

Clinical and Cognitive Neuroscience

GOAL of current study: To investigate how prosodic and lexical-semantic information is used to constrain sentence processing in neurologically unimpaired college-age adults.

 Restricted accounts of sentence processing are to where syntactic information takes precedence In <u>the garden-path account</u> listeners construction syntactic structure but will reanalyze if new in more complex structure 			
Our Constraint Output of Co			
\diamond Garden-path sentences contain temporary synta			
While the band played <u>the song</u> pleased all t			
 ♦ Role of <u>PROSODY</u>: ♦ Initially unclear whether <u>the song</u> is DO of place ♦ Can the addition of a pause after played disart temporary syntactic ambiguity? ♦ If so, suggests prosodic information may immagintax 			
♦ Role of THEMATIC FIT (Plausibility):			
While the band played <u>the beer</u> pleased all t			
Because <u>the beer</u> cannot be played it is an un is more likely to be the subject of an upcomir			
♦ Does PROSODY interact with THEMATIC FIT during processing?			
Sentence			
A. [While the band played] the song pleased all the customer			
3.*[While the band played] the beer pleased all the customer			

C. [While the band played the song] pleased all the customer

D.*[While the band played the beer] pleased all the custome

* [] indicates prosodic contour

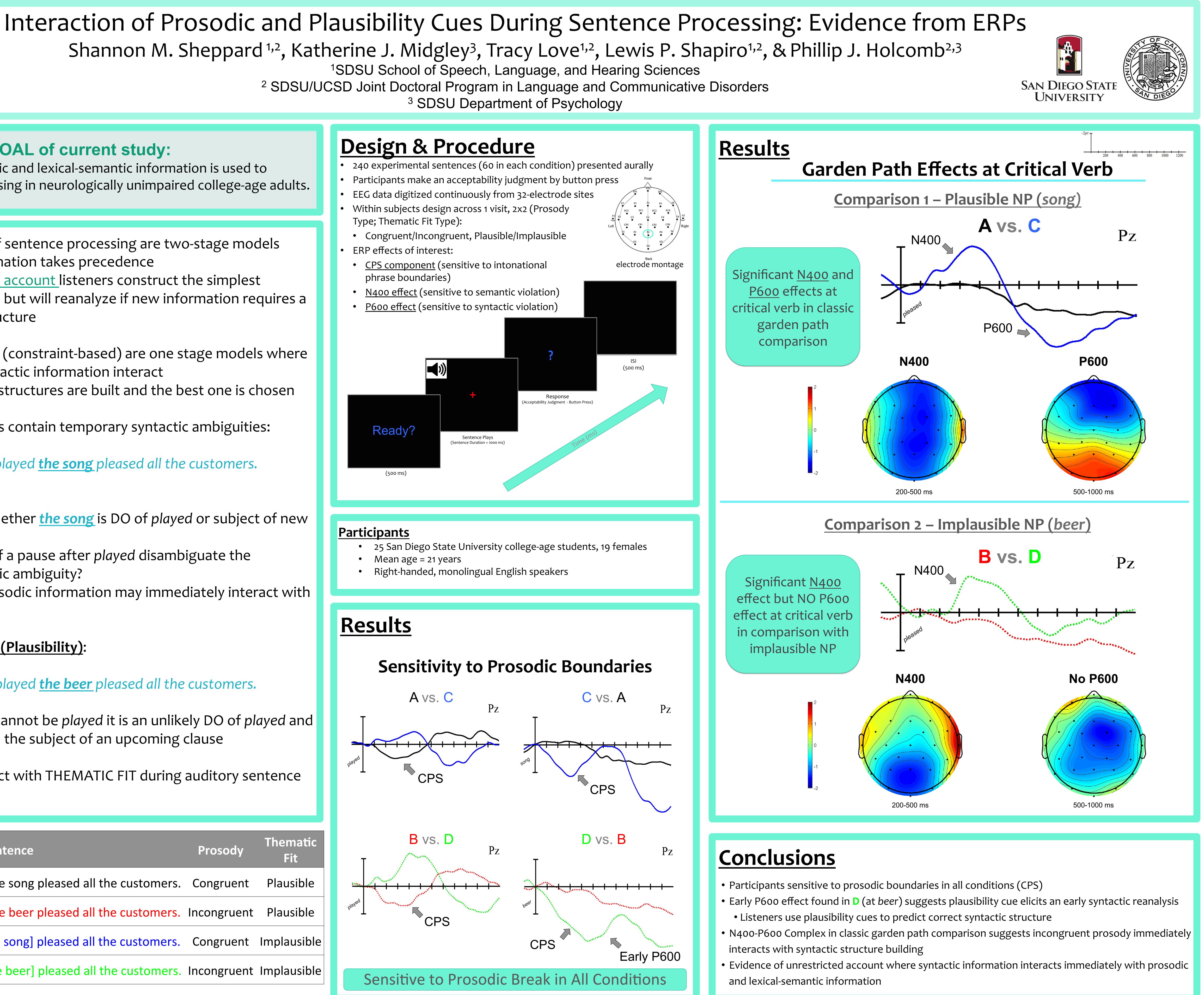
- two-stage models
- ct the simplest nformation requires a
- e stage models where
- e best one is chosen
- ctic ambiguities:
- the customers.
- ayed or subject of new
- mbiguate the
- nediately interact with

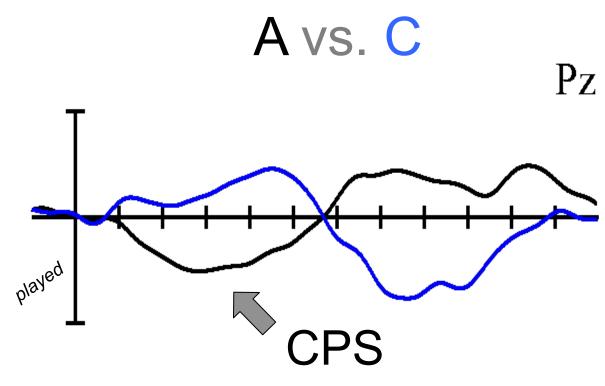
the customers.

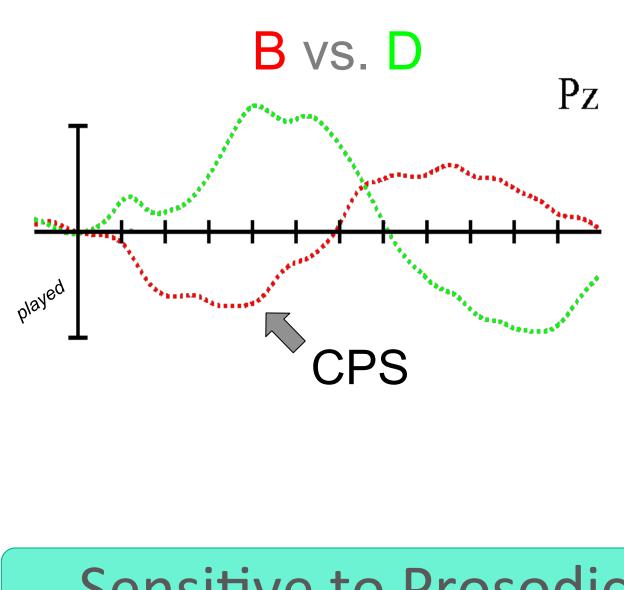
- likely DO of played and ng clause
- ng auditory sentence

	Prosody	Thematic Fit
ers.	Congruent	Plausible
ers.	Incongruent	Plausible
ers.	Congruent	Implausible
ers.	Incongruent	Implausible

- Type; Thematic Fit Type):
- phrase boundaries)







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