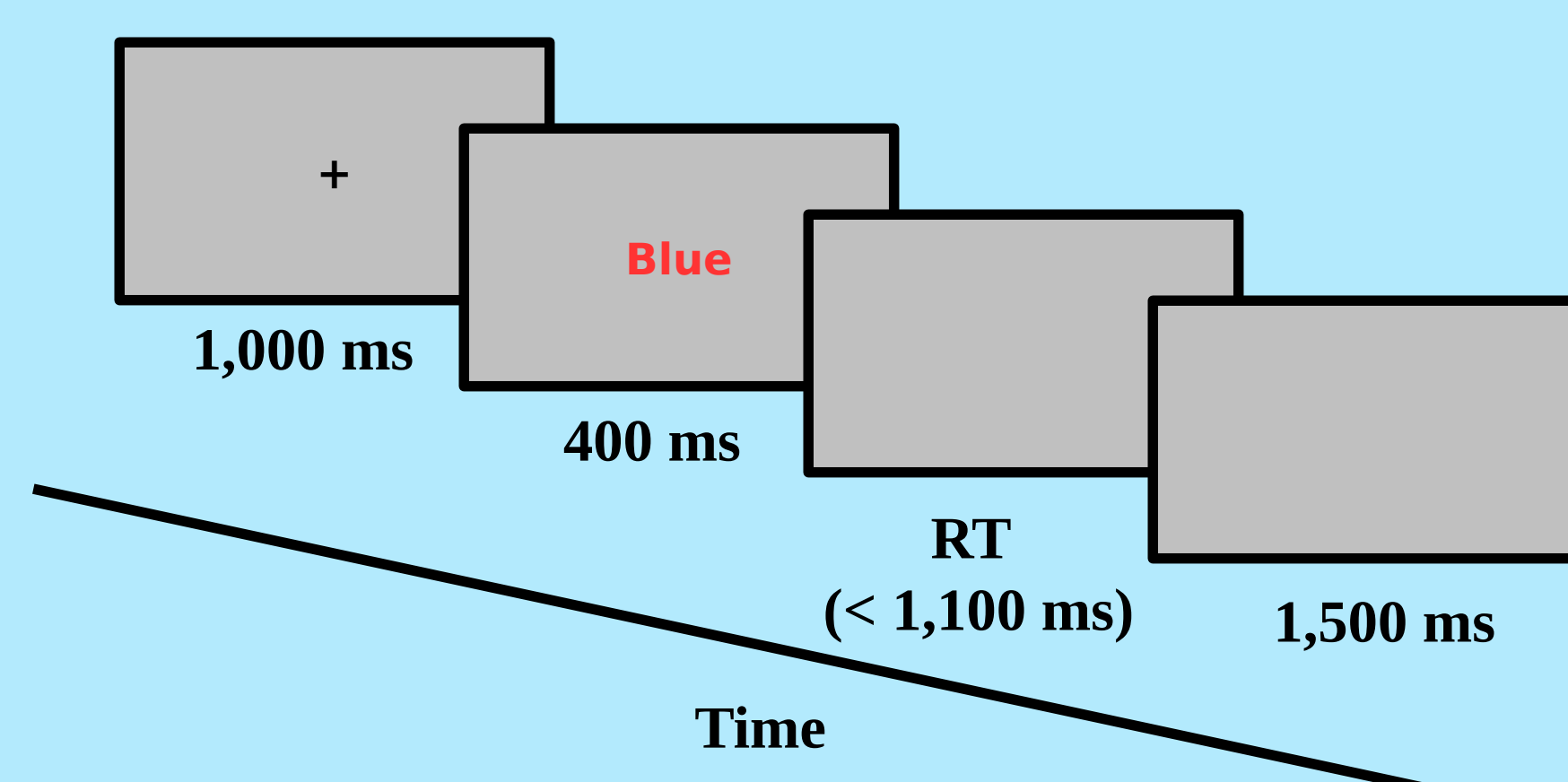
### Exp. 1

2 color words & neutral non-word



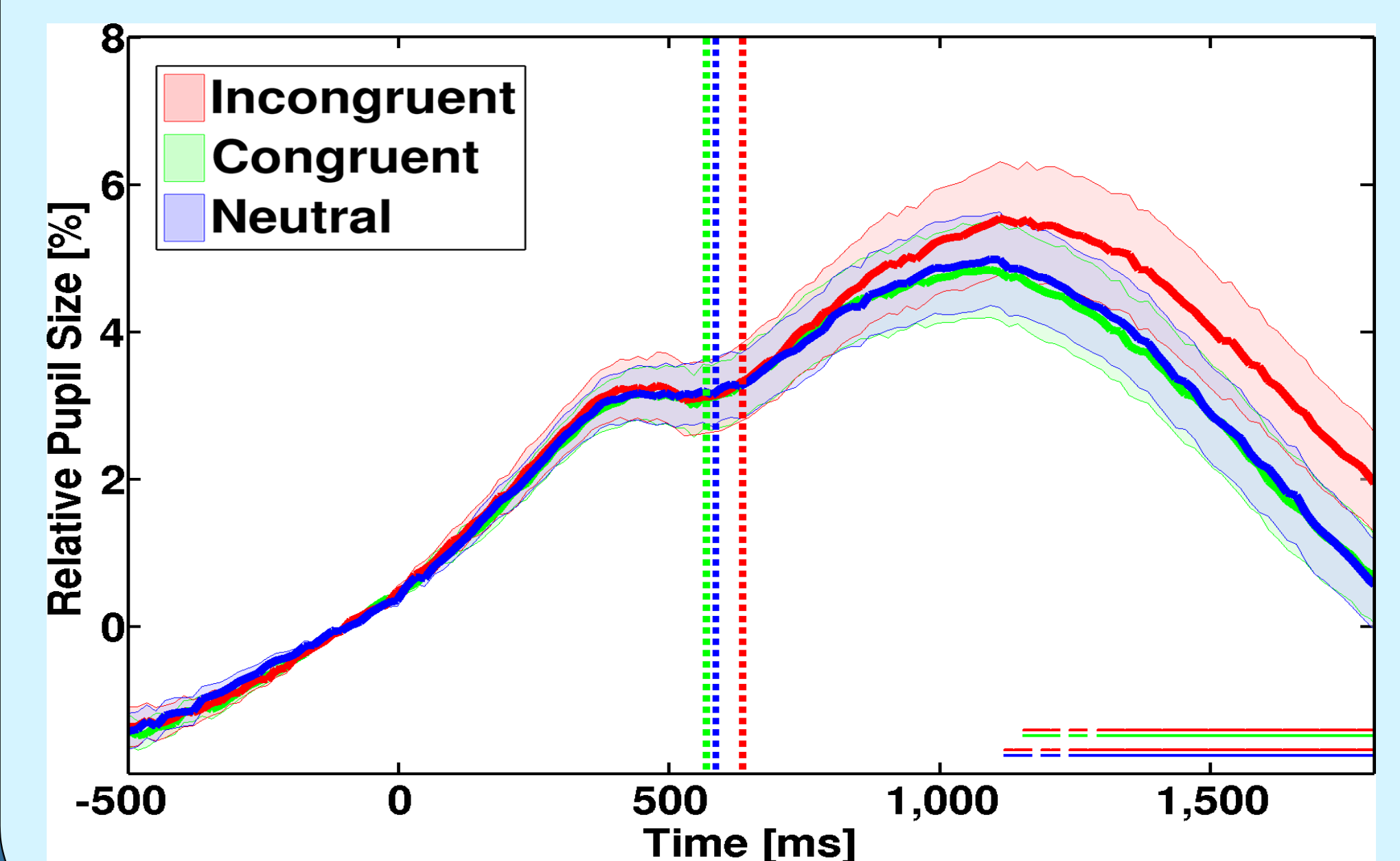
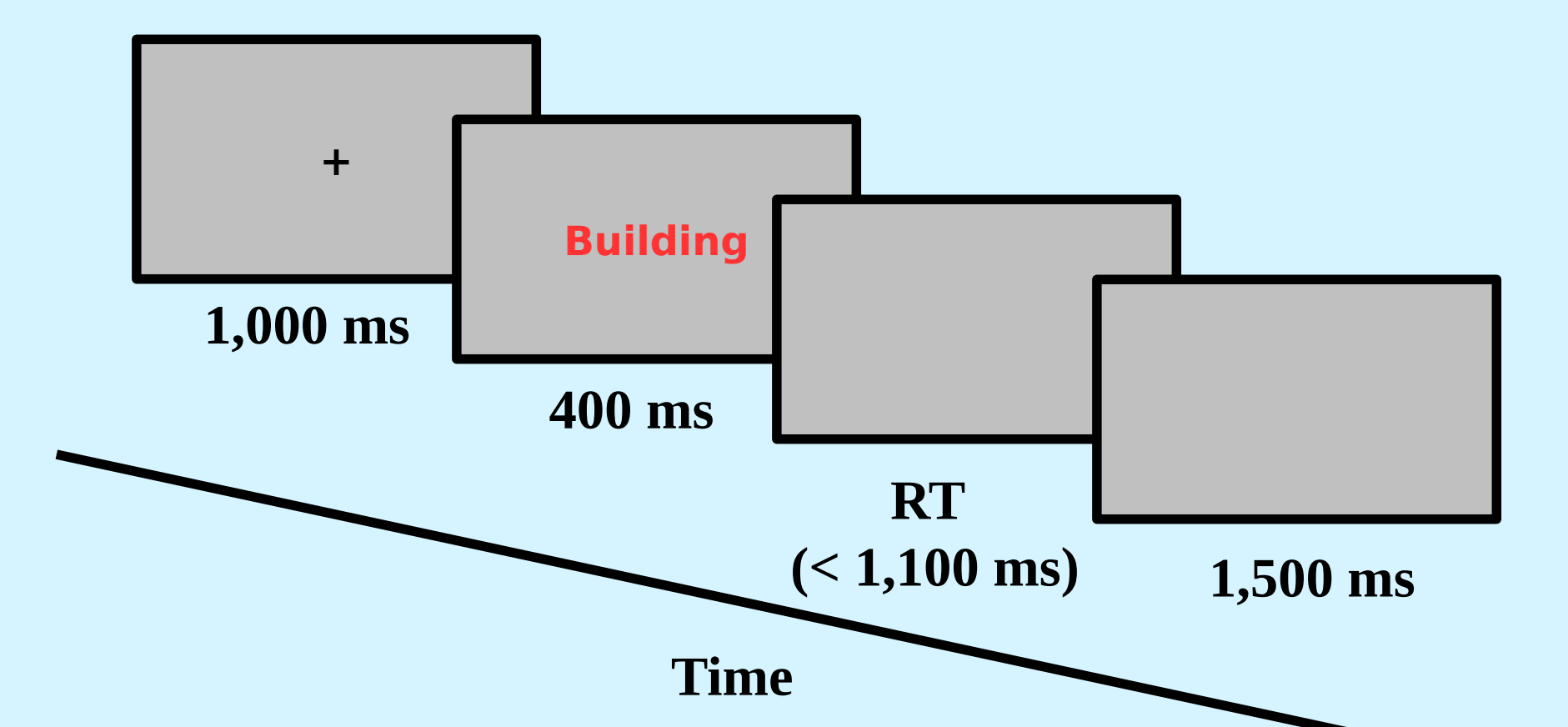
### Exp. 2

4 color words & neutral non-word (replication and extension)

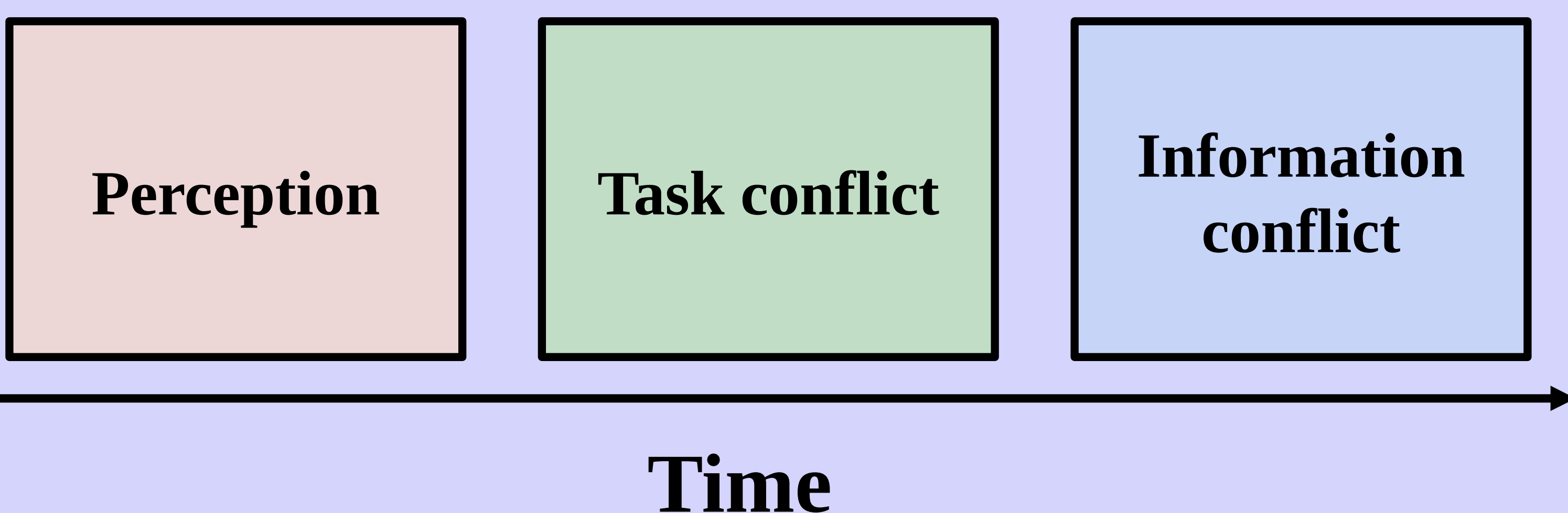


### Exp. 3

4 color words & neutral word (control)



## What does it mean?



## For more information

CHAP



Read it online



[ronenhe@post.bgu.ac.il](mailto:ronenhe@post.bgu.ac.il)