

DISSOCIABLE EFFECTS OF AGENCY AND OWNERSHIP ON SPEECH PERCEPTION

Margarida Marques¹, Maria Amorim¹, Sonja A. Kotz², & Ana P. Pinheiro¹

¹ Faculty of Psychology, University of Lisbon, Lisbon, Portugal

² Faculty of Psychology and Neuroscience, Maastricht University, Maastricht, Netherlands



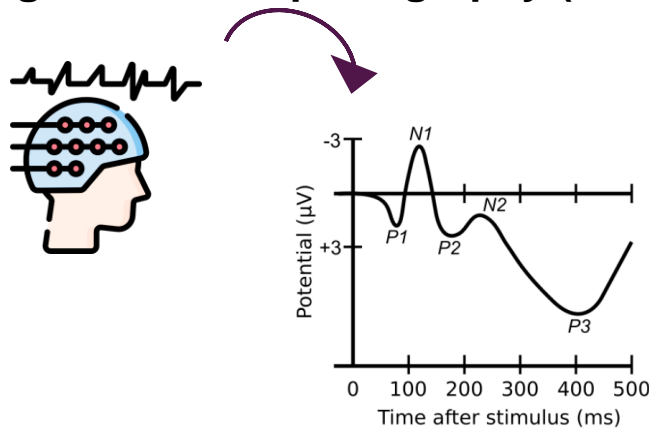
How do I recognize I am the one speaking?

Agency:
"I initiate and control speech"



Ownership:
"The voice belongs to me"

Using electroencephalography (EEG):



Temporal dissociation:

1st
Is this voice mine?



2nd
Was this utterance generated by me?



Implications for the improvement of Speech-Generating Assistive Devices

